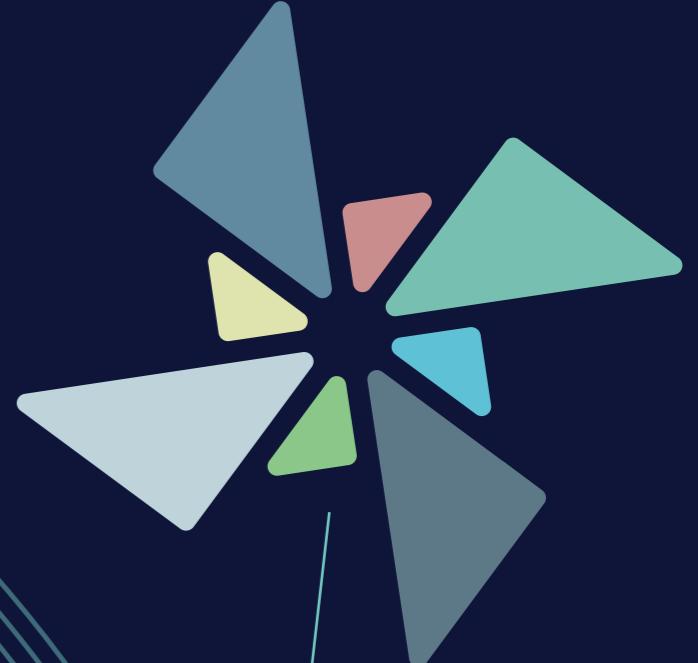


In harmony with nature,
across the world.



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tiryaki argo holding
sustainability report
2023-2024



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“
In harmony with nature,
across the world. ”

We see sustainability as an integral part of our business across the value chain, from seed to table.

Just like the four blades of a wind turbine, the four sustainability focus areas of our Holding: environmental sustainability, bioeconomy, efficiency improvement and social impact, create a cycle of shared value and represent the continuity of production and life.

For this reason, the wind turbine is not merely a symbol for Tiryaki Agro; it is a source of inspiration that represents the circularity of nature, constant renewal and sustainable strength. It stands as a reflection of Tiryaki Agro's global journey.

Like a wind turbine, we find our direction in harmony with nature's rhythm. In every geography and every climate, we act with care, respect and a commitment to adding value across every link of food security and nutrition solutions.

Because we know that true growth happens together with nature.

And on this journey, we remain committed to moving forward in harmony with nature all around the world.



About the Report

With over half a century of experience, we at Tiryaki Agro Holding regard sustainability not merely as an objective but as an essential component of our operations, executed through our integrated, multi-continental, and traceable business model in the agricultural supply chain. This report provides a comprehensive overview of Tiryaki Agro's performance in environmental, social, and governance (ESG) dimensions and outlines the strategic roadmap designed to enhance our positive impact.

As a network operating 29 facilities across 11 countries worldwide, we source products from 45 countries, export to 50 countries, and provide employment to a total of 2,300 people globally. From seeds to the final consumer, covering field production, manufacturing, storage, processing, logistics, and trade, we manage all processes in alignment with the principles of environmental stewardship, social inclusivity, and economic value creation.

Our sustainability strategy is structured around four primary focus areas: **Environmental Sustainability, Bioeconomy, Efficiency Improvement, and Social Impact.** This framework encompasses not only internal company operations but also the entire value chain, extending from our employees to stakeholders within our production ecosystem, and from our suppliers to our investors.

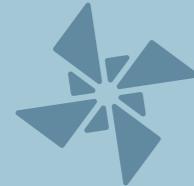
Our inaugural sustainability report, prepared in accordance with international frameworks including the United Nations Sustainable Development Goals (SDGs), the United Nations Global Compact (UNGCG), and the Global Reporting Initiative (GRI) Standards, for the fiscal year July 2023 – July 2024.

As Tiryaki Agro, we prioritize advancement not only in our commercial activities but also in our responsibilities toward the environment, society, and all our stakeholders throughout this journey.

The progress presented in this report results from collaborative partnerships built on trust. In alignment with our objective of contributing to a resilient, equitable, and sustainable system, we remain committed to producing and growing collectively.



*In harmony
with nature*
across the world



Messages from Management

- Message from the Chairperson of the Board
- Message from the CEO
- Message from the Sustainability Committee





Message from the Chairperson of the Board

Ahmet Tiryakioğlu
Chairperson of the Board



Dear stakeholders,

The fundamental principle guiding sustainable food production worldwide remains clear: without skilled labor, innovation, and collective responsibility, long-term food security cannot be achieved. Agriculture is more than production; it represents a collective responsibility toward future generations. At Tiryaki Agro Holding, we aim to operate in harmony with nature, recognizing that soil health, water quality, and responsible resource management are critical for both today and tomorrow.

Soil is humanity's common heritage, and water constitutes the source of life. Preserving these essential resources is central to our operations. While enhancing agricultural productivity, we implement practices that ensure efficient water use and minimize waste, safeguarding the rights of future generations.

As the global population grows, ensuring the future of food requires safe and sustainable production practices. Our investments focus on renewable agricultural methods, innovative solutions such as biofuels, efficient resource utilization, and regenerative approaches, all aligned with this sustainability-driven strategy.

For us, sustainability is a strategic responsibility that extends beyond business objectives. Respect for nature, recognition of labor, and the creation of lasting value for future generations are integral to our core values.

With the publication of our first sustainability report this year, we reaffirm our belief in achieving the goals we have set and in strengthening our long-term sustainability commitments.

Our ability to plan for and contribute to the future depends on deliberate actions taken today. Through innovation, responsible production practices, and strategic global partnerships, we strive to make a meaningful impact on the global food ecosystem. Our measure of success is the enduring value we create for the soil, people, and society.

We sincerely thank all employees and stakeholders who support this shared commitment. We are deeply grateful for your contributions to a prosperous and sustainable future.

Sincerely,



Message from the CEO

Süleyman Tiryakioğlu
CEO, Tiryaki Agro Holding

Dear Stakeholders,

As Tiryaki Agro Holding, our enduring objective is to deliver global nutrition solutions. We aim to shape the future of food in harmony with nature.

At Tiryaki Agro, approximately 5 million tons of conventional and organic agricultural products are delivered annually to millions of people across 50 countries. In doing so, the company acts not merely as a trading entity. It is a global community generating value for both nature and people at every stage of the supply chain, from soil to table.

For us, sustainability is more than a concept. It represents the core of our business. We promote regenerative agriculture to safeguard soil health. We invest in plant-based proteins and biochemical solutions that will shape the future food system. From advanced irrigation techniques to sustainable aviation fuel initiatives supporting the energy transition, every action we take serves a singular purpose. That purpose is to create a nature-positive, circular, and equitable food system.

Since we recognize that achieving harmony with nature requires a deep understanding of it. In nature, time is cyclical rather than linear. At Tiryaki Agro, we integrate this principle of cyclicity into our operations. We develop circular solutions across both the economy and agriculture.

Our 2030 vision is explicit. We aim to achieve leadership in the global agricultural supply chain by delivering solutions for a sustainable future. Through this vision, we aim not only to expand our company but also to promote production practices in harmony with nature on a global scale.

Our approach measures true success not only through quantitative metrics. It also delivers reliable food to people, acknowledges the contributions of farmers, and ensures a livable world for future generations.

We are deeply grateful to all colleagues, business partners, and stakeholders who have accompanied us on this journey.

Sincerely,





Message from the Sustainability Committee



Our sustainability path begins with responsible seed cultivation: planted in soil, nourished by water and sunlight. At Tiryaki Agro, we nurture the process of that seed not only within our own region but across the globe.

This pathway spans from the fertile fields of Tiryaki Anadolu to the markets of the Americas, from the feed centers of the Middle East to the producing villages of Africa, and from the ports of Europe to tables worldwide.

For us, this chain is not merely a route through which products are transported; it is a network where labor, knowledge, cultures, and responsibility converge. At Tiryaki Agro, we recognize that managing the agricultural supply chain also entails securing one of the world's most fundamental needs. This responsibility positions us not only as a participant in the industry but as a standard-setting actor for the years ahead.

The Sustainability Committee acts as our compass on this path. In 2024, as a committee established under the Tiryaki Agro Executive Board, we look beyond short-term gains and base our strategies on long-term benefits. While mitigating our environmental impacts, we enhance social value and strengthen our supply chain

resilience through innovative solutions. Our approach strives to carry forward the cycle that begins with a seed sprouting toward a vision that is in harmony with the environment and fully integrated with society.

Protecting the resources that the ecosystem provides is the first step of our endeavor. Through the regenerative agriculture practices implemented at our Muş Alparslan Agricultural Enterprise, we enhance soil health, increase productivity using crop rotation and nitrogen-fixing plants, and manage water resources more efficiently with digital irrigation systems.

At Tiryaki Agro, we enable the natural environment to thrive across all hectares while reducing carbon emissions and embrace the energy transition, powering our operations with clean energy through the solar systems installed at our Mersin and Gaziantep facilities.

Through our circular economy initiatives, we convert by-products from production into animal feed, fertilizer feedstock, or industrial inputs, ensuring that residues are transformed into new value.

For us, sustainability extends beyond environmental considerations. People are at the core of our value chain. Through the education provided at the Farmer Academy, we equip producers not only with advanced agricultural techniques but also with competencies in climate change adaptation, financial resilience, and resource management.

In collaboration with NATİV, we offer scholarships and mentoring support to young people, enabling them to establish the foundation for building their own success stories more robustly.





As the Tiryaki Agro Sustainability Committee, in advancing our supply chain toward the future, we are not only transporting products but also **upholding responsibility, trust, and a shared vision.**

At Tiryaki Agro, we implement targeted field programs to enhance the visibility of women in production networks and promote equality in practice by increasing local employment.

Our global presence enables us to learn from diverse geographies and create shared value. Our extensive experience in organic products in North America not only demonstrates our market strength but also reflects our commitment to fostering a healthy and reliable agricultural production model on a global scale. In the Middle East, our feed investments enhance the resilience of agricultural economies and contribute to regional food security.

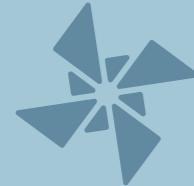
In Africa, the partnerships we establish with smallholder producers extend beyond bringing their products to global markets; they reinforce local development and sustainable production capacity. In Europe, the logistics infrastructure we develop allows us to transport not only products but also sustainability standards across continents.

As the Tiryaki Agro Sustainability Committee, in advancing our supply chain toward the future, we are not only transporting products but also upholding responsibility, trust, and a shared vision.

In the coming years, we plan to support a strong portion of our agricultural production with smart irrigation systems, expand regenerative agriculture practices across diverse regions, implement a carbon accounting infrastructure, and steadily progress toward our carbon-neutral target by 2040.

In the social domain, we will continue to broaden opportunities for young people and women, further strengthen ethical standards within our supply chain, and create lasting value collaboratively with our global stakeholders.

Our approach acknowledges that the transformation initiated today impacts the lives of millions across multiple geographies and positions Tiryaki Agro as a custodian of both responsibility and leadership within the global agricultural product supply chain.

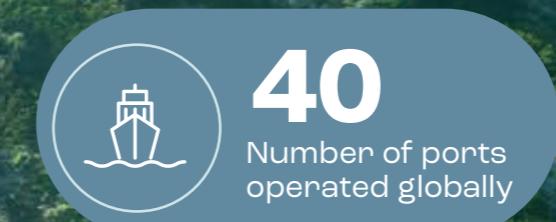
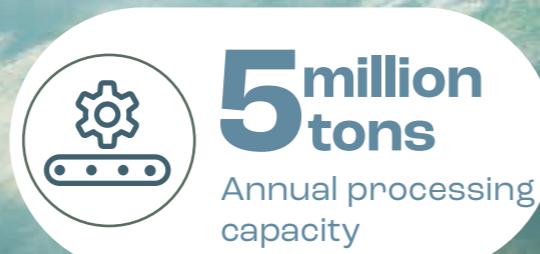


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- Sustainable Growth Roadmap
- Investment Plans and Strategic Transformation



Tiryaki Agro Group in Numbers



About Tiryaki Agro Holding

Since its establishment in 1965, Tiryaki Agro Holding, with its extensive heritage, is an integrated agricultural products supply chain management company operating on a global scale. At Tiryaki Agro, we maintain a comprehensive operational network covering 50 countries across five continents and operate at every stage of the value chain, from certified seed production to agricultural product cultivation, sourcing, processing, storage, logistics, sales, shipment, and distribution.

At Tiryaki Agro, operations are guided by the awareness of creating the future of food in harmony with nature, providing global nutrition solutions. Products sourced from 45 countries are processed **at 29 facilities across 11 locations on three continents, delivering 5 million tons of conventional and organic agricultural products to customers in 50 countries.** Operations extend to 40 ports worldwide, including one owned by the company and three under special agreements.

Sectoral growth is shaped in alignment with corporate governance, integrated operations, digital transformation, and sustainability principles. Along the value chain, from seed to table, the company advances with a model that contributes to local development and positions people at the center.

As a signatory of the United Nations Global Compact (UNGC), we commit internationally to uphold the ten universal principles, encompassing human rights, environmental sustainability, fair labor practices, and the fight against corruption.



A global player in supply chain management



Sourcing



Trade



Operations /
Processing



Head Office



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



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Product and Services





Environmental
Sustainability



Bioeconomy



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tiryaki Agro Holding

 **tiryaki anadolu**

 **tiryaki tahl**

 **tiryaki yem**

 **tiryaki nuts**

 **tiryaki tarim**

 **tiryaki tohum**

 **tiryaki lidas**

 **tiryaki SAF**

 **hasata**

 **tiryaki syria**

 **tiryaki e.m.**

 **tiryaki iraq**

 **tiryaki ghana**

 **tiryaki nigeria**

 **tiryaki venezuela**

 **tiryaki east africa**

 **tiryaki organics**

 **SUNRISE FOODS
INTERNATIONAL**

 **ozark**

 **qiresunport**

 **tiryaki strategic
services**

 **tiryaki maritime
transport**

 **tiryaki shipping agency**

 **tiryaki t-techs business
solutions**

 **tiryaki sustainable
solutions**

 **tiryaki kazakhstan**

 **tiryaki bioethanol**





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



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tiryaki Agro Holding





Environmental
Sustainability



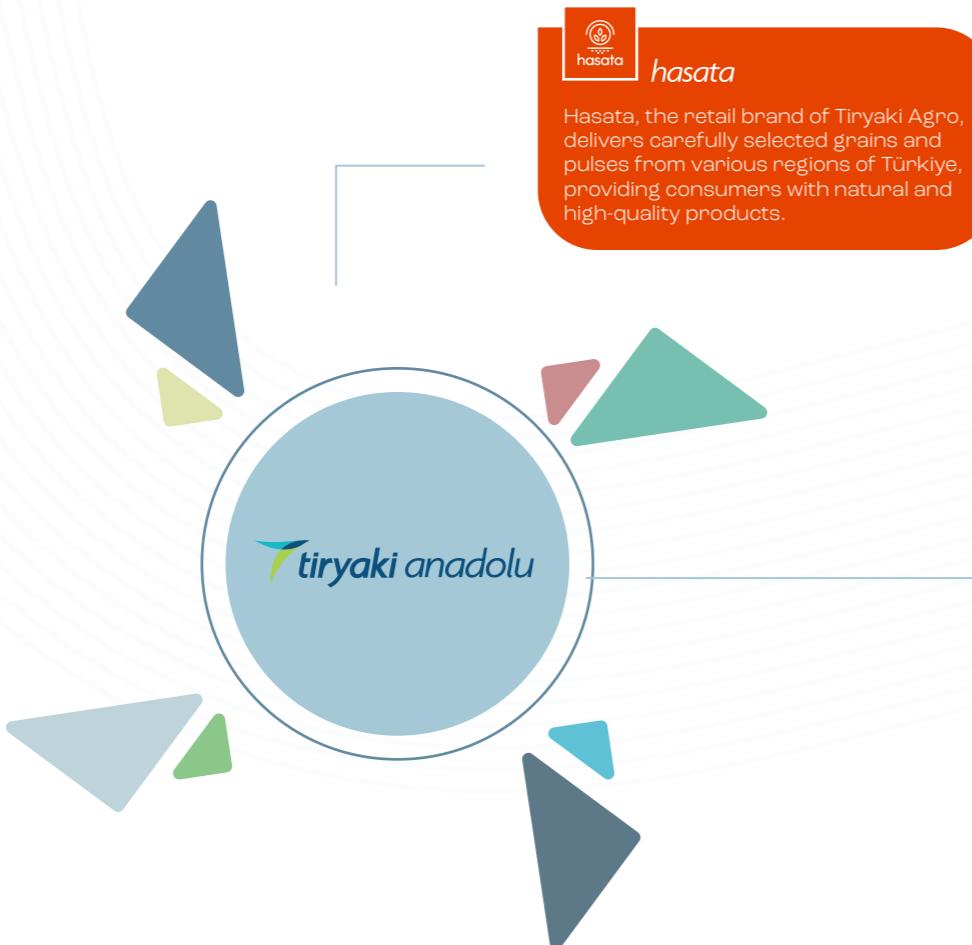
Bioeconomy



Efficiency
Improvement



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tiryaki Agro Holding

tiryaki tahil

Tiryaki Agro, we manage a global supply chain for grains and pulses, while offering retail food products under the Hasata brand.

tiryaki yem

Within Tiryaki Agro, we engage in the production and trade of animal feed, as well as in the field of feed additives, providing the livestock sector with reliable and efficient solutions.

tiryaki nuts

At Tiryaki Agro's Gaziantep facilities, Antep pistachios are processed and exported to Europe, the Americas, the Middle East, and Asia.

tiryaki lidaş

As part of Tiryaki Agro, Tiryaki Lidaş operates as Türkiye's first private licensed warehousing company, managing modern storage facilities with a capacity of 150,000 tons to ensure efficient, traceable, and quality-assured grain preservation.



Environmental
Sustainability



Bioeconomy



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tiryaki Agro Holding

tiryaki iraq

With a facility established in Umm Qasr valued at \$150 million, Tiryaki Iraq stands as the country's leading supplier of poultry feed, contributing to the development of Iraq's agricultural value chain.

tiryaki nigeria

Tiryaki Nigeria operates within the grain and oilseed supply chain across West Africa, strengthening the region's food systems through efficient sourcing and trade operations.

tiryaki venezuela

Through its production of edible oils and soybean processing activities, Tiryaki Venezuela contributes to the local food system by addressing domestic needs and supporting agricultural self-sufficiency.

tiryaki ghana

Tiryaki Ghana sources organic agricultural products and provides farmers with education on organic cultivation practices, supporting sustainable agriculture and local capacity building.

tiryaki east africa

Tiryaki East Africa leads grain sourcing operations in Eritrea and Ethiopia, while planning strategic investments at the Port of Djibouti to enhance regional trade infrastructure.



SUNRISE FOODS INTERNATIONAL

Sunrise Foods International is among the global leaders in the distribution of organic agricultural products, holding a 25% market share across North America.

tiryaki organics

ozark

Ozark Organics, one of the leading organic feed producers in the United States, joined Tiryaki Organics in 2024, strengthening the company's position in the North American organic feed market.

giresunport

Giresunport is the world's first port dedicated entirely to handling organic products and has a total storage capacity of 110,000 tons, supporting sustainable logistics and supply chain efficiency.





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tiryaki Agro Holding

tiryaki maritime transport

Tiryaki Maritime Transport conducts ship ownership, agency, and chartering operations with a fleet of four vessels, ensuring reliable and efficient maritime logistics across global trade routes.



tiryaki shipping agency

Tiryaki Shipping Agency provides container agency and insurance services, reinforcing supply chain reliability and operational assurance throughout the logistics network.

tiryaki t-tuchs business solutions

Tiryaki T-Tech Business Solutions supports digital transformation through Microsoft Dynamics 365 and artificial intelligence solutions, enhancing process efficiency.

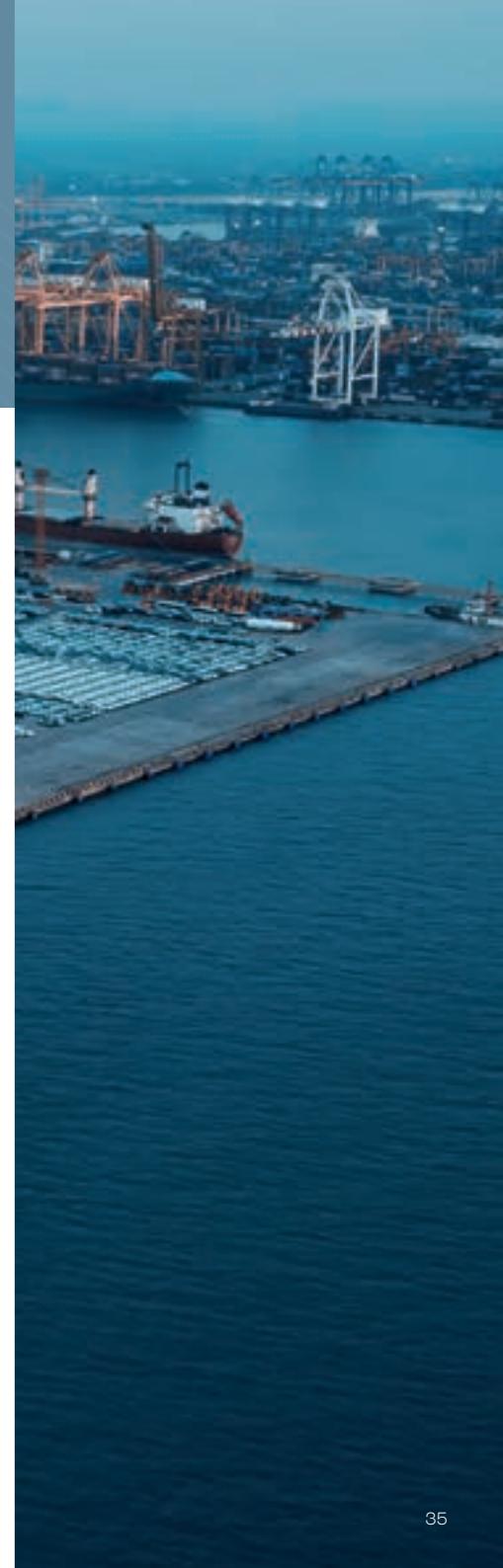
tiryaki kazakhstan

At its facility scheduled to become operational in 2027, Tiryaki Kazakhstan will process 250,000 tons of wheat annually, producing plant-based proteins and advancing bioeconomy solutions in the region.



tiryaki bioethanol

Tiryaki Bioethanol aims to become a growing player in the energy transition through ethanol production derived from agricultural resources, contributing to renewable energy and circular economy goals.





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Tiryaki Agro Profile and Areas of Activity

As Tiryaki Agro, we are a global player operating with the vision of generating holistic value across the agricultural products supply chain by providing end-to-end solutions. With more than 2,300 employees, we exist to deliver nutrition solutions worldwide and to shape the future of food in harmony with nature.

Our network operates in the food, animal nutrition, energy, agriculture, bioindustry, and maritime sectors, with a total trade volume of 5 million tons per year and a turnover of \$2.5 billion. With 830,000 hectares of agricultural land, our own ports and terminals in various parts of the world, our fleet of ships, silos, and warehouses with a total storage capacity of 1 million tons, and 29 facilities in Türkiye, Iraq, Nigeria, Venezuela, and the USA with an annual processing capacity totaling 5 million tons, we operate as an integrated organization.

We conduct our operations through five primary organizational structures: Tiryaki Anadolu, Tiryaki Emerging Markets, Tiryaki Organics, Tiryaki Strategic Services, and Tiryaki Sustainable Solutions.

We are one of the rare networks globally that operates across diverse geographies—primarily Türkiye, the Middle East, Africa, and North America—and can fully manage the food supply chain end-to-end. Our operations support food safety, resource efficiency, and climate-resilient production objectives as an integral part of our business model. Our approach treats agricultural products not merely as

commercial commodities but as valuable resources that satisfy traceability, social compliance, and sustainability criteria, offering our customers integrated solution partnerships, reliable logistics, and the advantage of a sustainable supply chain.

Our primary objective is to establish a productive, environmentally sustainable, and long-term value creation process for the benefit of humanity and nature. To achieve this objective, we make notable contributions to strengthening global food systems under the Tiryaki Emerging Markets umbrella. We conduct our activities within a dynamic work culture summarized by the motto, “first in, first to see, first to solve.”

As a leading grain supplier to East African countries, we add value to international food supply chains through strategic investments in regions such as Iraq, Nigeria, Venezuela, and Kazakhstan, supporting local agricultural economies and enhancing their export potential.





Tiryaki Agro Profile and Areas of Activity

At Tiryaki Agro, we drive impact across our business sectors through our innovation- and R&D-focused approach. As one of Türkiye's largest agricultural producers, we enhance efficiency in the production of certified seeds, grains, and legumes by employing advanced agricultural technologies, such as smart irrigation systems on our 6,000- hectare land in Muş, and by adopting regenerative agriculture practices. Through our retail brand Hasata, we deliver grains and legumes cultivated from seeds carefully selected from various regions of Türkiye to consumers. Our approach focuses on introducing food and feed brands to international markets. As a global player not only in conventional products but also in organic products, we manage a distinctive supply chain spanning the world.

We hold a 25% share in the North American organic food and feed market, positioning us as the clear market leader. Furthermore, we make concerted efforts to ensure that the pistachios processed at our Gaziantep facilities gain the global recognition they merit.

Our vision is to evolve into a bioeconomy enterprise, advancing our presence at the intersection of food, chemistry, and energy. At Tiryaki Agro, we prioritize renewable energy, initiate projects for Sustainable Aviation Fuel (SAF) and ethanol production, and plan strategic investments in plant-based protein production.

All these initiatives support our objective of becoming the "global agricultural supply chain leader that delivers solutions for a sustainable future" by 2030.

The company derives its strength from Research, Development, and Innovation, pursuing operational excellence and optimizing technology and efficiency through a strong emphasis on digitalization.

Within this framework, we structure all operational processes in alignment with Environmental, Social, and Governance (ESG) principles, embracing sustainability not merely as a business strategy but as the core essence of our operations.



Global agricultural supply chain leader that delivers solutions for a sustainable future.





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



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Tiryaki Agro's Vision and Values

Our Vision

“Be the first in, the first to see, the first to solve.”

Our Values

The entrepreneurial spirit and determination inherited from our founders continue to illuminate our path today. These values not only reflect our history but also constitute the foundation of how we conduct business, guiding us toward the future. For us, values are not abstract notions; they serve as our compass, shaping our decisions and actions on a daily basis.



Honesty

Integrity reinforces our commitment to transparency and reliability at every stage of our operations.



Kindness

We demonstrate respect and humility toward all our stakeholders in every aspect of our work.



Responsibility

We consistently act responsibly across all areas of our industry operations.



Innovation

We challenge boundaries to transform novel and distinctive ideas into reality.



Fairness

We believe that prosperity arises from equitable sharing and strive to act fairly in every endeavor.



Diligence

We believe that prosperity is achieved by working diligently and efficiently and working efficiently.



Loyalty

We prioritize cultivating trust-based relationships with our stakeholders.



Curiosity and Entrepreneurship

Guided by curiosity and an entrepreneurial spirit, we continuously develop our capabilities across all areas of engagement.

History and Development

■ 1965

Our founder, Ali Tiryakioğlu, started farming in Gaziantep.

■ 1980 – 1990

- With the establishment of our lentil processing facility, we transitioned to industrial-scale production.
- We subsequently developed a nationwide sales network and rapidly expanded our commercial operations.

■ 2000 – 2010

- At Tiryaki Agro, we enhanced our efficiency at every stage of the agricultural products value chain. Through this process, we achieved strong growth in international markets and commenced the trade of legumes in the Middle Eastern and European markets.
- In 2005, we established Lidya Nuts, an international nut supply chain management company, followed by Danem Gida in 2010.

■ 2011

- The international investment company Investcorp acquired 22.5% of our shares.
- Tiryaki Agro repurchased these shares in 2020, the year the transaction was finalized.

■ 2012

- The European Bank for Reconstruction and Development (EBRD) acquired 5.5% of our shares.
- Tiryaki Agro repurchased these shares in 2022, the year the transaction was concluded. We established Türkiye's first private licensed warehousing company, Tiryaki LiDAŞ.

■ 2013

As Tiryaki Agro, we have expanded into new markets in the Middle East, North Africa, and the Americas.

■ 2015

We focused on new product portfolios, primarily organic agricultural products.

■ 2017

We expanded our organic product range and established a new customer network for these products.

■ 2018

- Tiryaki Agro has incorporated Sunrise Foods International, an organic agricultural products distributor operating in Canada and the USA, into its operations.
- We have leased the Port of Giresun on a long-term basis.
- We have acquired TiGEM's Alparslan Agricultural Enterprise in Muş.



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Environmental
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Bioeconomy



Efficiency
Improvement



Social Impact





Environmental
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Improvement



Social Impact

History and Development

■ 2019 – 2020

- Qatar-based food and agricultural products investment company Hassad Foods acquired a 25% stake in Sunrise Foods International.
- We have strategically prioritized sustainability and growth in the African market.

■ 2021 – 2022

- We have extended our operations into West Africa and Sub-Saharan Africa.
- We have concentrated on projects that generate considerable value.

■ 2023

- We have consolidated our operations in Türkiye under the umbrella of Tiryaki Anadolu.
- We launched the consumer products brand Hasata in the market.

■ 2024

- We have commissioned our product processing facilities at Umm Qasr Port near Basra, Iraq.
- Our Tiryaki Agro subsidiary, Sunrise Foods International, has acquired Ozark Organics, a leading organic feed producer in the USA.
- We signed a memorandum of understanding with Tüpraş for the supply of Sustainable Aviation Fuel (SAF).
- We launched our regenerative agriculture pilot project at the Muş Facilities, covering 100 hectares.
- We promoted our Hasata brand, which has achieved the second position in the market with strong distribution across Türkiye, in the Chinese market.
- We entered the Chinese market with pistachios.
- We strengthened our position in the compound feed and feed additives sectors. While leading Türkiye with a 40% market share in feed additives, we expanded into new channels in Central Asia and the Middle East, primarily in Azerbaijan and Iraq.





Environmental
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Bioeconomy



Efficiency
Improvement



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Outstanding Achievements and Awards in the 2023-2024 Period

FORTUNE 500

Fortune 500

In the Fortune 500 Türkiye Survey, we are ranked 44th among Türkiye's largest companies.

Capital

Capital 500

The company is ranked 54th among Türkiye's largest companies in the Capital 500 list.

The Economist

The Largest 500 Companies of Anatolia

In the Largest 500 Companies of Anatolia survey, we are ranked 2nd overall and 1st in the food category.



Golden Leader Award

Süleyman Tiryakioğlu, CEO of Tinyaki Agro, was recognized with the Golden Leader Award at the 4th Golden Leader Awards, based on votes from business professionals, for being listed among Türkiye's 50 Most Admired CEOs of 2024.

Ghana Presidency Export Awards

Our company, Arasa, achieved remarkable success in exporting non-GMO soybeans of superior quality, receiving platinum, gold, and silver awards in multiple categories at the 2023 Ghana Presidency Export Awards.





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Tiryaki Agro Holding

Value Creation Model

Human Capital

Inputs	Outputs	Created Value	Relevant Stakeholders
<ul style="list-style-type: none"> Global Human Rights and Ethical Labor Practices Policy Full compliance with the United Nations Global Compact (UNGC), ILO Fundamental Labor Standards, and the UN Guiding Principles on Business and Human Rights A Zero Tolerance Policy including preventive systems against child labor, forced labor, discrimination, harassment, and bullying HR policies supporting gender equality, including the principle of equal pay for equal work Competency-based recruitment and performance evaluation systems Leadership, mentorship, and development programs (Future Leaders, leadership development programs) Digital Academy infrastructure and 100+ education modules ISO 45001-compliant Occupational Health and Safety management system T-Safe Search and Rescue Program and collaborations with AFAD Farmer support and education programs (technical education in agriculture and livestock, digital agriculture technologies) Social responsibility and community investment projects (scholarship programs, "One School, One Thousand Futures", collaborations with Koç University and Türk Kızılayı) 	<ul style="list-style-type: none"> Total of 4,072 person-hours of education in 2024 (excluding OHS) 30 young talents participated in the Future Leaders Program in 2024 Reaching 300+ managers through leadership development programs 2,204 hours of OHS education / 240 employees in 2024 Implementation of a model Occupational Health and Safety system at the Çorum Facility Active representation of women managers in strategic areas through women's leadership programs Technical education, financial literacy, and market access support for rural women farmers Social compliance audits of suppliers and corrective action processes Certified training of the T-Safe Search and Rescue team Utilization of modern equipment, sensor-based monitoring, and smart irrigation systems in farmer education programs Digital performance monitoring and cost optimization education in livestock management 	<ul style="list-style-type: none"> Embedding ethical and inclusive principles in employee development across all geographies Enhancement of diversity and inclusion, and empowerment of women in leadership positions Strengthening employee engagement, satisfaction, and organizational belonging Progressing toward the zero-accident target through a safe and healthy work environment Increasing education, employment, and economic empowerment opportunities in local communities Enhancing the visibility and economic contribution of women's labor in rural development Improving farmers' productivity and promoting the adoption of sustainable production techniques Embedding social responsibility awareness throughout the supply chain Developing societal solidarity and disaster preparedness capacity 	<ul style="list-style-type: none"> All Tiryaki Holding employees (white-collar and blue-collar) Women employees and women farmers Young talents, including participants in the Future Leaders Program Employees in leadership and management positions Suppliers and contracted farmers Local communities and rural producers Educational institutions, universities, Koç University, Türk Kızılayı AFAD and non-governmental organizations (Darüşşafaka, Mor Çatı, TEMA, Kifder) International organizations (UNGC, ILO, UN Guiding Principles on Business and Human Rights) Farmer cooperatives and agricultural associations





Social Capital

Inputs	Outputs	Created Value	Relevant Stakeholders
<ul style="list-style-type: none"> Promoting a culture of fairness, equality, and respect for human rights work culture across all geographies Enhancement of diversity and inclusion, empowering women in leadership positions Strengthening employee engagement, satisfaction, and organizational commitment Progressing toward a zero-accident goal through a safe and healthy working environment Increasing educational, employment, and economic empowerment opportunities in local communities Enhancing visibility and economic contribution of women's labor in rural development Improving productivity among farmers and disseminating sustainable production techniques Embedding social responsibility awareness within the supply chain Developing community resilience and disaster preparedness capacity Systematic feedback mechanisms with farmers, suppliers, customers, employees, NGOs, and public institutions Regular customer satisfaction surveys (83% satisfaction rate) Global traceability systems and digital data management Social compliance and ethical audit mechanisms for suppliers Sustainable supply chain management and capacity-building focused on local producers Stringent control and transparent monitoring systems in organic product lines International compliance (ISO 22000, HACCP, BRC, SEDEX, BSCI, RTRS) Responsible production models implemented in the field (e.g., Çorum Facility) Commitment to food safety, quality control, traceability, and ethical standards Environmental Sustainability Strategy (energy efficiency, water management, waste management, biodiversity, climate-friendly production) ISO 14001 Environmental Management System, ISO 50001 Energy Management System, ISO 22000 Food Safety Management System, HACCP, BRC Decarbonization targets (Net Zero 2040, phase-out of coal/natural gas by 2035, 50% biomass substitution of fossil fuels by 2030) Solar and wind energy investments (51.7 MW PV and 4 MW wind capacity by 2027; existing 20.6 MWdc installed capacity) Energy efficiency action plan (in collaboration with Siemens AG, 2023–2027) Regenerative agriculture practices (Muş Alparslan Agricultural Enterprise, scaling from 100 to 6,000 hectares) Organic farming and chemical input reduction policies Smart agriculture technologies and digitalization investments (satellite/drone monitoring, AI-assisted irrigation, IoT sensors) Sustainable water management systems (6,500 hectares of smart irrigation area, 1,300 hectares of drip irrigation infrastructure) Biodiversity conservation programs (cover crops, crop rotation, organic fertilizers, zero plant-waste approach) Circular economy and waste management practices (reuse of agricultural by-products, SAF feedstock production, Zero Waste Certificate) 	<ul style="list-style-type: none"> Institutionalization of a transparent, participatory, and inclusive approach in stakeholder management Sustainability, Good Agricultural Practices, and social compliance education for suppliers Production processes fully compliant with international standards in food safety Lot-based traceability and digital audit systems across supply geographies Implementation of environmental, social, and ethical assessment processes for all suppliers Segregated processes and documented reliability in organic production lines Execution of corrective action plans to mitigate supplier-related risks High-precision analyses in food safety and customer-focused quality management Social audits in high-risk regions to prevent child labor and forced labor Transparent management of agricultural product shipments with quality certificates, lot numbers, and analysis reports Total Scope-1 emissions in 2024: 76,721 tCO2e; Scope-2 emissions: 23,541,738 tCO2e Avoidance of 17,450 tCO2e/year avoided existing solar PV investments Targeting 100% renewable electricity by the end of 2025 and self-sufficiency in electricity generation by 2026 Implementation of biomass and green ammonia conversion plans for fossil fuel phase-out 30% water savings and up to 70% yield increase through regenerative agriculture Development and national distribution of seven registered wheat and three registered barley varieties Up to 90% reduction in chemical usage at the Muş Alparslan Project through AI-supported spraying Annual water savings at million-ton levels with 6,500 hectares of smart irrigation systems. Segregated production and lot-based traceability in organic product lines "Zero Waste Certificate" and certified waste management system at the Çorum Facility Reuse of agricultural by-products in feed production and SAF feedstock production from plant and animal waste Disposal of hazardous waste in compliance with legal regulations and source-segregation systems across all facilities Transfer of digital agriculture technologies to farmers and technology-based capacity enhancement in rural development 	<ul style="list-style-type: none"> Trust-based, sustainable stakeholder relationships across all stages of the value chain Sustainable improvement in customer satisfaction with an 83% success rate Strengthening social responsibility awareness among suppliers and enhancing production conditions Supporting the economic, social, and environmental development of local producers Increasing quality assurance in agricultural production through efficiency and traceability Differentiating practice model in the sector for food safety, ethical production, and traceability Reinforcing a reliable brand position in global markets through responsible production Consolidating corporate trust focused on human rights, environment, and quality through risk management Enhancing operational transparency with digital feedback and monitoring systems 	<ul style="list-style-type: none"> Local and international customers Contracted farmers and agricultural producers Suppliers and logistics partners Local communities and NGOs in production regions Quality, occupational health & safety, and audit teams International platforms (BSCI, SEDEX, RTRS) Public institutions and regulatory authorities Food safety inspection firms and certification bodies Stakeholders in the organic and conventional product supply chains Customer representatives and marketing teams



Environmental
Sustainability



Bioeconomy



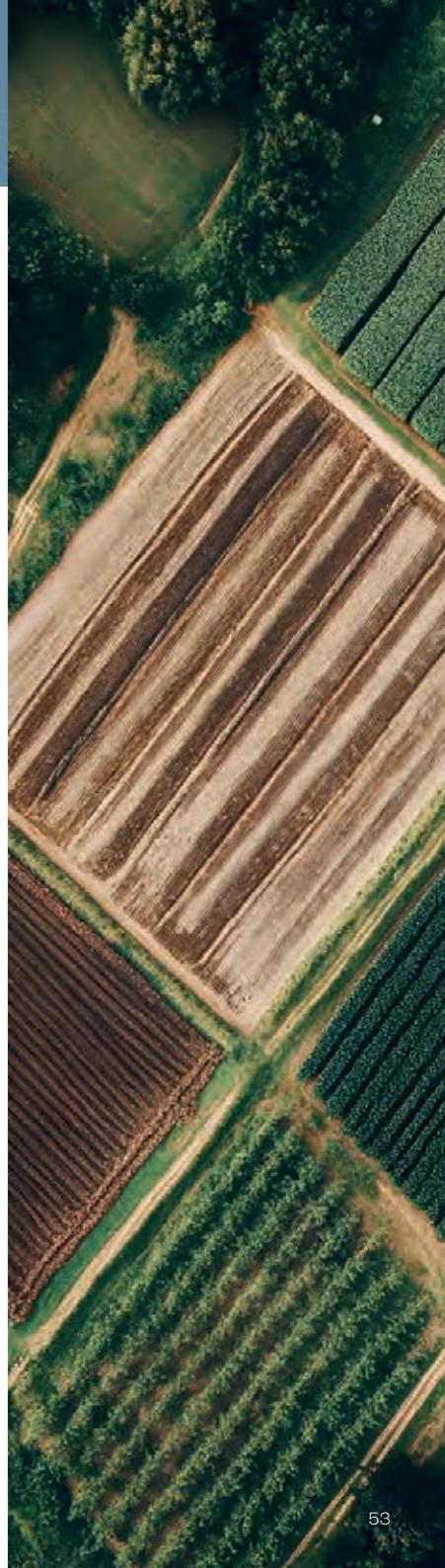
Efficiency
Improvement



Social Impact

Natural Capital

Inputs	Outputs	Created Value	Relevant Stakeholders
<ul style="list-style-type: none"> - Environmental Sustainability Strategy (energy efficiency, water management, waste management, biodiversity, climate-friendly production) - ISO 14001 Environmental Management System, ISO 50001 Energy Management System, ISO 22000 Food Safety Management System, HACCP, BRC - Decarbonization targets (Net Zero 2040, phase-out of coal/natural gas by 2035, 50% biomass substitution of fossil fuels by 2030) - Solar and wind energy investments (51.7 MW PV and 4 MW wind capacity by 2027; existing 20.6 MWdc installed capacity) - Energy efficiency action plan (in collaboration with Siemens AG, 2023–2027) - Regenerative agriculture practices (Muş Alparslan Agricultural Enterprise, scaling from 100 to 6,000 hectares) - Organic farming and chemical input reduction policies - Smart agriculture technologies and digitalization investments (satellite/drone monitoring, AI-assisted irrigation, IoT sensors) - Sustainable water management systems (6,500 hectares of smart irrigation area, 1,300 hectares of drip irrigation) - Biodiversity conservation programs (cover crops, crop rotation, organic fertilizers, zero plant-waste approach) - Circular economy and waste management practices (reuse of agricultural by-products, SAF feedstock production, Zero Waste Certification) 	<ul style="list-style-type: none"> - Total Scope-1 emissions in 2024: 76,721 tCO₂e; Scope-2 emissions: 23,541,738 tCO₂e - 17,450 tCO₂e annually through existing solar PV investments - Targeting 100% renewable electricity by the end of 2025 and self-sufficiency in electricity generation by 2026 - Implementation of biomass and green ammonia conversion plans for fossil fuel phase-out - 30% water savings and up to 70% yield increase through regenerative agriculture - Development and national distribution of seven registered wheat and three registered barley varieties - Up to 90% reduction in chemical usage at the Muş Alparslan Project through AI-supported spraying - Annual water savings at million-ton levels with 6,500 hectares of smart irrigation systems - Segregated production and lot-based traceability in organic product lines - Zero Waste Certification* and certified waste management system at the Çorum Facility - Reuse of agricultural by-products in feed production and SAF feedstock production from plant and animal waste - Disposal of hazardous waste in compliance with legal regulations and source-segregation systems across all facilities - Transfer of digital agriculture technologies to farmers and technology-based capacity enhancement in rural development 	<ul style="list-style-type: none"> - Low-carbon production and climate-friendly business model in the agricultural sector - Reduction of carbon emissions and tangible progress toward the 2040 Net Zero target - Enhancing operational resilience through energy efficiency and the use of renewable energy - Conservation of water resources and implementation of a climate-resilient production model - Strengthening soil health, preserving biodiversity, and supporting ecosystem balance - Integrating environmental, economic, and social sustainability through regenerative agriculture - Promoting rural development and improving farmer welfare - Increasing resource efficiency and converting waste into economic value through circular economy practices - Ensuring traceability, transparency, and compliance with international food safety standards in agricultural production - Strengthening sector leadership in sustainable agriculture and environmental management 	<ul style="list-style-type: none"> - Farmers, producer cooperatives, and agricultural associations - Local communities and rural regions - Suppliers, logistics partners, and business associates - Energy investors and technology providers - Public institutions and local authorities - Environmental and energy regulatory bodies - Universities, research institutes, and R&D centers - International certification organizations (ISO, HACCP, BRC, RTRS, etc.) - Non-governmental organizations (TEMA, environmental associations, development agencies) - Consulting firms specializing in environmental and climate matters





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Produced Capital

Inputs	Outputs	Created Value	Relevant Stakeholders
<ul style="list-style-type: none"> Global-scale agricultural processing, storage, and logistics infrastructure (27 facilities across 10 locations on 3 continents) Organic and conventional product lines, segregated production areas, and lot-based traceability systems High-capacity digital packaging systems, licensed warehouses, and advanced agricultural technologies International quality and food safety standards, including ISO 22000, HACCP, and BRC Smart agriculture technologies and digitalization infrastructure (satellite/drone monitoring, IoT sensors, AI-assisted irrigation) One of Türkiye's largest regenerative agriculture practices at Muş Alparslan Agricultural Enterprise with 1,300-hectare drip irrigation infrastructure Agricultural Enterprise with 1,300-hectare drip irrigation infrastructure. Production of high value-added products such as starch, glucose, fructose, and gluten from agricultural feedstock through deep processing facilities Bioeconomy investments (plant protein extraction, SAF feedstock production, circular economy practices) SAF feedstock supply infrastructure through Tiryaki Sürdürülebilir Havacılık Yakıtları Tedarik ve Üretim A.Ş. (Tiryaki SAF) \$100 million investment plan for SAF production in collaboration with TÜPRAŞ Wheat project within the production infrastructure in Türkiye and Kazakhstan Sustainable logistics and low-emission transportation solutions 	<ul style="list-style-type: none"> Processing over 4 million tons of conventional and organic agricultural products annually across 27 facilities 100% traceable and certified production processes in organic production lines Reduction of 17,450 tons CO₂e/year emissions (through planned solar power investments) Potential for up to 80% carbon reduction in the aviation sector through SAF feedstock production Implementation of Türkiye's largest private-sector supported regenerative agriculture project (expansion from 100 hectares to 6,000 hectares) Smart irrigation systems covering 6,500 hectares, achieving water savings at the million-ton annual scale Development and national distribution of 7 registered wheat varieties and 3 registered barley varieties Reduction of waste and improvement of production efficiency through deep processing technologies Up to 90% lower carbon footprint in plant-based protein production compared to animal protein Registered waste management system with "Zero Waste Certification" at the Çorum Facility Integration of innovative and low-emission production technologies across all production sites Creation of high value-added new product segments through plant protein, organic agriculture, and SAF production 	<ul style="list-style-type: none"> High standards in food safety and a reliable brand position in global markets Increased added value in agricultural production through vertical integration Reduction of fossil fuel dependency and expansion of renewable energy usage Minimization of environmental impact and optimization of resource efficiency in agricultural systems through plant-based protein production Contribution to climate-friendly transformation in the aviation sector through SAF production Conversion of waste into economic value via deep processing and bioeconomy investments Enhancement of productivity and income levels of local farmers through modern agricultural techniques Efficient resource utilization and strengthened production traceability through smart agriculture technologies Continuity in resource use and cost optimization via circular economy practices Environmentally aligned production infrastructure providing long-term competitive advantage 	<ul style="list-style-type: none"> Farmers, producer cooperatives, and agricultural associations Local communities and residents in production regions Suppliers, logistics partners, and business collaborators Energy and technology investors Universities, research institutes, and R&D centers Aviation sector stakeholders (TÜPRAŞ, ICAO-compliant companies) International quality and food safety certification organizations Non-governmental organizations and environmental associations Public institutions and regulatory authorities





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Intellectual Capital

Inputs	Outputs	Created Value	Relevant Stakeholders
<ul style="list-style-type: none"> - Research and innovation-driven business model across all stages of the value chain in line with the 2030 vision - Field-level R&D infrastructure (Muş Alparslan Agricultural Enterprise, satellite-based monitoring, sensor-assisted fertilization, crop rotation, cover crops) - Breeding programs conducted within Yıldız Bitkisel Ürünler and capacity for developing registered wheat and barley varieties - Reduction of variety development timelines from 12 years to 2 years using classical and rapid mutation techniques - Advanced processing technologies at Çorum and Giresun facilities (plant protein, cellulose separation, oil refining) - SAP S/4HANA-based ERP transformation (700+ users) - Agricultural and production management systems based on IoT, artificial intelligence, and data analytics - Digital farmer engagement platforms and Basra MES production line integration - Sustainable Aviation Fuel (SAF) feedstock supply chain in collaboration with TÜPRAŞ - National and international certifications (FSSC 22000, ISO 9001, ISO 45001, GMP+, ISO 14001, STAR-K Kosher, Organic Farming Certificates, BRC Food Safety, ISO 50001, ISO 27001, Zero Waste Certification, Environmental Permit Certificate, etc.) 	<ul style="list-style-type: none"> - Development of 7 registered wheat and 3 registered barley varieties - Monitoring and scaling of regenerative agriculture techniques using scientific data (target expansion to 6,000 hectares) - Development of drought-tolerant, disease-resistant, and high-yield seed varieties - Production systems compliant with high-precision quality criteria, such as living organism tolerance - Integrated supply chain management with digitalization and real-time data tracking - Establishment of a sustainable feedstock chain for SAF feedstock procurement - Development of waste evaluation and reuse solutions in accordance with the Zero Waste principle - Implementation of R&D and innovation activities across all processes, from field to factory - Strengthening reliability and quality standards in global markets through international certifications - Enhancement of transparency, accountability, and compliance culture in audit and risk management processes 	<ul style="list-style-type: none"> - Innovation leadership and technology-driven production culture in the agricultural products sector - Enhancement of competitiveness through high value-added product development capacity - Data-driven, science-based agricultural solutions to address climate change - Strengthening quality and traceability standards in local and global markets - Increased operational efficiency and accelerated decision-making through digitalization - Promotion of sustainable agricultural models with respect to biodiversity, soil health, and resource efficiency - Improvement of market reliability and customer satisfaction through certifications - Reinforcement of transparency, risk management, and accountability culture in corporate governance 	<ul style="list-style-type: none"> - Farmers, producer associations, and cooperatives - Universities, research institutes, and R&D centers - Technology providers and digital solution partners - Energy and green transition partners (TÜPRAŞ, etc.) - Certification and audit organizations (FSSC, ISO, BRC, etc.) - Local and international customers - Investors and financial institutions - Public institutions and regulatory authorities - Employees and management





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Financial Capital

Inputs	Outputs	Created Value	Relevant Stakeholders
<ul style="list-style-type: none"> Active production, processing, and sourcing operations in numerous countries including Iraq, Iran, Kazakhstan, Russia, Romania, Ghana, Sudan, Canada, the USA, Argentina, and Brazil Investment projects co-financed by IFC (e.g., Umm Qasr Soy Crushing Facility) Tiryaki Denizcilik investment established with a six-vessel fleet target Investment portfolio in organic agriculture, plant-based protein, agriculture-based green energy, and Sustainable Aviation Fuel (SAF) Long-term collaboration agreement with TÜPRAŞ for SAF feedstock supply Leadership in the North American organic market through subsidiaries Sunrise Foods and Ozark Organics West African operations and local producer support programs managed through the Ghana office World's first organic handling infrastructure facility established at Giresun Port 	<ul style="list-style-type: none"> Global revenue of \$2 billion as of 2024 Commissioning of the Umm Qasr Soy Crushing Facility with an annual capacity of 900,000 tons and storage infrastructure of 126,000 tons Expansion of production capacity in North America through the widespread implementation of the co-manufacturing model 	<ul style="list-style-type: none"> Strong operational network and logistical independence in global markets Improvement of production efficiency through high-capacity and modern facility investments Contribution to local economies via employment, technical knowledge transfer, and sustainable agricultural practices Reduction of environmental impacts and mitigation of carbon emissions Strengthening of the supply chain for organic and certified agricultural products Promotion of female employment and enhancement of their professional competencies Ensuring long-term economic resilience through renewable energy and bioeconomy investments Acceleration of innovation in agricultural production and throughout the supply chain 	<ul style="list-style-type: none"> Investors and financial institutions (e.g., IFC) Domestic and international customers Suppliers and farmers Energy and green transformation partners Business partners in logistics and maritime sectors Certification and auditing bodies Local communities and employees Public institutions and regulatory authorities



Our Work in Alignment with Sustainable Development Goals (SDGs)



THE GLOBAL GOALS
For Sustainable Development



Environmental
Sustainability



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As Tiryaki Agro, we align our operations with the United Nations Sustainable Development Goals (SDGs). Through the practices we implement across agriculture, food, and energy sectors, as well as social and environmental domains, we contribute meaningfully to global objectives.

Our distinctive business model, encompassing the value chain from certified seeds to the end consumer, enables the integration of sustainability strategies into all processes and allows us to generate measurable impacts on a global scale in critical areas such as food security, climate action, and inclusive growth.



SDG 1 – No Poverty:

Through our contract farming models, local farmer support initiatives, and the employment opportunities we generate in rural areas, we enhance the income levels of small-scale producers and make a direct contribution to rural development.



SDG 2 – Zero Hunger:

The company increases agricultural productivity through sustainable and regenerative agricultural practices implemented across diverse regions, ensuring access to nutritional resources through certified seed production and food safety-oriented manufacturing processes.



SDG 3 – Good Health and Well-Being

Across all our operations, we prioritize occupational health and safety, maintain comprehensive employee well-being initiatives, and provide our consumers with reliable, high-quality agricultural products.



SDG 5 – Gender Equality:

We enhance women workforce participation and promote gender equality through our inclusive human resources policies and commitment to equal opportunities.



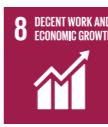
SDG 7 – Affordable and Clean Energy

Through our strategic investments in solar power and the adoption of renewable energy sources, we mitigate fossil fuel consumption and reduce our carbon footprint.



SDG 6 – Clean Water and Sanitation

Through the implementation of our intelligent irrigation systems, adoption of water-conserving practices, and execution of wastewater recycling projects, we ensure the effective and responsible management of water resources.



SDG 8 – Decent Work and Economic Growth

We foster economic development through the employment opportunities we generate across various countries, our long-term supplier partnerships, our inclusive growth strategy, and initiatives that strengthen the local economy.



SDG 9 – Industry, Innovation, and Infrastructure

We enhance our industrial infrastructure through modern facilities, advanced technology production lines, intelligent irrigation systems, and digital agriculture technologies, thereby fostering innovation.



THE GLOBAL GOALS

For Sustainable Development



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SDG 12 – Responsible Production and Consumption

We advance the circular economy through our zero-waste strategy, by reassessing by-products, and leveraging technologies that enhance resource efficiency and minimize food waste.



SDG 13 – Climate Action

We address climate change through our regenerative agriculture practices, targeted investments to reduce carbon emissions, and energy efficiency initiatives.



SDG 15 – Life on Land:

We safeguard biodiversity, enhance soil health, and promote the sustainability of ecosystems through practices such as cover cropping and crop rotation.



SDG 17 – Partnerships for the Goals

We advance sustainability objectives through our commitment to the United Nations Global Compact and our national and international collaborations.

Our approach embeds the principles of sustainable development at the core of the business model, extending not only in Türkiye but across all regions where we operate. It is designed to generate an inclusive and holistic impact in alignment with the SDGs. At every stage of our agricultural supply chain, from certified seeds to the end consumer, we cultivate resilient and long-term collaborations with a diverse range of stakeholders, including producers, suppliers, employees, customers, and local communities. In doing so, we contribute not only to the sustainable transformation of our own operations but also to the resilience and sustainability of our entire global value chain.

With our production, processing, storage, and distribution infrastructure spanning four continents, we implement practices that directly advance SDG objectives across multiple areas, including climate action, biodiversity conservation, responsible production, food security, use of clean energy, and gender equality.

In alignment with our inclusive growth strategy, we operate a global business model that integrates diverse cultures and market dynamics, generating economic opportunities in both developed and emerging markets while supporting local development.

In our operations, conducted in full compliance with international standards and ethical principles, we manage environmental, social, and economic dimensions in a balanced manner. From occupational health and safety to innovation, and from renewable energy investments to regenerative agriculture, we implement a development roadmap aligned with the long-term objectives of the SDGs. With this holistic and global perspective, we assume a leading role in promoting sustainability within the sectors in which we operate.



*In harmony
with nature*

across the world



The Role and Position of Tiryaki Agro Holding in the International Market

Global Trends in Agriculture

The global agricultural product system must simultaneously address some of today's most complex and multidimensional challenges. Climate change, rising temperatures, shifts in precipitation patterns, and extreme weather events are altering production dynamics. Agricultural production has become a critical area due to water scarcity, a growing population, and pressures from industrial demand.

Biodiversity loss undermines soil fertility and ecosystem services, while geopolitical vulnerabilities directly impact trade routes and the security of agricultural product supply. Supply and price volatility make access to agricultural products particularly challenging in sensitive markets, while food loss and waste amplify both economic and environmental costs.

Furthermore, regulatory requirements are tightening rapidly: traceability, deforestation-free supply, carbon reduction targets, and nature-positive practices have become integral components of legal frameworks and major buyer criteria. These developments transform the objective of "**producing more value with fewer resources**" in the agricultural sector from a strategic option into an imperative. Addressing these challenges requires a holistic transformation that integrates efficiency, traceability, and a low-carbon approach within a unified framework.

Why Has the Transformation Accelerated?

- **Water pressure:** Agriculture accounts for the largest share of global freshwater withdrawals; in many regions, production growth is not achievable without improvements in agricultural water efficiency and smart irrigation.
- **Food loss and waste:** Approximately one-third of produced food is lost or wasted along the farm-to-fork chain; these losses contribute significantly to the emissions footprint, representing a notable share of total emissions.
- **Extreme weather events:** Droughts, floods, frost, heatwaves, and wildfires are occurring with increased frequency and intensity, heightening the risk of yield reduction and quality variability.
- **Regulations:** Traceability and deforestation-free supply requirements (particularly in the EU) make geographic evidence and supplier verification mandatory.
- **Financing gap:** The scale of investment required for the transformation of agricultural product systems exceeds the capacity of traditional financing mechanisms; outcome-based programs and supplier financing mechanisms are emerging as key tools.





These considerations indicate a unified direction for the sector: a measurable and scalable transformation model founded on simultaneous efficiency (water, energy, and input optimization), traceability (field data, geographical verification, and lot tracking), low-carbon practices (regenerative agriculture, advanced processing, and circularity), and resilient logistics (licensed storage, multiple sourcing origins, and port accessibility).

Within this framework, it outlines a pathway toward sustainable growth that is fully aligned with both customer expectations and regulatory requirements.

Furthermore, the headings below summarize the global sustainability priorities and transformation areas within the agricultural products sector. These topics—ranging from climate action and nature-positive practices to water efficiency, from traceability and regulatory compliance to the prevention of food loss and waste, and from bioeconomy opportunities to financing and standards—highlight both the global trends shaping the sector's future and the strategic domains where companies must position themselves.

Collectively, these items represent the key agenda points that will directly influence future business operations, investment priorities, and supply chain management models.



Strengthening climate and nature focus

Management of emissions stemming from agricultural production and land use, scaling of regenerative practices, enhancement of soil health, and input efficiency (fertilizer, water, energy) are of critical significance. Major buyers and financial institutions increasingly require science-based targets (particularly frameworks tracking land/agriculture scope separately); measurement of supply chain emissions (Scope-3) and mitigation plans are becoming mandatory standards.



Water efficiency and resilience

Since agriculture accounts for the largest portion of global freshwater use, smart irrigation, loss reduction, reuse initiatives, and projects adapting to drought risks directly address operational continuity. Climate adaptation now extends beyond agronomy to encompass risk and capital planning.



Traceability

Regulations, particularly in the EU, mandating geographical evidence and supplier verification (deforestation-free product requirements) are being phased in according to product categories. This entails field data collection, geospatial verification, phased supplier compliance plans, and contractual obligations.



Food waste and circularity

Reducing post-harvest losses and process waste, reintegrating by-products into the economy, and obtaining high-value components through advanced processing constitute some of the most effective levers for sectoral sustainability and margin resilience.



Bioeconomy and new product portfolio structure

Multi-output production lines such as plant-based proteins, starches and derivatives, functional ingredients, and energy/chemical inputs from agricultural residues and by-products are emerging. This diversifies the company's revenue structure, reducing reliance on a single commodity and establishing a more resilient, balanced, and sustainable revenue model against price volatility.



Financing and standards

Tools such as dedicated credit lines for sustainable agriculture projects, outcome-based contracts, and transformative supplier financing are becoming more widespread. On the corporate side, integrated reporting is expected to encompass the UN Global Compact, human and labor rights, inclusivity standards, and environmental-climate-water disclosures.



Where are we in this bigger picture?

The global agricultural products system is undergoing a profound transformation under multifaceted pressures, including climate change, diminishing water resources, biodiversity loss, geopolitical uncertainties, and rapidly evolving regulations. This transformation renders the efficient use of resources, enhancement of supply chain traceability, and reduction of the carbon footprint strategic priorities.

As Tiryaki Agro, we are at the forefront of this transformation through our extensive geographical reach, durable sourcing, processing, and storage capacities, integrated logistics networks, and sustainable practices. At Tiryaki Agro, we structure our operations on a holistic model that mitigates environmental impacts, delivers social value, generates economic benefits, and enables sustainable growth in collaboration with our stakeholders.

Our products originate from multiple sources, and through our intercontinental sourcing, processing, storage, and distribution network, we deliver millions of tons annually to markets in 70 countries. The strong processing and storage capacity we possess in Türkiye, combined with our port access across four continents and our own or contracted shipping lines, ensures supply continuity and enhances cost efficiency. This scale reinforces our operational resilience against climate-related and geopolitical disruptions.

In alignment with our 2030 vision, we prioritize strategic areas such as expansion into new countries and markets in agricultural production, R&D-driven product innovation, and supply chain integration, while enhancing deep processing capabilities in high value-added segments, including bioindustry, plant-based proteins, and starches.

We continue to convert feedstock into multiple products and channel by-products toward feed or industrial practices. Investments in the cleaning and pre-processing of vegetable and residual oils for the Sustainable Aviation Fuel (SAF) ecosystem represent a critical extension of this strategy, reducing our emission intensity and reinforcing access to high-entry-barrier, value-added markets.

Our distribution capabilities within the organic supply chain, particularly in North America, and our expanding production capacity support our objective of serving as a benchmark in certified and traceable organic

sourcing. This structure operates in natural alignment with traceability regulations and our sustainable procurement policies.

In Türkiye, we are expanding regenerative practices across our large-scale agricultural lands and enhancing water and input efficiency through our smart irrigation infrastructure. In doing so, we reinforce soil health, adapt to climate and water-related risks, and develop scalable best practices in collaboration with our network of supplier farmers.

Our licensed warehouse infrastructure, along with our storage and transfer capabilities at strategic locations, ensures quality assurance, traceability, and financial efficiency. At Tiryaki Agro, we optimize processes such as inventory management, access to finance, and aligning harvests with market demand. Through our maritime and port access, we effectively manage the flow from harvest to processing and export.



As a signatory of the UN Global Compact, we continuously enhance our framework in the areas of **human rights, labor standards, and ethical principles.**

While expanding our scale in the domestic market, we continue to grow in both branded and industrial formats across international markets. With a multi-geographical product and customer portfolio, we effectively balance risks, operating not only in nuts, legumes, grains, and oilseeds but also in feed product categories.

In the feed sector, we provide reliable and sustainable supply to meet the diverse requirements of the livestock industry, not only through additives but also by offering high-nutrient feed feedstock, feed additive products that support animal nutrition and performance, and compound feed solutions designed for balanced nutrition. This diversity strengthens the resilience of our portfolio and contributes to the development of a holistic approach within the agricultural products value chain.

As a signatory of the UN Global Compact, we continuously enhance our framework in the areas of human rights, labor standards, and ethical principles. Our diversity and inclusion policies, programs to increase women employment and support

women farmers, occupational health and safety practices, and local development initiatives constitute an integral part of our social impact agenda. Through these measures, we drive not only environmental but also human-centered transformation at scale.

Our Approach implements low-carbon, water-efficient, nature-positive, and traceability standards required by the global transformation through a single integrated model that encompasses our multi-origin sourcing network, global access to organic markets, regenerative agriculture and water management practices, advanced and deep processing capabilities, circular production approach, and licensed warehousing and logistics infrastructure.

This structure enables us to deliver fully compliant, reliable, and traceable supply to our customers, generate long-term value and resilience for farmers, minimize our environmental footprint, and diversify our company's profitability.

Accordingly, we position ourselves among the pioneering actors shaping the future of sustainable agricultural product systems both globally and across all regions where we operate. In the forthcoming period, by leveraging technology, innovation, and stakeholder collaborations more effectively, we will continue to develop enduring and scalable solutions that advance the transformation of the global agricultural product ecosystem.

Tiryaki Anadolu:

Tiryaki Agro in Türkiye



*In harmony
with nature*
across the world



tiryaki anadolu

Türkiye is a key center for regional food security and global agricultural trade due to its agricultural production potential, strategic geographical location, and product diversity. Building on this well-structured foundation, Tiryaki Anadolu, which has managed Tiryaki Agro Holding's operations in Türkiye since 2023, operates with an integrated business model encompassing every stage of the agricultural products supply chain and is a leader in both scale and impact in the regions where we operate.

By combining our **60 years of global experience** with local production capabilities, we aim to generate enduring value through our companies operating under Tiryaki Anadolu, Türkiye's largest private-sector farmer and the leading agricultural supply chain company in the region.

The system we have established on this land is not merely a production organization; it represents a strong model where sustainable agriculture, local development, digitalization, and integrated logistics networks converge. By incorporating the



Hasata: From Producer to Table

knowledge and technology acquired from our global operations into our processes in Türkiye we enhance operational efficiency while simultaneously leading the transformation of the industry.

As a group specializing in every stage of the agricultural product supply chain, we provide an integrated business model encompassing certified seeds, field production, storage, logistics, and ultimately consumption. By developing innovative and sustainable approaches in agricultural production and trade, we contribute to the future of food aligned with nature.

Leveraging our extensive smart irrigation infrastructure, investments in R&D, and 15 advanced technology facilities, we pursue methods to enhance productivity through efficient use of soil and water. With a storage capacity of approximately 400,000 tons, we deliver secure and effective storage solutions within our supply chain.

Tiryaki Syria

Following the administrative and political transformations in Syria, Türkiye's proactive and effective role serves as a catalyst for regional development. We, as Tiryaki Agro, aim to support the reconstruction process by leveraging our extensive expertise and experience in the agriculture and food sectors.





Strong Operational Infrastructure

As Tiryaki Anadolu, with our modern facilities encompassing a total of 100,000 m² of indoor space, approximately **400,000 tons** of storage capacity, and a daily processing capacity of **3,970 tons**, we achieve a total sales volume of **1.2 million tons**. With a workforce of **778 employees**, more than **1,500 suppliers**, and a customer portfolio spanning **35 countries**, we maintain a resilient presence not only in the domestic market but also internationally.

Our direct sourcing model from local producers ensures traceability and quality assurance, while our collaborations with suppliers, averaging over five years, establish a supply chain structure grounded in long-term trust relationships.

Our Muş Alparslan Agricultural Enterprise, encompassing an area of 6,000 hectares, is **the largest private sector agricultural facility in Türkiye** and serves as our regenerative agriculture hub in the country. Equipped with 1,300 hectares of smart irrigation systems, we achieve 30% water savings and up to a 70% increase in yield, producing 85% of our certified seeds on-site. Furthermore, we operate one of Türkiye's most comprehensive agricultural R&D fields, implementing biological pest control, crop rotation, cover crops, and AI-supported production planning.

Our Gaziantep Facility functions as the central hub for legume processing and pistachio exports for Lidya Nuts. The Mersin Facility, with a capacity of 450,000 tons, not only serves Hasata production but also exports to Iraq, while mitigating our carbon footprint through a **200,000 m² solar energy system**.

The Bandırma Facility distinguishes itself with expertise in fully automated rice and paddy production, the Karaman Facility achieves high efficiency in feed production, and the Karacabey Facility demonstrates excellence in vegetable oil refining.

Tiryaki Anadolu is advancing the agricultural products supply chain sector with its integrated business model, which prioritizes quality, efficiency, and sustainability. Its extensive range of activities—including grains and feed, legumes, nuts, sustainable aviation fuel, certified seeds, and licensed warehousing—is underpinned by advanced production technologies, resilient supply chain management, and innovative practices.



Tiryaki Anadolu will continue to deliver the value derived from these lands to the world, guided by the philosophy of **“Good People, Fertile Lands.”**

Operates with an integrated business model encompassing every stage of the agricultural products supply chain and is a leader in both scale and impact in the regions where we operate.

Tiryaki Anadolu, integrating the strength derived from local resources with global expertise, provides competitive and responsible solutions in Türkiye and all other markets in which it operates.

Today, Tiryaki Anadolu continues its initiatives with resolve to enhance food security, optimize resource efficiency, minimize its carbon footprint, and generate value on a global scale.

Within the scope of Tiryaki Anadolu's operations, we safeguard soil health through regenerative agriculture practices, crop rotation, cover crops, the practice of organic fertilizers, and a zero-waste approach. We mitigate carbon emissions through solar energy investments. We advance the circular economy with

plant-based protein, energy generation from agricultural residues, and SAF projects, while fostering social impact via employee rights, diversity and inclusion policies, and occupational health and safety practices. By developing contract farming models with local farmers, we promote rural development and enhance our competitiveness in international markets. We optimize production processes through advanced technologies and digital solutions, continuously improving efficiency via artificial intelligence and data analytics.

As Türkiye's largest private-sector agricultural company, we are not only a prominent actor in the agricultural products supply chain but also a pioneer in sustainable agriculture, innovation, and social development. In the forthcoming period, we aim to expand into new markets by augmenting our capacity, strengthen our global presence, and further advance our sustainability investments. Empowered by our 60 years of experience, along with our global reach and local production capabilities, we are committed to shaping the future of agriculture and enhancing Türkiye's strategic position globally.

Tiryaki Emerging Markets:

Tiryaki Agro in the World



*In harmony
with nature*
across the world

Tiryaki Emerging Markets: Tiryaki Agro in the World

in 2024

a transaction volume of
1.2 million tons

a revenue of
\$682 million



Environmental Sustainability



Bioeconomy



Efficiency Improvement



Social Impact

Our journey in international markets as Tiryaki Agro is not merely a commercial expansion but the outcome of an approach that generates tangible, field-based solutions aligned with global food security and sustainable development objectives. Our global operations, managed under the Istanbul-based Tiryaki Emerging Markets structure, have positioned us among the world's leading companies in the agricultural product supply chain. While the Emerging Markets segment currently represents the fastest-growing business area of Tiryaki Agro, **in 2024 we achieved a transaction volume of 1.2 million tons and a revenue of \$682 million.**

The foundation of our global strategy rests on the principle of "first in, first to see, first to solve." This approach enables us to identify opportunities early in emerging markets, manage risks proactively, and design sustainable solutions. When entering a new market, we first analyze its dynamics through trade, then strengthen our local presence by establishing regional offices, and finally, when conditions are favorable, we solidify our operations through long-term facilities and investments.

In essence, we base our growth in emerging markets on a "trade-establishment-investment" model. This strategic framework prioritizes the expansion of trade volume first, followed by reinforcing local presence, and ultimately transforming it into enduring production investments. As a result, we have distinguished ourselves as a reliable and resilient player in regions where agricultural supply chains remain particularly vulnerable.

Tiryaki Agro's approach goes beyond mere growth, emphasizing the strategic courage to be "first to see, first in, first to solve." By identifying opportunities early and developing solutions in complex and challenging markets, the company generates enduring value through solid local partnerships and collaborations with international financial institutions such as the IFC.

Today, we serve thousands of customers across 50 countries. Through our operations at 40 ports and with a storage capacity of approximately 1 million tons, we deliver effective solutions on a global scale. The majority of our approximately 365 employees within the Tiryaki Emerging Markets network are young professionals. Each year, our team—nurtured by the "Future Leaders" young talent program and engaged in international operations—not only pursues commercial objectives but also fulfills the mission of fostering mutual understanding and trust. Anchored in cultural sensitivity and empathy, this approach enables us to establish direct, transparent, and long-term

collaborations with local stakeholders in diverse regions.

Our presence in strategic regions such as the Middle East, Africa, South America is founded not merely on trade but on long-term partnerships that generate tangible social value. At the heart of our strategy lies our commitment to long-term value creation, which entails anticipating opportunities in emerging markets and developing enduring solutions to address their evolving needs.

We do not base our investment decisions solely on financial returns; we recognize that such an approach would not be sustainable in the long run.

Tiryaki Iraq

Iraq represents Tiryaki Agro's first and largest international investment and stands as a symbol of our long-term commitment to the region.



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with nature*
across the world



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact



Our facility supports the advancement of commercial relations and makes a meaningful contribution to the expansion of both regional and international trade volumes

Tiryaki Iraq



As Tiryaki, we make strategic contributions to regional food security and the resilience of supply chains. In line with this mission, we established our facility at Umm Qasr Port – Tiryaki's first and largest investment outside Türkiye. Developed in collaboration with the International Finance Corporation (IFC), a member of the World Bank Group, this facility stands as one of the region's most advanced soybean crushing and corn storage complexes.

Our facility supports the advancement of commercial relations and makes a meaningful contribution to the expansion of both regional and international trade volumes. Owing to our access to the deepest waters in the region, we are able to directly serve large-tonnage vessels, while our modern storage infrastructure enables the safe and efficient management of products. Through this capacity, we serve a broad geographical area, primarily encompassing the Gulf countries and Southeast Asia.





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Efficiency
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Social Impact



“

Tiryaki's first
and largest
investment
outside Türkiye:
**Umm Qasr
Port.**

**One of the
region's most
advanced
soybean
crushing and
corn storage
complexes.**

As Tiryaki Iraq, we have achieved notable commercial milestones in a relatively short period through our partnership with our local collaborator, Sama Almanar. These accomplishments demonstrate how effectively we leverage our strategic position within the region.

Between June 2024 and January 2025, we traded approximately 600,000 tons of corn and aim to increase this volume to 1 million tons by the end of 2025. Furthermore, within the framework of our joint programs with Iraq's public grain authority, GBI, we also import wheat to support the country's agricultural supply chain.

In our investment, we go beyond pursuing purely commercial objectives; we are also committed to contributing to the local economy and community. By creating employment opportunities for a team of 290 people, we play a pioneering role in the

industry, particularly by empowering women to work in a safe, inclusive, and equitable environment. Across all our operations, we uphold the highest standards of sustainability, hygiene, and occupational safety.

In the upcoming period, we plan to invest in new flour, legume, and rice processing lines, as well as in feed additive products and vaccine supply. In this context, we continue to engage with the Iraqi Central Government and maintain our collaboration with the International Finance Corporation (IFC). We anticipate that these initiatives will not only more than double our current capacity but also further consolidate our strategic presence and strengthen our commercial partnerships in the region.



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Tiryaki Ghana



The company oversees its West Africa operations through the Ghana-based entity, Tiryaki Ghana, supporting farmers primarily in Ghana and also in Togo, Ivory Coast, Burkina Faso, and Benin to produce in line with international organic production standards and benefit from shared expertise. This contributes to the sustainable enhancement of local producers' incomes.

The company is the largest purchaser of organic soy in the region and the only entity authorized by the Ghanaian government for organic soy exports.

Additionally, we continue our negotiations with the relevant governments, particularly in Ghana, to become the exclusive purchaser of agricultural products produced in select Sub-Saharan African countries. In the forthcoming period, we plan to supply conventional products such as edible oil, wheat, and flour to these markets and establish production facilities to support the development of the local food industry.



Tiryaki Nigeria



At Tiryaki Agro, we had primarily focused on supplying organic agricultural products in Sub-Saharan Africa. In 2024, with a new company we established in Nigeria, we aim to further expand our operations in the region. With the processing facility we set up in Nigeria, we have commenced supplying grains, flour, and oil to this country and its neighboring countries.

In this way, we have taken a strategic step toward achieving vertical integration in our agricultural supply chain in Sub-Saharan Africa. We will continue to take measures to strengthen our supply chain across the region.



Environmental
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Tiryaki Venezuela



As Tiryaki Agro, we operate by thoroughly analyzing local needs in the markets where we are active. We initiated our operations in Venezuela with this approach: first, establishing commercial activities, and subsequently focusing on creating a sustainable presence in the region. Initially, we supplied essential oil products to areas where access to food was limited.

These products reached a broad audience through social assistance packages distributed by public institutions. Throughout this process, we implemented a strategy centered on addressing the needs of the local population.

Today, we maintain an office, a production facility, a local team, and extensive field expertise in Venezuela. Our facility specializes in soybean crushing. Our next objective is to expand the production facility by adding new units, primarily for sugar processing. Through this facility, we aim to provide local nutrition solutions while contributing sustainably and over the long term to the regional food system.

Tiryaki Venezuela represents more than a conventional trading operation; it forms part of a comprehensive transformation that spans the supply chain and local production. As in every market, our approach begins with an in-depth understanding of the field, followed by the development of sustainable solutions.

The other countries in South America where we aim to strengthen our presence through a legal entity are Brazil and Argentina. Our trade in oilseeds and grains in these countries plays a pivotal role in Tiryaki Agro's global value chain.

Brazil, the largest economy in South America, has served as one of Tiryaki Agro's primary sourcing countries for decades. To further advance this

long-standing commercial relationship, we plan to establish a legal entity in Brazil, thereby reinforcing our physical presence and enhancing bilateral trade. This initiative further deepens integration within our global supply chain.

Leveraging the region's durable production infrastructure, we ensure uninterrupted supply to markets in Europe, the Middle East, and Asia. Through our logistics capabilities, we enable products originating from South America to reach global food and agricultural product chains safely and punctually.



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We maintain a resilient collaboration with the state of Eritrea, which has lasted for over 15 years, and fulfill the country's entire grain demand.

East Africa

In East Africa, we conduct studies at a differentiated scale and depth. We maintain a resilient collaboration with the state of Eritrea, which has lasted for over 15 years, and fulfill the country's entire grain demand.

Simultaneously, we supply a notable portion of Ethiopia's wheat requirements, providing approximately 40% of the wheat it will receive in 2024.

The company is executing a port and silo project in Djibouti to strengthen its presence in East Africa and ensure the uninterrupted supply of Ethiopia's grain requirements.

tiryaki east africa

We supply a notable portion of Ethiopia's wheat requirements, providing approximately 40% of the wheat it will receive in 2024.

For our facility, which will handle essential food commodities such as wheat and grains through Djibouti, we are collaborating with the International Finance Corporation (IFC) to obtain operational analysis and planning support.

Through this project, we aim to reduce ship waiting times, enhance food trade between Djibouti and neighboring countries, streamline logistics, and strengthen food security.





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Tiryaki Origin: The Turkish Way of Globalization

What distinguishes us is not only our early initiative but also our approach, which we define as "Türkiye-origin approach." This model enables us to operate not merely as a commercial player in the regions where we are active, but also as a trusted solution partner. Owing to our respect for local cultures and the long-term, transparent, and trust-based relationships we cultivate with stakeholders, we establish a sustainable presence in every market where we operate.

At Tiryaki Agro demonstrate our effectiveness in international markets not only through our strategic presence but also through quantifiable performance indicators. Over the past five years, we have consistently increased our trade volume, reaching more than 10 million tons in transactions by 2024. This growth constitutes a tangible demonstration of the enduring impact we generate in every market we enter.

Within our product portfolio, oilseeds and their derivatives account for a leading share exceeding 40%, while legumes and cereal products also represent a strong volume. We are consolidating global presence particularly in the trade of soy, sunflower, and corn, while leveraging Türkiye's production advantage in legume products such as red lentils and chickpeas in international markets.

Performance Data

2024 Actual Performance

Supplied Agricultural Products:
1.2 million tons

Net Sales Revenue:
\$682 million

2025 Projection

Agricultural Products to be Supplied:
2.5 million tons
Target Revenue:
\$1.2 billion

2030 Objective

Supply Volume:
5 million tons
Revenue Target:
\$2.5 billion

In terms of geographical distribution, the Middle East and Africa constitute our strongest regions with a 45% share, while South America and the Black Sea basin also provide strategic contributions to the growth of our portfolio. This diversification establishes a balanced structure that mitigates the potential adverse effects of any geographical or product-specific fluctuations on our overall operations.

The structure we have established globally is not solely commercial but also reflects our commitment to developing sustainable, traceable, and dependable agricultural product systems. Our international accreditations, status as an approved supplier for organizations such as the UN World Food Programme, and the prompt, high-quality deliveries we execute in crisis-affected areas constitute concrete demonstrations of this vision in practice.

Tiryaki Organics: The Global Organic Market and Tiryaki's Position

“One of the world's leading
players in organic grains
and legumes.”



*In harmony
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across the world



tiryaki organics

Organic farming holds a strategic role in shaping the future of the global food system. As of 2023, global organic food sales have surpassed \$150 billion, while the total area dedicated to organic farming has reached 98.9 million hectares. Demand continues to grow significantly, particularly across North America and Europe, while new and dynamic markets are emerging in Asia and Africa.

In this dynamic environment, we at Tiryaki Agro have established ourselves as one of the world's leading players in organic grains and legumes. At Tiryaki Agro, a market share of approximately 25–30% is held in North America, while in Europe, the company continues to strengthen its position through consistent and strategic growth. This scale represents not merely a commercial achievement but also a model that contributes meaningfully to global food security and sustainable nutrition.

Organic Integrity and Traceability

With the expansion of the organic market, "trust" has emerged as one of its fundamental pillars. Recognizing that the sustainability of the organic value chain cannot be ensured without well-structured certification and full traceability, we continue to advance by implementing the highest international standards in this domain.

The Organic Integrity and Fraud Prevention Program, developed by Sunrise Foods, one of the companies within the Group, is grounded in the methodologies established by the Organic Trade Association and Michigan State University. The program is fully aligned with the **U.S. Department of Agriculture's Strengthening Organic Enforcement (SOE)** regulations, ensuring comprehensive compliance and integrity across all operational processes.

The practices extend well beyond regulatory obligations and are designed to ensure the highest level of integrity within the organic value chain.

- Regular audits and performance assessments of suppliers
- Comprehensive sample testing and residue analysis
- Full traceability across the entire supply chain through advanced digital systems
- Certified storage and processing facilities that meet international standards

As a result, the journey from farm to table becomes fully transparent and verifiable. This model has evolved into one of the fundamental pillars supporting international confidence in the global organic trade.



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**“ Organic Roots.
Trusted Service.
Global Reach. ”**

Sunrise Foods International and the Global Organic Value Chain



At the heart of our organic business stands Sunrise Foods International, operating under the Tiryaki Organics structure as a global leader in the organic food and feed industry. With a strong presence in North America, integrated processing facilities across Europe and Türkiye, and our fully certified organic port in Giresun, Sunrise manages one of the world's most comprehensive and reliable organic value chains. More than a supplier, Sunrise functions as an integrated ecosystem that manages every stage of the process—from the farmer to the end consumer.

Sourcing, storage, processing, logistics, and certification are coordinated under one roof, ensuring both operational excellence and the highest standards of organic integrity. This structure enables Tiryaki Agro to maintain its leading position in North America, with a 25% market share, while achieving sustainable growth across Europe and other key markets.

Our strength lies in a management approach built on transparency, traceability, and trust. We implement the highest standards in organic production, ensuring that every product is rigorously monitored and verified from farm to table. Our “Organic Integrity and Fraud Prevention Program,” developed using Organic Trade Association and Michigan State University methodologies, is fully aligned with the USDA’s Strengthening Organic Enforcement (SOE) regulations. This program has become a benchmark for maintaining product integrity and transparency across the global organic supply chain.

Sunrise’s approach to the organic system goes beyond certification—it embodies a holistic sustainability philosophy that integrates quality, environmental responsibility, and social impact. We build long-term partnerships with certified producers, support smallholder farmers, and strengthen local production through direct sourcing models. Over 80% of the organic whole grains we source in North America come directly from farms, ensuring both traceability and farmer income security.

Our strength
lies in a
management
approach
built on
**transparency,
traceability,
and trust.**



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Türkiye Production Centers



Through sustainable agricultural practices, we aim to reduce our environmental footprint, strengthen food security, and protect the planet's natural resources.

We are investing in alternative, clean, and renewable energy sources to reduce the carbon footprint of our production and processing facilities, while fully digitizing paper-based operations in our North American offices to increase efficiency and sustainability.

Sunrise Foods represents one of the strongest examples of how Tiryaki Agro's vision for sustainable growth translates into global impact. By placing quality, trust, and sustainability at the core of every step from production to consumption, Sunrise continues to operate as a strategic platform shaping the future of organic agriculture worldwide.



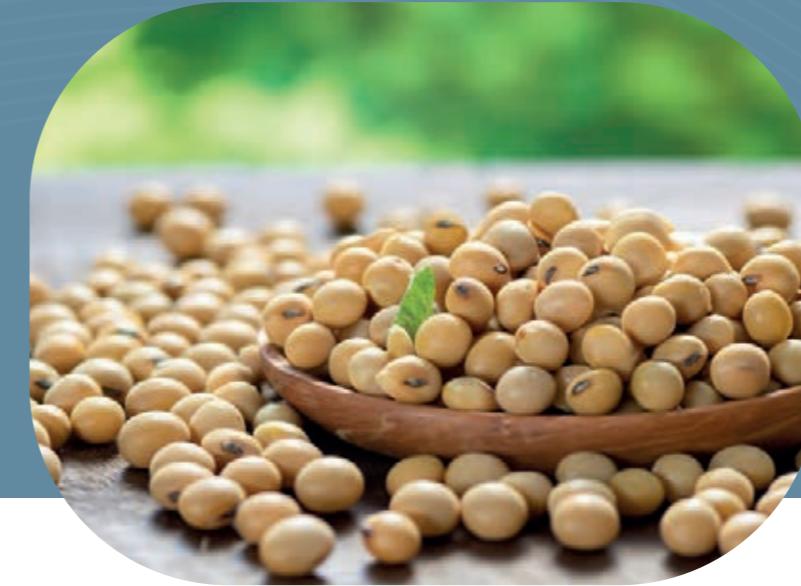
Çorum Facility:

With its oil refinery, sunflower crushing, soybean processing, and seed processing units, it serves as Türkiye's primary hub for organic production. Approximately 70% of the organic soybean meal produced in Türkiye originates from this facility, and 95% of its output is exported.

Around 10% of the organic oil demand in the United States is supplied through production from Çorum. This facility also stands as the first and only organic processing plant in Türkiye to hold a CORSIA certification.

North America Entry Point: NOLA Terminal:

The NOLA terminal in New Orleans has been established as a strategic entry point for organic products in North America. This facility, currently operated through collaborative partnerships, is expected to become one of the continent's most solid organic logistics centers once fully operational. NOLA, particularly as a complement to Sunrise Foods International's storage and distribution infrastructure, will provide Tiryaki Agro with a strong advantage in accessing the North American market.



Ozark Organics: Advancing Vertical Integration and Sustainable Growth



In 2024, Ozark Organics joined our organization under the Tiryaki Organics structure. Based in Buffalo, Missouri, Ozark Organics is one of the leading organic feed producers in the United States. Since its establishment in 2019, the company has been producing high-quality organic feed using organic corn and organic soybean meal as key ingredients in its specialized formulations.

This strategic investment represents a strong reflection of Tiryaki Organics' vision for vertical integration. We are now actively involved not only in sourcing and processing raw materials but also in the final product stage.

By strengthening responsible production practices at every step of the farm-to-table value chain, we are driving sustainable growth across the global organic agriculture ecosystem.

With an annual production capacity exceeding 100,000 tons, Ozark Organics has quickly become a major player in the organic feed market. This milestone brings us one step closer to achieving our goals for global food security and sustainable nutrition.

With an annual production capacity exceeding **100,000 tons**, Ozark Organics has quickly become a major player in the organic feed market.



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Diversity of Resources and New Perspectives

As Tiryaki Agro, we have not confined our organic production and sourcing activities to the post-Soviet region and Türkiye; we have begun diversifying our portfolio through new sourcing initiatives in Africa.

This approach provides solid mitigation against climate change and volatility in food supply. Moreover, resource diversification generates additional economic opportunities for farmers and enhances the resilience of the global organic food chain.

Sustainability Approach

Organic farming is not merely a business line for Tiryaki Agro but represents a long-term commitment to both nature and society.

- Respect for soil and farmers: Production practices that preserve biodiversity and minimize chemical inputs.
- Transparency and trust: A fully traceable value chain from farm to table.
- Fair trade: Promoting the economic empowerment of small-scale producers and farmers.

- Resource diversification: Ensuring sustainable growth through a strong presence in Türkiye and the broader region, complemented by expansion into Africa.

This approach serves as a clear indicator that, as Tiryaki Agro, we are a global contributor to food security, climate change mitigation, and the achievement of sustainable development goals. We regard our organic business line as one of the most enduring legacies we will pass on to future generations.

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Giresunport today operates as **the world's first fully certified organic port.**

Giresunport – The World's First Fully Certified Organic Port



At Tiryaki Agro, we have positioned one of the key links in our sustainable food supply chain in Giresun.

Acquired in 2018 and structured under Tiryaki Organics, Giresunport today operates as the world's first fully certified organic port.

Thanks to our modernization investments, Giresunport has become the most advanced organic logistics hub in the Black Sea region. With a daily handling capacity of 10,000 tons, 110,000 tons of certified organic storage, and a fully automated infrastructure, we ensure the highest level of traceability and product integrity.

Integrated with our organic production facility in Çorum, Giresunport serves as the central hub for organic exports from Türkiye to the world. In line with our sustainability vision, we are transitioning diesel cranes to electric models, aiming for up to 85% reduction in energy consumption.

Giresunport reflects not only our logistical strength, but also our commitment to environmentally responsible port management. With its contribution to regional employment, expanding export capacity, and growing competitiveness, it continues to strengthen its position as the leading port of the Eastern Black Sea region.

Tiryaki Strategic Services

Through our network under Tiryaki Strategic Services, our primary objective is to unify operations across diverse geographies under a shared vision and to strengthen the value chain through efficient and transparent decision-making processes.



At Tiryaki Agro, we consider strategy not merely as long-term planning but **as an integral component of daily operations.**

Tiryaki Strategic Services is the core structure that ensures our global operations remain sustainable, lean, integrated, and resilient. This structure covers key areas including strategy management, operational excellence, digital transformation and infrastructure development, maritime and agency services, risk management and insurance, as well as port operations.

Our goal is to unite all our operations across different geographies under a shared vision, and to strengthen our value chain through fast and transparent decision-making processes. The Strategic Services unit not only manages operations, but also drives the continuous improvement of our supply chain, enhancement of service quality, and holistic management of corporate risks.

At Tiryaki Agro, strategy is not merely long-term planning—it is an integral part of our daily operations. Our corporate strategy framework, established in 2024, is managed through project-based performance indicators, regular review

mechanisms, and an inclusive structure that enables contribution from all employees. In this way, strategic goals are translated into concrete business plans at every location, and performance is monitored transparently.

Operational excellence at Tiryaki Agro represents a management philosophy that prioritizes efficiency, safety, and continuous improvement in all our activities. Through the Tiryaki Excellence Program (TEX), a culture of continuous improvement has been embedded across the company, and improvement projects have been standardized. Energy and resource efficiency, occupational health and safety, transparent cost management, and employee engagement remain top priorities across all our locations. Strategic Services form the cornerstone of Tiryaki Agro's global agricultural supply chain, driving trust, efficiency, and sustainable growth.



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Tiryaki Maritime Transports



At Tiryaki Agro, maritime operations are a critical component that ensures the sustainability and seamless performance of our global supply chain.

Established in 2009 and restructured in 2019 under the Tiryaki Strategic Services umbrella as Tiryaki Maritime Transports, these operations now run within a professional and fully integrated operational framework.



By combining shipping, ship agency, risk management, and insurance services under a single structure, we have created a robust and integrated maritime ecosystem to support our international operations.

Our Maritime Services

Our fleet currently consists of four vessels – Ada, Mina, Beyza, and Sena – actively serving the waters around Turkey and the Persian Gulf. Each vessel has a carrying capacity of 8,330 tons, and we plan to add two additional ships by 2026.



Transport and Charter Operations

We charter over 100 vessels annually and conduct approximately 150 voyages. Commercial operations are managed directly in-house, while technical maintenance and crew management are carried out in collaboration with our trusted partners.



Ship Operations and Logistics Management

We manage shipments, operational monitoring, and port coordination across more than 40 ports on a 24/7 basis. This flexible and reliable operational setup allows us to deliver a fast, secure, and cost-effective maritime transport network on a global scale.



Ship Agency Services

We provide comprehensive services to vessels arriving at Turkish ports, including port operations, shipyard support, strait transit assistance, protective agency, fuel supply, and spare parts management. This integrated approach ensures our clients benefit from a seamless end-to-end service experience, all managed from a single point of contact.



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Tiryaki Shipping Agency

Tiryaki Shipping Agency is the integrated hub for maritime transport and agency services within Tiryaki Agro's global supply chain. By combining sea transportation, vessel chartering, container forwarding, insurance brokerage, and port/terminal management, we ensure our operations are fast, reliable, and sustainable.

Our fleet consists of four owned vessels operating in Turkish waters and the Persian Gulf, complemented by over 100 annual charters and approximately 150 voyages. We manage shipments and logistics across more than 40 ports with 24/7 operational monitoring.

Reliable, efficient, and sustainable growth within the global agricultural supply chain.

Through strategic ports and transshipment facilities such as Giresunport, Umm Qasr, and Tiryaki Organic NOLA, we provide end-to-end maritime and container solutions, enabling efficient, cost-effective global transportation for our clients.

Our insurance brokerage further safeguards all operations, allowing proactive risk management across the supply chain. Tiryaki Shipping Agency stands at the heart of our global value chain, delivering a reliable, efficient, and sustainability-focused maritime ecosystem.

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In our digital transformation journey, we focus on advancing at every step, **implementing smarter solutions in every system, and creating a more meaningful future through data.**

Tiryaki T-Tech Business Solutions

 *tiryaki t-techs business solutions*

Tiryaki T-Tech Business Solutions forms the core of our technology-driven units that ensure Tiryaki Agro's global operations remain competitive, agile, and sustainable. We position information technology not merely as infrastructure, but as a strategic enabler for growth, efficiency, and innovation. In our digital transformation journey, we focus on advancing at every step, implementing smarter solutions in every system, and creating a more meaningful future through data.

Following five years of organic growth, we completely restructured our infrastructure. We adopted a cloud-native approach company-wide and migrated all business systems to multi-cloud environments. This allows our teams across different time zones—from Canada to Kazakhstan—to collaborate seamlessly, accelerate decision-making, and minimize operational disruptions.

Cybersecurity and Network Management

We make significant investments in cybersecurity, a critical element of digital operations. Our 24/7 Security Operations Center (SOC) and multi-tiered escalation processes enable rapid response to potential threats, ensuring uninterrupted business continuity. To support our global operations, we are deploying next-generation SD-WAN infrastructure, providing secure, fast, and resilient connectivity across all regions.

ERP and Business Process Modernization

We modernized our enterprise resource planning (ERP) infrastructure by adopting Microsoft Dynamics 365 Finance & Operations, transitioning to a cloud-based ERP system. This transformation has made our processes more flexible and integrated, enhancing automation, continuity, and operational efficiency. Planned maintenance, spare parts management, and operational traceability are now fully managed through a single system, preventing unplanned downtime for critical machinery.



Environmental Sustainability



Bioeconomy



Efficiency Improvement



Social Impact



We position information technology not merely as infrastructure, but **as a strategic enabler for growth, efficiency, and innovation.**

Artificial Intelligence and Digital Workflows

We enhance IT services with AI-powered assistants and digital workflows. These systems rapidly analyze user requests, provide solution recommendations, and reduce response times, improving service quality. Document management and approval processes are optimized through automation, continuously boosting operational efficiency and user experience.

User Satisfaction and Continuous Improvement

Since 2021, we have regularly measured user satisfaction to guide the continuous improvement of IT services. By analyzing employee feedback, we adapt our services to current needs and refine our processes.

Sustainability and Energy Efficiency

We integrate our digital transformation with sustainability objectives. By migrating local servers to the cloud, we minimize energy consumption, cooling requirements, and hardware investments, optimizing resource usage and reducing environmental impact. This ensures operational excellence from both a technological and sustainability perspective.

Tiryaki T-Tech Business Solutions leverages technology as a strategic force, enabling our global operations to function faster, safer, more efficiently, and sustainably.

Tiryaki Sustainable Solutions

Tiryaki Agro is an active player in an integrated value chain that encompasses food, feed, energy, bio-industrial products, and strategic services. This structure enables the company to develop sustainable models in global food security and energy, shaping the future of agriculture.

At the heart of this vision lies the Sustainable Solutions Business Unit, which establishes a strategic balance between agriculture and energy, focusing on innovation, R&D, and investment.





As Tiryaki Agro, we are key participants in an integrated value chain encompassing food, feed, energy, bio-industrial products, and strategic services. Through this structure, we prioritize the development of sustainable models in global food security and energy while shaping the future of agriculture.

At the core of this vision, our Sustainable Solutions Business Unit continues its work centered on innovation, R&D, and strategic investments, establishing a balanced integration between agriculture and energy.

The primary objective of this structure is not merely to conduct business; it is to create a circular value chain connecting agriculture, feed, energy, and bio-industrial products, and to redefine this chain in accordance with sustainability principles.

Industrialization and conventional production models exert notable pressures on natural resources, thereby contributing to the climate crisis.

This reality underscores the necessity of replacing fossil-based systems with plant-based and biological resources. These resources serve as the foundation for sustainable fuel solutions across aviation, maritime, land transportation, and industrial sectors.

At Tiryaki Agro, we aim to transform the agriculture-feed-energy chain into a circular structure. By allocating a portion of the products to food and feed and another portion to biofuel, we complete the chain; consequently, we generate economic value while simultaneously contributing measurably to mitigating the climate crisis.

Our Sustainable Solutions Business Unit collaborates with Tiryaki Agro's R&D structure and delineates its principal focus areas as follows: plant proteins, amino

acids, and sugars; advanced processing and green technologies; sustainable fuels, including SAF, methanol, and hydrogen; bioethanol and our investments in Europe; **animal nutrition and fermentation technologies; industrial biotechnology and the bioeconomy; and alternative proteins along with emerging fields.**

Building on this journey reinforced by R&D and innovation, we continuously strive to be a strategic actor shaping not only the food and energy systems of today but also those of 2030 and beyond.





Creating
lasting value in
Central Asia
through
**sustainable
farming and
integrated
production.**

Tiryaki Kazakhstan



Within our highly strategic Tiryaki Kazakhstan operations under the Tiryaki Sustainable Solutions business line, we have built our presence in the region not merely for product supply, but with the goal of establishing a long-term model for contract farming, sustainable production, and regional development.

With this vision, we have laid a strong foundation for our upcoming Integrated Agro-Industrial Facility investment in Astana, the capital of Kazakhstan, which we plan to break ground on in 2025. The first phase of the project, focused on wheat deep processing, is targeted for completion in 2027, followed by the second phase on pulses processing in 2028. Once operational, the facility will have an annual capacity to process 250,000 tons of wheat and 80,000 tons of pulses, producing high value-added products such as gluten, starch, plant-based protein, syrup, and feed.

This investment will unlock the grain and pulse potential of the region, diversify exports, open new markets, and strengthen local R&D capacity. Through sustainable farming practices and technology transfer, it will promote circular economy principles and accelerate regional development. With wheat processing in the first phase and pulses processing in the second, the facility will establish a fully integrated production ecosystem.

This strategic step will advance Tiryaki Agro's contract farming experience in Central Asia and mark a significant milestone in positioning our seed-to-table integrated value chain as a lasting presence in the region.



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



tiryaki agro holding
sustainability
report | 2023-2024



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At Tiryaki Agro, we are pioneers in low-carbon bioethanol and **sustainable aviation fuels (SAF)**.

Tiryaki Bioethanol

tiryaki bioethanol

At Tiryaki Agro, we are pioneers in low-carbon bioethanol and sustainable aviation fuels (SAF). Our bioethanol facility in Europe will produce second-generation ethanol alongside technical oils and feed products that support SAF production, strengthening our circular economy approach. Through long-term collaborations in Turkey, we secure feedstock from waste and residual oils, enabling a sustainable SAF initiative.

These efforts are part of Tiryaki Sustainable Solutions' vision. By building a strategic bridge between agriculture and energy, we create an integrated circular economy model encompassing agriculture, feed, energy, and bio-industrial products. Part of our output goes to food and feed, while another part is directed to biofuels, establishing a sustainable value chain.

Our bioethanol and SAF investments go beyond renewable fuel production. Using advanced processing and green technologies, we convert agricultural inputs into high-value products, reduce chemical usage, increase energy efficiency, and recover by-products. This approach also supports industrial biotechnology, fermentation-based feed solutions, and blue food innovation.

By combining R&D with operational expertise, we transform knowledge into scalable and sustainable products. These initiatives provide tangible contributions against the climate crisis, reinforce the circular economy, and position Tiryaki as a strategic actor shaping the food and energy systems of 2030 and beyond.



Operations and Facilities

At Tiryaki Agro, we establish our global success not only through export volume but also via strategically positioned facility infrastructure, an integrated production system, and durable logistics capabilities.

Currently, we conduct intercontinental operations through 29 facilities across 11 countries. This structure transcends mere production; it establishes a comprehensive system that ensures intercontinental trade is conducted on a secure, traceable, and sustainable basis.

Each of our facilities is designed in alignment with the dynamics of the region in which it operates and strategically positioned in proximity to feedstock sources, logistics corridors, and target markets. At Tiryaki Agro, the entire value chain is overseen end-to-end through dedicated lines for different product groups, distinct production monitoring systems, and independent operational infrastructures that segregate organic and conventional processes.

Umm Qasr Integrated Production and Logistics Complex

The integrated facility established in Umm Qasr, the only deep-water port opening to the Persian Gulf in southern Iraq, exemplifies that Tiryaki Agro is not merely a trading company; it positions itself on the ground as a proactive actor in building production, development, and sustainable agricultural product systems.

The complex, developed from the ground up in the second quarter of 2024 with financing support from the International Finance Corporation (IFC), serves as a strategic center for production, logistics, and export within Iraq's agricultural sector.

Our facility, established on a **150,000 m²** area, is distinguished as one of the Middle East's highest-capacity infrastructures, with an annual crushing capacity of 900,000 tons and a daily soybean processing capacity of 3,000 tons.

Approximately **700,000 tons** of the production output comprise soybean meal utilized in the feed industry, while 200,000 tons consist of exported soybean oil.


Within the facility:


Vertical and horizontal silo systems with a total capacity of **126,000 tons**



A **4,000 m²** enclosed processing unit



A deep-water port with a capacity of **50,000 DWT**



Container and bulk cargo areas, both bonded and non-bonded

With a draft of 10.5 meters and strategic investments in floating cranes, the facility functions as a logistics hub for shipments to neighboring countries.

The facility operated by Sama Al-Manar employs a total of 290 staff members, 232 of whom are Iraqi citizens. In a sector with limited women representation, we have established a workplace culture exemplary in the industry by providing women with a secure and equitable working environment. The facility fulfills a remarkable portion of Iraq's soybean meal demand, contributing to the reduction of feed costs in the livestock sector.

The production distribution is as follows:


70.99%
soybean meal



20.12%
soybean oil



6.13%
husk

Concurrently, it functions as a regional supply hub for the shipment of agricultural products, which account for 7% of Iraq's non-oil exports, to Türkiye, the UAE, Saudi Arabia, and Kuwait.

Owing to its port connectivity, the facility, directly integrated into the maritime route, ensures uninterrupted access to production centers in northern Iraq and to the Gulf and Levant regions via road and rail networks. In this manner, we deliver products not only within Iraq but also across an extensive geography extending to Central Asia.

Our facility, operating with an annual average consumption of 21,000 tons of fuel (approximately 85% fuel oil) and 25 million kWh of electricity, emphasizes

circularity and resource efficiency by channeling processed by-products into the feed industry.

The Umm Qasr Integrated Production and Logistics Facility lies at the core of Tiryaki Agro's sustainable growth strategy, contributing not only through its production capacity but also to regional development, food security, and the enhancement of export potential.

With additional investments planned in the coming years, we intend to activate flour, pulses, and rice production lines and to expand import-logistics capacity. In doing so, we seek to establish a long-term and decisive position in the regional supply of agricultural products.



Ozark Organics: A Strategic Asset Specializing in Organic Feed Production in the USA

Our North American operations constitute a pivotal link in Tiryaki Agro's progression toward global leadership in organic agricultural products. By acquiring a majority stake in Sunrise Foods International and integrating Ozark Organics into our portfolio, we have established ourselves as a global reference point, not only in terms of volume expansion but also in the standards of quality, traceability, and sustainability for organic products.

At Tiryaki Agro, we have designed our investments in this region to function as a strategic solutions partner in markets where food security is a priority, extending beyond the role of a conventional supplier. Currently, our facilities in Canada and the USA serve a pivotal role in the processing, classification, storage, and distribution of organic agricultural products to global markets. As one of the leading companies in North America within the organic products sector, Sunrise Foods establishes benchmarks in both volume and quality for products such as **organic chickpeas, green lentils, red lentils, sunflower seeds, pumpkin seeds, and flax**.

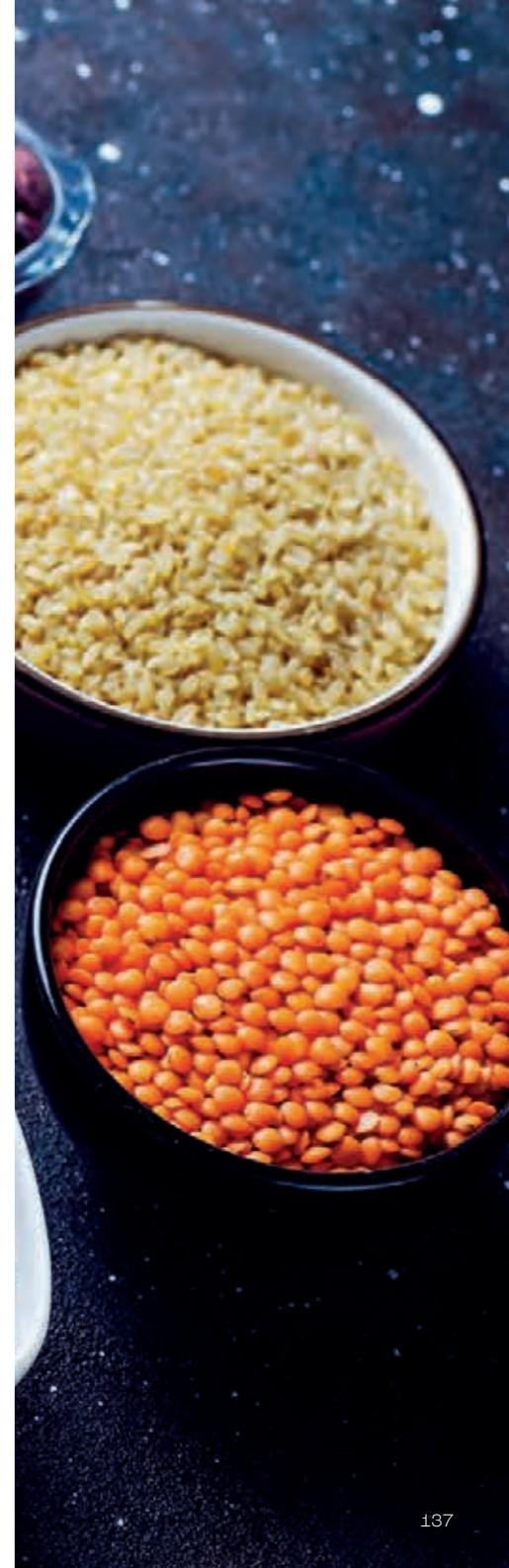
Notably, in the organic feed sector, it also provides a comprehensive portfolio of secondary products, including meals, brans, and oils.

- Sunrise Foods International commands a 25% market share in the North American organic agriculture sector.
- The company processes feedstock directly sourced from Canadian fields at its central facility in Saskatchewan and exports the products to **more than 30 countries**.
- The annual processing volume of Sunrise Foods' core products exceeds **300,000 tons, with approximately 70% of this volume** supplied for further processing at Tiryaki Agro's facilities in Çorum and Mersin.

US-based Ozark Organics provides essential production capacity within the organic feed segment, particularly for animal nutrition. Specializing in soybean meal, sunflower meal, organic flour, and feed additives, Ozark Organics operates a flexible production line that enables the preparation of custom-formulated blends tailored to specific customer requirements. The facility operates in full compliance with USDA and NOP standards, with all production lines certified and subject to independent verification.

Products are supplied using high-quality packaging and resilient logistics infrastructure, catering to both domestic and export markets. Exports conducted through Ozark Organics enhance Tiryaki Agro's capacity to supply organic feed to Europe and the Middle East.

Our presence in this region signifies not only the production of organic agricultural products but also control over the entire value chain. All processes—from seed supply to field inspection, and from storage to customer delivery—are executed in an integrated manner under the Tiryaki Agro quality system.





Bandırma Facility

Our facility, located in Bandırma, holds a strategic role in Tiryaki Agro's domestic market and export-oriented operations by being at the center of the Marmara Region's logistics network. This facility serves as a transit hub where the entire process—from the entry of feedstock to the shipment of the final product—is executed in an integrated manner, owing to its infrastructure specifically designed for import and export activities.

At this facility, we process cereal products—including wheat, barley, and corn—using high-capacity equipment, as well as feed feedstock and oilseeds, classifying them according to rigorous quality standards. Owing to the integrated laboratory infrastructure, we analyze each product category and ensure the safety and compliance of shipments to both domestic and international markets.

Bandırma's strategic proximity to both road and maritime connections enhances our integration with the ports. Consequently, we can distribute our products efficiently and cost-effectively to all regions of Türkiye and international markets.

The operations conducted at the Bandırma Facility also reinforce the contract farming model established with farmers in the Trakya and Marmara regions. By sourcing premium-quality feedstock from these areas, we facilitate collaborations that bolster the local economy. Our presence in Bandırma reflects not only our production capacity but also our logistical proficiency and agricultural coordination expertise.

Çorum Facility

Our facility in Çorum constitutes one of the most critical links in our global value chain due to its organic production capacity. Specializing in the manufacturing of organic sunflower oil and soybean meal, we have structured this facility as a co-manufacturing center for Sunrise Foods.

In our facility, we utilize only feedstock sourced from certified suppliers and operate specialized production lines free from chemical additives. Owing to the lot-based traceability system, we transparently monitor the entire process from feedstock to the final product. Within quality control procedures, we consistently measure critical parameters such as **Free Fatty Acid (FFA) and Peroxide Value (PV)**, while rigorously verifying packaging integrity, product purity, and conducting sensory analyses.

Our approach ensures that products certified under BRCGS, Organic, Halal, and Kosher standards reach the US and European markets. The Çorum Facility represents a benchmark in the industry for quality, traceability, and sustainable organic production.

Gaziantep Facility

Our production facility in Gaziantep serves as a strategic hub that integrates our longstanding trade expertise with production capacity. The facility processes key pulses, including red and green lentils, chickpeas, beans, and rice. All operations—including cleaning, grading, polishing, color sorting, and packaging—are conducted in an integrated manner, enabling the delivery of our products to both the domestic market and international customers in bulk and packaged formats.

Our facility also serves a critical function in the processing of animal feed feedstock. Owing to our continuously enhanced infrastructure for sorting and storing products such as wheat bran, barley, and corn, we support the livestock sector in the region.

The logistical advantages of Gaziantep, combined with the strong relationships we have cultivated with our network of producers, position the facility not only as a production center but also as a contributor to regional development.



Giresunport

At Tiryaki Agro, we have transformed Giresunport, which we acquired in 2018, into the foremost logistics hub in the Black Sea through comprehensive modernization investments. With a daily loading and unloading capacity of 10,000 tons and a storage infrastructure of **110,000 tons** certified as organic, Giresunport operates as the world's first port dedicated entirely to handling organic products.

Among the sustainability initiatives we are implementing at this facility is the conversion of diesel-powered cranes to electric models to minimize fossil fuel consumption. Through this transformation, we aim to achieve up to an 85% reduction in energy use. Furthermore, the operation of this new equipment by our women operators serves as a pioneering example that integrates environmental transition with social equity.

Giresunport embodies not only our logistical capacity as Tiryaki Agro but also our vision for environmentally responsible port management. By creating employment opportunities and contributing to trade volume in the Black Sea region, we play an active role in fostering regional economic and social development.

Karacabey Facility

The facility located in Karacabey, Bursa, distinguishes itself with its advanced vegetable oil refinery. Covering an area of approximately **22,000 square meters**, it carries out large-scale production with a daily processing capacity of 185 tons.

At the Karacabey Facility, which has a total storage capacity of 4,200 tons, products

are preserved under safe and hygienic conditions, while quality, efficiency, and traceability are rigorously managed at every stage through state-of-the-art refining technologies. We continue to generate value by integrating our expertise in vegetable oil production with cutting-edge technology.

Karaman Facility

Operating as a feed production facility, the Karaman Plant provides reliable and high-quality solutions to Türkiye's livestock sector through its modern infrastructure, notable production capacity, and quality-oriented approach. Established on an area of approximately 19,900 square meters, the facility operates with **a daily production capacity of 185 tons and a storage capacity of 4,200 tons**, producing premium feed for both cattle and small ruminant breeding.

The company delivers the feed produced at the Karaman Plant to farmers under the brands Arasa, Danem, and Daren. These products, formulated to meet diverse nutritional requirements, are designed to promote productivity, animal health, and sustainable feeding practices.

Within the facility, where rigorous attention is devoted to quality control at every stage of production, we adopt a production philosophy that integrates animal welfare and environmental responsibility in line with sustainability principles. Through the continuous improvement of our operational processes, we provide the sector with dependable and long-term partnership solutions.

Playing a strategic role within the integrated agriculture and feed supply chain, the Karaman Facility continues to contribute to the advancement of Türkiye's livestock industry with its holistic approach that sustains the balance between agriculture and animal husbandry.





Mersin Facility

Our facility, established on a 400-acre site within the Mersin-Tarsus Organized Industrial Zone, stands out not only as Türkiye's largest and most comprehensive legume processing facility but also as an integrated center for the processing, packaging, and storage of a wide range of products under a single roof, making it one of Türkiye's most advanced legume production hubs. Comprising six separate production units, we process chickpeas, lentils, beans, kidney beans, and rice with an annual capacity of 450,000 tons. Through the multi-line packaging systems, we implemented for our brand Hasata during the harvest season, we deliver products to the market in atmosphere-controlled and insect-resistant packaging, ensuring quality and shelf-life integrity.

Our facility also serves as a pioneer in Tiryaki Agro's renewable energy initiatives. The solar power plant, established on a 225-acre site, supplies a strong portion of the facility's electricity requirements, thereby reducing our carbon footprint. Within the scope of our water efficiency programs, we recover process water to save thousands of cubic meters annually. Additionally, through our waste management initiatives, legume shells are repurposed for the feed industry, contributing to the circular economy.

Owing to its strategic proximity to ports, the Mersin Facility has evolved not only as a production center but also as a well-structured export hub. From this facility, products are shipped securely and promptly to the Middle East, Europe, Africa, and Asia.

Türkiye's largest private-sector agricultural enterprise, encompassing an area of 6,500 hectares.

Muş Alparslan Agricultural Enterprise

Our Muş Alparslan Agricultural Enterprise stands out as Türkiye's largest private-sector agricultural enterprise, encompassing an area of 6,500 hectares. At this facility, we not only conduct production activities but also design and implement the agricultural systems of the future in the field.

In addition to cultivating certified seed wheat and barley, we safeguard soil health and optimize productivity through regenerative agricultural practices. Chemical inputs are minimized through the implementation of crop rotation systems, cover crops, biological pest control, and the utilization of nitrogen-fixing plants. Leveraging smart irriga-

tion systems, we achieve 30% water savings alongside a 70% improvement in yield. We intend to extend this model to all cultivated lands by 2035.

With the 20,000-ton licensed warehouse we commissioned in 2025, we are enhancing the logistics capacity of our operations. By reintegrating the fertilizers derived from our livestock activities back into the soil, we strengthen the closed-loop agricultural model. This operation functions as an open-field laboratory, where Türkiye's agriculture is digitalized and data-driven management practices are implemented.

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Contributing to Global Sustainability Goals

The company oversees all operations—from agricultural production and supply chain management to branding and societal engagement—through a comprehensive approach guided by environmental, social, and governance (ESG) principles, with the aim of contributing meaningfully to global sustainability objectives.





The company oversees all operations—from agricultural production and supply chain management to branding and societal engagement—through a comprehensive approach guided by **environmental, social, and governance (ESG)** principles, with the aim of contributing meaningfully to global sustainability objectives.

In the regions where we operate and across all markets in which we are active, we strive to generate measurable value by conserving natural resources, ensuring food security, and promoting social welfare. Through this approach, Tiryaki Agro is committed to delivering global nutrition solutions and fostering the future of food that is in harmony with nature.

Within the framework of the **United Nations Global Compact**, to which we are signatories, we position the **ten principles—rooted** in human rights, ethical governance, environmental stewardship, and equitable labor conditions—at the core of our operations. At Tiryaki Agro, these principles are operationalized not merely as a formal commitment but through concrete practices that generate measurable impacts on the ground.



Energy and Climate

Through our investments in renewable energy, we mitigate our carbon footprint and strive to establish a carbon-neutral structure by 2040. By expanding Solar Power Plant (SES) projects within our production infrastructures, a notable portion of our energy is sourced directly from our own facilities. Our modernization initiatives, which enhance energy efficiency, continuously reduce the carbon intensity of our production processes on an annual basis.



Agricultural Production

In agriculture, our priority encompasses not only high yields but also soil health and long-term productivity. Our approach promotes regenerative agriculture practices, including crop rotation, biological control, climate-conscious fertilization, and the use of cover crops, enhancing product quality and creating production models that operate in harmony with nature. In doing so, we safeguard the enduring productive capacity of farmers and contribute to global food security.



R&D and Innovation

Our R&D and innovation strategy constitutes a critical element of Tiryaki Agro's global supply chain vision. We conduct research and innovation activities not only within production processes but also across an extensive ecosystem encompassing sectors from food to dining, and from energy to the bioeconomy.



We shape our work around four main axes:

Product and Bioeconomy:

We focus on the production of plant-based proteins, alternative protein sources, waste recycling, green chemistry, and the development of feedstock for Sustainable Aviation Fuel (SAF). Through these initiatives, we contribute to both food security and the energy transition.

Supply Chain and Technology:

We enhance efficiency across all our processes, from agricultural production to logistics, by leveraging digitalization, traceability, and data analytics practices. Utilizing geographic information systems, AI-based prediction models, digital agriculture platforms, and smart irrigation solutions, we develop innovative methodologies at every stage of our supply chain.

Green Energy and Circular Economy:

We integrate energy projects with agricultural production, thereby mitigating our carbon footprint through renewable energy investments and promoting a zero-waste production model by repurposing by-products.

We reinforce our R&D activities not only with internal resources but also through collaborations with universities, research institutes, and international partners. In doing so, we continuously generate innovation across a comprehensive spectrum, encompassing new product development, energy projects, logistics optimization, and digital traceability.

Social Contribution and Inclusion:

Our approach to social contribution extends beyond production activities. We assume responsibility across education, social equity, youth development, and local development. We actively foster the participation of women and youth in the agricultural supply chain, and through social compliance programs implemented with our producers in high-risk regions, we ensure fair, safe, and ethical working conditions. By establishing long-term partnerships with local farmers, we contribute to rural development and strengthen their empowerment in knowledge, technology, and market access.

Inspired by our values, the Nigar-Ali Tiryakioğlu Education, Science, and Health Foundation (NATİV), which we established in 2024, constitutes a pivotal element of this vision. NATİV has institutionalized the education and social support initiatives that we have been conducting on a volunteer basis for years, ensuring their sustainability for future generations.

NATİV's vision is to foster a more just and sustainable society, while its mission is to provide young people with diverse educational opportunities, develop programs grounded in scientific thinking, and implement volunteer-based projects aimed at achieving sustainable development goals through social equity. In essence, NATİV represents the institutionalized embodiment of Tiryaki Agro's commitment to social responsibility and our family heritage.

Within this framework, NATİV commenced its journey in supporting youth education by initiating its first collaboration with the Toplum Gönüllüleri Foundation (TOG). In this context, it provides scholarship support to 24 university students, the majority of whom are pursuing engineering degrees. Additionally, through the NATİV Mentorship Program, we offer mentorship and internship opportunities to scholarship recipients.

Supporting the education of young people, advancing social equity, and fostering the development of new generations represents the most consequential form of social contribution for us.

With every initiative we undertake, we strive not only to address today's needs but also to cultivate **a more just, inclusive, and sustainable world for future generations.**



Sustainable Growth Roadmap

In today's world, growth is no longer assessed solely through economic indicators; it derives significance from contributions to nature, people, and society. At Tiryaki Agro, we maintain that long-term success is achievable by utilizing resources responsibly, embracing transformative and innovative technologies, and generating enduring value for all our stakeholders. Accordingly, we are redefining our growth strategies not merely by scale, but through a sustainability-oriented approach that broadens our sphere of impact.

- At Tiryaki Agro, we evaluate our growth not solely by numerical targets but also by our capacity to generate value, positioning sustainability at the core of our growth strategy. This journey, underpinned by operational excellence, lean manufacturing principles, advanced data analytics, automation, artificial intelligence, and robotic solutions, will enable us to utilize resources more efficiently and deploy next-generation solutions with greater agility.
- The key pillars of our sustainable growth objectives encompass deepening supply chain integration, expanding green energy initiatives, promoting regenerative agricultural practices, broadening sourcing activities into new geographies, and processing high value-added products.

By 2030, we aim not only to pursue growth centered on sustainability within the agricultural supply chain but also to drive enduring transformation through the widespread implementation of smart irrigation systems, the scaling of green energy initiatives, and the standardization of regenerative agriculture practices.



Environmental Sustainability



Bioeconomy



Efficiency Improvement



Social Impact

Investment Plans and Strategic Transformation

At Tiryaki Agro, we execute an investment program guided by comprehensive, multi-layered, and strategic priorities to realize our 2030 vision. We design these investment initiatives not only to enhance capacity but also to establish new business models grounded in systemic transformation, competitive advantage, sustainability, and innovation.

We plan to allocate a total investment **of \$1 billion over the next six years**, utilizing this budget not only to expand our existing businesses but also to reinforce the supply chain of future agricultural products and establish sustainable agricultural product systems.



Vertical integration and **value chain control**



Leadership in new geographies and segments



Technology and **sustainability-focused** transformation



Our Strategic Investment Areas

In alignment with our 2030 vision, we are designing our investment plan not only to enhance capacity but also to transform our business model, achieve leadership in global markets, and pursue growth anchored in sustainability.

Within this framework, we plan to allocate approximately \$1 billion over the next six years, directing our investments towards areas that will generate long-term value both in our operational regions and globally. The key focus areas of these investments are as follows:

Agriculture

The largest portion of our investment plans, **totaling \$242 million**, has been allocated to direct agricultural production activities. Within the 6,000 hectares of the 7,500-hectare production area we target, we are implementing smart irrigation systems and digital agriculture technologies. By adopting regenerative practices, carbon retention-focused projects, and contract farming models, we are establishing a framework that not only enhances efficiency but also preserves soil health and promotes sustainable production.

R&D and Innovation

At Tiryaki Agro, R&D investments are concentrated on areas that generate key impact within the agricultural products value chain, with a **\$100 million budget** allocated directly to product development and sustainable production technologies. Our strategic focus areas encompass the development of plant-based proteins, the creation of novel practices for agricultural outputs through biochemical products, innovative solutions for animal nutrition, and the advanced processing of organic products.



Investments in Türkiye

Our planned investment of **\$124 million** in Türkiye is primarily directed toward the development of the Hasata brand, the production of organic flour and oil, securing direct access to retail, and expanding pistachio processing capacity.

Furthermore, our strategy to enter the Chinese market constitutes a strategic milestone in extending our Türkiye-based growth to global markets.

International Expansion

With an investment of \$193 million, we are prioritizing the expansion of our operations in Iran, Iraq, Kazakhstan, Central America, and Africa. In Kazakhstan, we are directing investments toward deep processing and starch production facilities; in Iraq, toward a soybean crushing plant and corn storage facilities; and in Central America and Africa, toward on-site production and processing models.

These investments will establish a solid network that contributes to regional development while mitigating global supply risks.



Sunrise Foods International

With our **\$255 million investment plan**, we aim not only to expand Sunrise Foods International's operations in North America but also to consolidate our global leadership within the organic agriculture and feed supply chain. Today, operating through an integrated network extending from Canada and the U.S. to Türkiye and Europe, Sunrise commands a 25% market share in North America, establishing one of the world's largest organic agriculture chains.

In 2024, we reinforced our vertical integration in the organic feed sector through the acquisition of a majority stake in Ozark Organics, located in Missouri, USA. This facility utilizes organic corn and soybean meal as primary ingredients, particularly in organic feed formulations for poultry. Sunrise's investment allows us to establish a distinctively valuable global value chain encompassing both the organic food and feed segments.

The projected handling capacity of **800,000 tons for Giresunport**, the world's first fully certified organic port located in Giresun as of 2024, demonstrates that this investment concurrently strengthens our logistics infrastructure and provides resilient support to Sunrise operations.

Embracing the vision of being the **“first in, observe, and resolve,”** we enter markets where competitors have yet to establish a presence, securing a position that generates meaningful impact within our industry.

Maritime Transportation and Logistics

Tiryaki Denizcililik, established through our \$105 million maritime investments, has operated since 2019 as a strategic entity supporting our global supply chain. In 2023, approximately 1.5 million tons of agricultural products were transported through this network.

By targeting the addition of four new owned vessels to our fleet by the end of 2025, we are expanding our maritime transportation services provided to both intra-group and third-party clients. Our operations encompass the Black Sea, the Mediterranean, Northern Europe, North and West Africa, and American ports, with regular routes including Mersin, İskenderun, Bandırma, Varna, Constanța, Casablanca, Dakar, and Antwerp.

Strategic Transformation

Our investments represent not only physical capacity but also a systematic transformation. Through this transformation, we aim to fundamentally reconstruct the corporate culture in areas such as operational excellence, digitalization and digital integration, lean management philosophy, carbon footprint reduction and green transformation, Enterprise Resource Planning (ERP), as well as advanced data analytics and automation systems.

Aligned with our strategy of addressing the so-called “unresolved chain links” in the value chain, we acknowledge that on-site processing investments in specialized areas such as soy and shea production in Africa, along with the integration of these chains into global markets, will strengthen our competitive advantage.

We guide our investment strategy not only through rigorous financial analysis but also by our capacity to identify systemic gaps, develop actionable solutions, and scale these solutions effectively. Embracing the vision of being the “first in, observe, and resolve,” we enter markets where competitors have yet to establish a presence, securing a position that generates meaningful impact within our industry.

Tiryaki Agro's investment initiatives and strategic transformation vision exemplify our commitment not only to the coming years but also to future generations. Each phase of this transformation ensures that our company evolves not only in terms of growth but also into a more resilient, agile, and sustainable organization.



Economic Performance and Growth Strategies

- Sustainability Policies and Goals
- Food Safety and Quality Management
- Independent Audit and Certifications





Global Market Strategies and Investments

At Tiryaki Agro, we are constructing a framework that is not merely a component of the global agricultural supply system but actively participates in reshaping this value chain. We are not simply a product-supplying company; we are a global actor that reinforces the chain from its most vulnerable link, establishes an end-to-end system, and ensures its long-term sustainability.

Today, with a global revenue of \$2 billion, we conduct active production, sourcing, and processing operations in multiple countries, including Iraq, Kazakhstan, Ghana, Nigeria, Canada, the USA, Venezuela, and Brazil. We do not approach each market with a uniform model; rather, we implement tailored systems that reflect the

“ Through sustainable growth and reliable financial management, we continuously enhance our economic performance and contribute to Türkiye's national economy while generating value for our stakeholders.

agricultural structures, socio-economic dynamics, and specific needs of each region. Through this approach, we reinforce our global strategy with localized solutions, generating enduring value both in source countries and target markets.

The Umm Qasn Soybean Crushing Facility, launched in Iraq in 2024, exemplifies this approach. Developed with IFC financing, the facility features an annual capacity of 900,000 tons, a storage infrastructure of 126,000 tons, and direct port access.

It has become not only a production hub but also a regional development model due to its advanced logistics capabilities and strategic significance.

Our approach strengthens logistics infrastructure by combining external resources with internal capabilities. In this context, through Tiryaki Denizcilik, which we have established, we aim to expand our fleet to six vessels by 2025.

Currently, with the ships in our fleet, we conduct regular voyages to ports across the Black Sea, the Mediterranean, the Americas, and Africa, while continuously increasing our operational capacity at these ports. Beyond achieving logistical independence, this investment contributes to environmental sustainability by utilizing vessels with reduced carbon emissions and high energy efficiency.



Our investments extend beyond mere volume and distribution capacity; we also strive to lead in domains that will define the future of food. Our investment portfolio, emphasizing areas such as organic farming, plant-based protein, agriculture-driven green energy, and **sustainable aviation fuels (SAF)**, shapes the forward-looking orientation of our business model. Within this framework, through our Tiryaki SAF company, we executed a memorandum of understanding with Tüpraş for the production of sustainable jet fuel from waste oils.

Our subsidiaries in North America, Sunrise Foods International and Ozark Organics, position us among the strongest players in the global organic market. Leveraging these structures, we strengthen our reputation as a reliable supplier of organic cereals, pulses, and oilseeds, establishing ourselves as a leading entity within the global organic food value chain.

In Türkiye, we took a pioneering step in the industry with the facility we established at Ginesun Port, which hosts the world's first infrastructure for organic product handling. With a daily loading and unloading capacity of 10,000 tons and a certified

storage infrastructure of 110,000 tons, we ensure full traceability and certified assurance in the acceptance, storage, and shipment processes of organic products.

The energy transformation initiatives and crane operator education programs focused on employing women implemented at this facility exemplify our commitment to social sustainability. At the core of all these investments lies our objective of developing solutions that address the missing link in each chain.

Through initiatives such as local processing of products like soy and shea in Africa, expanding regenerative practices on our lands in Russia, and disseminating our co-manufacturing model in North America, we are transforming agricultural production and integrating sustainability as a fundamental component of our business model.

Aligned with our 2030 vision, we continue to advance as a global agricultural system architect by **integrating innovation, energy, logistics, and production capabilities into a unified structure**. In each market, we generate long-term value not only through our economic contributions but also through our **social and environmental impacts**.



Sustainability Strategy

- Sustainability Policies and Goals
- Food Safety and Quality Management
- Independent Audit and Certifications





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Sustainability Policies and Goals

As Tiryaki Agro, we embody a vision that redefines sustainability in the agricultural supply chain sector, transforming it from a mere compliance requirement into a business model that generates value on a global scale. For us, sustainability represents a measurable and enduring transformative movement, realized in a seed germinating in the field, a container loaded at the port, and every product crafted on the production line.

In every region where we operate, we drive the transformation not only of our own operations but of the entire ecosystem with which we engage. We are redesigning the entire value chain—from the lands where crops are cultivated to the ports where they are handled, and from our investment initiatives to the employee experience—centered on environmental responsibility, social impact, and the

“ For us, sustainability represents a measurable and enduring transformative movement, realized in a seed germinating in the field, a container loaded at the port, and every product crafted on the production line.

creation of economic value alongside operational efficiency. This approach provides us not only with a competitive advantage today but also with the capability to shape the future agricultural supply chain ecosystem decisively.

Through our energy transition investments, we are establishing the infrastructure for a carbon-neutral future today. Our regenerative agriculture practices ensure the preservation of soil health and productivity, while our circular economy models minimize resource inefficiencies. Through our social inclusion policies, we enhance the participation of women and youth in the agricultural ecosystem and foster social development in the regions where we operate via local producer support programs, sustainable agriculture education, employment opportunities, and regenerative practices. We generate social impact across multiple domains—from education to employment and from

gender equality to youth acquiring vocational skills—while elevating ethical standards in our supply chain and aligning our operations with societal benefit. All of these initiatives are implemented not as isolated projects but as components of an integrated, strategically planned, long-term transformation program.

In this journey, we aim not only to be an active participant in the industry but also **a driving force that shapes the sector, establishes standards, and constructs the future**. Every step we take ensures not only the delivery of contemporary nutrition solutions and food safety but also advances our objective of providing nutrition solutions globally and fostering a food system in harmony with nature, in alignment with our brand purpose.



Energy Transition and Climate Resilience

Energy represents a pivotal factor influencing our environmental impact. Through the **Solar Energy Systems (SES)** established in Mersin and Gaziantep, we fulfill a extensive portion of the energy requirements of our high-volume operations from clean sources.

Our Mersin Facility supports production and storage processes through a self-generating energy model, while at Giresun Port, the transition from diesel to electricity exemplifies a pioneering transformation in agricultural logistics. These investments substantiate that our objective of achieving carbon neutrality by 2040 is not merely aspirational but an advancing reality on the ground.

Scale and Impact in Regenerative Agriculture

As Türkiye's largest private-sector farmer, we have designated our Muş Alparslan Facility as the hub for our regenerative agriculture practices. By implementing crop rotation, nitrogen-fixing plants, biological control methods, and low-input production models, we enhance soil health while simultaneously increasing productivity.

Leveraging our digital irrigation infrastructure, we attain up to 30% efficiency in water usage and reduce approximately 1 ton of carbon emissions per hectare annually. In the forthcoming period, we will deploy systems that enable the measurement of regenerative agriculture in terms of carbon offset, thereby establishing a carbon accounting infrastructure within agriculture. These initiatives lay the foundation for a resilient model that fortifies agriculture against the impacts of climate change.



Resource Efficiency and Circular Economy

The company implements circular economy principles within its production processes to reduce waste and optimize resource utilization. By repurposing by-products generated during the processing of agricultural products as feed inputs, feedstock for fertilizers, or industrial production components, we create additional value. This model, actively deployed at our facilities in Giresun Port, Çorum, and Mersin, delivers both economic and environmental benefits while enhancing system efficiency through the closure of the feedstock loop.

Social Impact and Inclusive Development

Our social sustainability policy is structured with the objective of fostering inclusive development across all regions in which we operate. We prioritize increasing the representation of women employees and redesign our field teams based on the principle of inclusivity. By providing scholarships, internships, and talent pool opportunities to young individuals, we are cultivating our human resources from the present.

Trust and Transparency in the Supply Chain

At Tiryaki Agro, social compliance and environmental impact audits are conducted directly at high-risk sites within the supply chain. We systematically assess our suppliers on matters such as child labor, occupational health and safety, the use of agricultural inputs, and certification adherence, implementing immediate corrective measures when non-compliance is identified. This process is not confined to audits alone; we ensure enduring transformation through capacity-building education programs.

For us, sustainability represents a commitment to the future and the determination to actualize this commitment daily through concrete actions. Every initiative we undertake, every technology we develop, and every partnership we establish not only addresses present-day needs but also advances our objective of building a climate-resilient, equitable, safe, and prosperous future. In the coming years, we will continue to reinforce this model, which redefines the production, security, and supply of agricultural products, leaving a lasting impact in every region where we operate.



Food Safety and Quality Management

Food safety and quality management constitute core priorities within Tiryaki Agro's supply chain policies. All production and processing facilities operate in strict compliance with internationally recognized standards, including **ISO 22000 Food Safety Management System, HACCP, and BRC**. Every stage, from feedstock to the final product, undergoes rigorous inspection in accordance with food safety and hygiene criteria.

Our suppliers, contract manufacturers, and logistics partners are evaluated within the framework of these quality management systems. Nonconformities are systematically monitored through periodic audits, and continuous improvement initiatives are promoted across all operations.

Furthermore, quality certifications and laboratory analyses are meticulously conducted in accordance with the regulatory requirements of the EU, US, and Middle Eastern markets to ensure compliance with the specific standards of each region.

Field Practice: Food Safety Practices at the Çorum Facility

The quality and food safety practices implemented at the Çorum Facility exemplify Tiryaki Agro's approach, which emphasizes traceability in production, product integrity, and rigorous hygiene standards.

- The organic production line is structured as a fully segregated system. Products processed on this line are handled in storage and production areas that are entirely independent from conventional lines.
- All feedstock used are sourced exclusively from certified suppliers; compliance with organic production criteria is strictly monitored from feedstock procurement through the entire production process.
- In the sunflower oil refinery, production is conducted through chemical-free processes, ensuring full adherence to organic production principles.
- Critical quality parameters of oilseeds and meals, such as free fatty acid (FFA) levels, peroxide value (PV), moisture content, and purity, are regularly analyzed both in the in-house laboratory and in accredited external laboratories.
- Hourly samples are collected throughout the production process for each product, and control and analysis procedures are carried out in accordance with established quality thresholds.
- In soybean meal production, quality analyses are performed according to highly precise criteria, such as a 5% live organism tolerance, based on customer specifications.
- Through lot-based traceability systems, all production stages are monitored in a fully traceable manner via both digital systems and manual records. Every step from feedstock receipt to shipment is managed transparently.
- Food safety and quality management processes are maintained in accordance with international standards, primarily ISO. The facility consistently demonstrates high performance in internal and external audits.

Owing to these practices, Tiryaki Agro effectively establishes not only regulatory compliance but also a sustainable and reliable production environment in the field that consistently fulfills elevated customer expectations.



We ensure that all processes undergone by our products, **from feedstock to the final product**, are fully traceable, implementing traceability systems on the ground through tangible practices.

Responsible and Traceability Practices

As Tiryaki Agro, we uphold the principles of transparency, reliability, and social responsibility across every stage of our supply chain. We ensure that all processes undergone by our products, from feedstock to the final product, are fully traceable, implementing traceability systems on the ground through tangible practices.

From Türkiye to Kazakhstan, and from Iraq to Sudan, across all our supply regions, the origin of products, manufacturer information, quality parameters, and shipment processes are documented on a lot-by-lot basis using both digital and manual systems. This structure establishes a fully traceable framework that ensures both food safety and the implementation of sustainable agricultural practices.

The traceability process is implemented with heightened rigor, particularly in organic product lines. Products are procured exclusively from certified suppliers and are segregated in both production and storage areas, while the production and transportation history of each batch is meticulously documented. Documentation and lot numbers certifying the organic nature of the products are systematically applied in all shipments.

Additionally, for customers requiring stringent precision, parameters such as purity, moisture, protein content, and tolerance to living organisms are monitored through specialized analyses at production facilities. The outcomes of these evaluations are systematically recorded as traceable data within both our internal quality management system and on the customer side.

As part of the responsible management of our supply chain, we conduct regular audits of our contracted manufacturers, particularly those operating in regions with elevated social risk, in accordance with environmental and social compliance standards. These audits actively evaluate areas such as child labor, forced labor, environmental compliance, and occupational health and safety; to date, no

non-conformities have been identified in these domains. Our current audit framework is designed to sustainably uphold not only legal compliance but also exemplary ethical standards.

Through this system, we enable the monitoring not only of product quality but also of the production conditions underlying the product, as well as its adherence to human rights and environmental responsibility. In doing so, we manage **food safety, responsible production, and traceability in an integrated and systematic manner**.





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Independent Audit and Certifications

At Tiryaki Agro, independent audit procedures are conducted by the **Audit and Risk Committee**, which operates autonomously from the company's management. This committee, comprising a minimum of two members, predominantly selects its members from the non-executive members of the Board of Directors. It is recommended that at least one committee member possesses expertise and experience in accounting, finance, or auditing.

The committee convenes regularly, four times a year, and establishes its agenda based on the priorities of the Board of Directors. Its responsibilities include:

- monitoring internal audit procedures,
- reviewing internal audit reports,
- extending the scope of audit plans when necessary,
- conducting independent external audit procedures,
- selecting audit firms and overseeing their processes,
- ensuring that measures are implemented against financial, operational, legal, and compliance risks.

The committee plays a pivotal role in ensuring that the company is managed in a transparent, accountable, and sustainable manner.

Tiryaki Agro Certificates

FSSC 22000 – Food Safety Management System

ISO 9001:2015 – Quality Management System

ISO 45001 – Occupational Health and Safety Management System

GMP+ – Good Manufacturing Practices for the Feed Industry

ISO 14001 – Environmental Management System

STAR-K Kosher – Kosher Production Certification

Türkiye Organic Agriculture Certification

USDA Organic – United States Organic Agriculture Certification

EU Organic Production Certification

BRC Food Safety – Food Safety Certification

FQC – Quality Certification

ISO 50001 – Energy Management System

ISO 27001 – Information Security Management System

Zero Waste Certification – A facility-based competency certificate issued by the Republic of Türkiye Ministry of Environment, Urbanization, and Climate Change for the management and recovery of waste

Environmental Permit – An official permit issued by the Republic of Türkiye Ministry of Environment, Urbanization, and Climate Change, documenting the facility's compliance with environmental regulations under Annex-1/Annex-2



Corporate Governance

- Risk and Internal Audit Processes
- Ethical Management and Compliance Policies
- Stakeholder Relations and Customer Satisfaction
- Supply Chain Management
- Strategic Vision and Goals
- Commitment to Sustainability
- Sustainability Committee
- R&D and Innovation in the Value Chain
- Stakeholder Engagement, Memberships, and Collaborations



Risk and Internal Audit Processes

At Tiryaki Agro, a robust risk management culture forms the foundation of our operations. While we meticulously evaluate every opportunity, we assess potential risks with equal rigor, recognizing that sustainable success can only be achieved through the effective management of both opportunities and risks.

With this perspective, we execute our risk management processes in accordance with the Risk Management Policy and related procedures, using this framework as the foundation for our operational and strategic decisions. Company management systematically conducts risk and opportunity assessments for ongoing operations during **Executive Committee, Risk Committee, and Board of Directors** meetings, while analyses for new initiatives are also addressed within these governance structures. Our Risk Committee operates under the leadership of the CEO and is responsible for communicating the decisions made to the relevant departments, as well as monitoring and tracking the implementation of necessary actions. Through this governance structure, we are able to effectively manage environmental and social risks, including climate change, resource scarcity, and supply chain disruptions, within the framework of sustainability.

Our internal audit function operates independently from the company's management structure. The Audit Department reports directly to the Audit and Risk Committee, thereby enhancing the objectivity and reliability of processes. The Internal Audit team performs its duties solely in accordance with established audit principles and standards, operating independently of any external influence or internal pressure. This autonomous structure reinforces both our corporate integrity and our capability to achieve our sustainability objectives.

Ethical Management and Compliance Policies

At Tiryaki Agro, we structure all our business processes upon the principles of transparency, integrity, and accountability. We regard ethical management not merely as a procedure but as an inherent aspect of our corporate culture.

Our Ethics Principles Directive ensures that employees act in alignment with the company's values and operational standards, while requiring our managers to foster equitable and inclusive work environments that reinforce the ethical culture. Within this framework, we diligently manage not only achieving the correct outcomes but also the processes by which those outcomes are attained.

The company informs all employees of the ethical guidelines at the start of their employment. During orientation, the fundamental principles, expected standards of conduct, and potential types of non-compliance are communicated. Employees formally acknowledge their commitment by reviewing and signing the relevant documents.

The Human Resources Department is responsible for coordinating this process, ensuring that the guides remain current, managing internal communication, and planning education programs for designated groups. We sustain awareness through periodic reminders and practical education in areas such as conflict of interest, gift and hospitality policies, and record-keeping and reporting discipline.



Environmental Sustainability



Bioeconomy



Efficiency Improvement



Social Impact



Our approach provides channels that are confidentiality-based, accessible, and supported by independent evaluation, ensuring the secure reporting of unethical conduct. All notifications are documented, assessed in a timely and impartial manner, and a strict prohibition on retaliation is enforced to protect individuals who report concerns. When non-compliance is identified, we implement corrective and disciplinary measures, introduce process and control enhancements to prevent recurrence, and transparently communicate the outcomes to the relevant parties.

In line with our commitment to human rights, we maintain a zero-tolerance policy toward child labor. This principle is not limited to our own operations; we extend it to our suppliers, service providers, and business partners through contractual obligations and explicit expectations. We require third parties to fully comply with applicable regulations, provide safe and equitable working conditions, assume environmental responsibility, and adhere to ethical business conduct. When necessary, we conduct on-site inspections, mandate corrective and preventive actions in cases of non-compliance, and monitor progress.

At Tinyaki Agro, we manage this entire framework with a continuous improvement mindset. In alignment with developments in legislation and industry standards, internal audit outcomes, and stakeholder feedback, we regularly update our policies, monitor our performance using measurable indicators, and report the results transparently. In this manner, Tinyaki Agro sustains a corporate culture that emphasizes not only outcomes but also the process, grounded in trust, accountability, and ethical values.

Stakeholder Relations and Customer Satisfaction

The company regards the relationships it cultivates with all stakeholders across its geographies of operation as fundamental pillars of sustainable success. At every stage of our value chain—from employees to farmers, from suppliers to customers, and from public institutions to non-governmental organizations—we prioritize fostering open, **transparent, and trust-based relationships with all stakeholders.**

Our company's growth strategies are founded on a stakeholder-oriented approach that is attentive not only to economic objectives but also to social and environmental impacts. Consequently, in all decision-making processes, we consider the expectations and requirements of our stakeholders and adopt an inclusive management approach that integrates diverse perspectives.

Owing to our approach that fosters collaboration and constructive dialogue, we develop sustainable solutions with a diverse range of stakeholders, from local producers to global customers, and work collectively to enhance our positive impact on the food supply chain. Specifically, in the regions where we operate, we support farmers' economic, social, and environmental development by establishing long-term partnerships and collaboratively shaping the future of agricultural production.

At Tinyaki Agro, customer satisfaction is considered not merely as an outcome but as a fundamental driver of continuous improvement. In this context, through systematic customer satisfaction surveys, we consistently collect feedback regarding our products and services. The data obtained enables us both to evaluate the quality of our services and to design new strategies that strengthen the customer experience.

By systematically analyzing survey results, we identify opportunities for improvement and continuously refine our processes to deliver an enhanced experience for our customers. Each piece of customer feedback represents a learning and development opportunity for us.

“ The company reports that, based on surveys conducted this year, the customer satisfaction rate has been assessed at **83%.**



Supply Chain Management

As Tinyaki Agro, a fundamental pillar of our sustainability strategy is the management of the entire supply chain in accordance with environmental, social, and ethical principles. We structure our operations primarily around international agricultural trade, processing products sourced from 45 countries, predominantly Türkiye, at our 29 facilities across 11 locations on three continents, and annually delivering over 5 million tons of conventional and organic agricultural products to our customers in 50 countries.

This extensive geographical network entails not only commercial responsibilities but also environmental and social obligations. With this perspective, as Tinyaki Agro, we assess our relationships with all our suppliers not solely based on price and efficiency criteria but also in accordance with sustainability standards, including environmental stewardship, respect for human rights, ethical work practices, and traceability.

Within the framework of our supply chain policy, we implement a zero-tolerance approach, particularly in high-risk areas such as child labor, deforestation, and biodiversity loss.

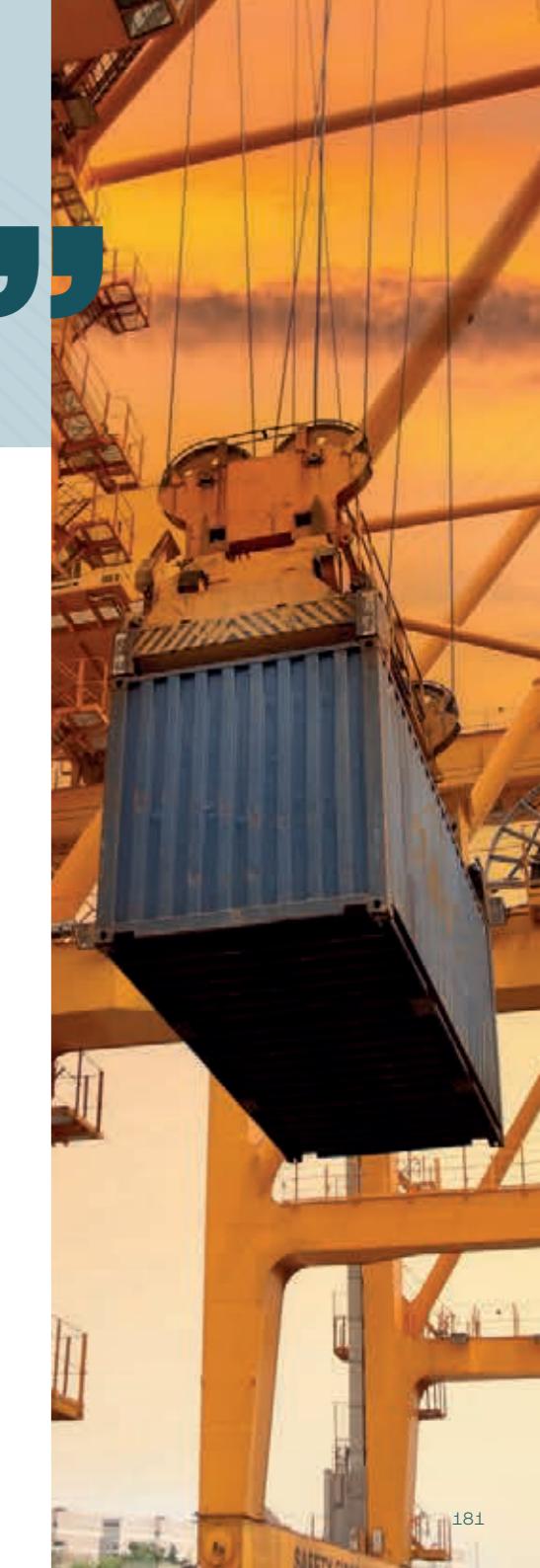
Within our supply chain, we prioritize **the responsible management of environmental and social impacts** and continuously enhance our processes to implement practices aligned with international standards.

At Tinyaki Agro, all suppliers are expected to conduct environmental and social impact assessments, adhere to the code of conduct, and obtain relevant certifications when required.

Within our supply chain, we prioritize the responsible management of environmental and social impacts and continuously enhance our processes to implement practices aligned with international standards.

At Tinyaki Agro, we promote sustainable production methods, good agricultural practices, and quality standards through education programs for our suppliers.

In this context, we support farmers not only in enhancing their productivity but also in minimizing their environmental impact. Accordingly, we ensure both the quality of the products and the long-term sustainability of agricultural production.





We regard ethical management not merely as a procedure but as an inherent aspect of our corporate culture.

Principles of Sustainability in the Supply Chain

At Tiryaki Agro, we regard the supply chain not only as an operational flow but also as a strategic responsibility area encompassing environmental protection, social welfare, and ethical governance. In alignment with this perspective, we implement digital systems that enhance the traceability of feedstock from source to final product, conduct on-site social compliance audits in high-risk areas, maintain zero tolerance for child labor, and ensure safe and equitable working conditions through contractual provisions.

In supplier selection and evaluation, we establish performance criteria based on respect for human rights, resource efficiency, waste management, and the reduction of water and energy intensity. In cases of non-compliance, we mandate corrective and preventive actions and promote sustainable improvement through capacity building and education programs.

By distributing economic added value through long-term collaborations with local producers and cooperatives, we aim to encourage regenerative practices and good agricultural practices, while reducing emission intensity through electrification in logistics and efficiency-oriented solutions. In this manner, we elevate our supply chain to a management standard that is ethical, climate-resilient, and reliable for stakeholders.

The fundamental principles we adopt in this context are as follows:



Sustainable management of natural resources

Production methods that alleviate pressure on water, soil, and biodiversity are promoted. Regenerative agriculture and organic production are prioritized.



Social responsibility and ethical production

Upholding workers' rights, ensuring safe working conditions, and supporting community welfare constitute fundamental principles.



Traceability and transparency

All products are fully traceable from their source to the final consumer.



Climate sensitivity

Initiatives aimed at reducing carbon footprints, implementing agriculture-based energy systems, and adopting low-emission logistics solutions are implemented.



Innovation and R&D

Through the development of new products and advanced processing of agricultural commodities, increased value is delivered both to farmers and end users.

In alignment with these principles, we strive to disseminate this approach not only within our own operations but across the entire supply chain.





Strategic Vision and Goals

At Tinyaki Agro, we regard sustainability not merely as an environmental concern, but as the central axis guiding our strategic decisions. We construct our entire business model on the principles of efficient natural resource utilization, social responsibility, agricultural transformation, and economic sustainability.

The company structures its sustainability strategy around **four principal, complementary pillars: environmental sustainability, the bioeconomy, efficiency enhancement, and social impact**, translating this approach into a framework grounded in measurable outcomes across all operational areas.

We implement tangible measures in energy, water, and emissions management within the framework of **environmental sustainability**. With the solar energy infrastructure established at our Mersin Facility, we generate our own electricity, and through the electric handling systems at Giresun Port, we mitigate our logistics-related carbon footprint.

Aligned with the zero-waste objective, we apply practices such as wastewater recovery and rainwater harvesting. In pursuit of our long-term ambition of a carbon-negative trajectory by 2040, we continue to advance modernization projects at our facilities to enhance energy efficiency.

Through our **bioeconomy** approach, we convert agricultural products not only as feedstock but also into highly processed, value-added, and sustainable inputs. Via Tinyaki SAF, we are developing national capacity for supplying plant-based waste feedstock for sustainable aviation fuel (SAF) production. Furthermore, we provide low-carbon alternatives through initiatives such as the extraction of plant protein sources, the development of organic production infrastructure, and traceable resource management.

Enhancing efficiency constitutes a strategic priority that influences the performance of our entire value chain. By implementing smart irrigation systems, digital monitoring technologies, advanced data analytics, and order-based production models, we reduce resource consumption while simultaneously increasing operational efficiency. Through ERP-MES integration across all our facilities, we ensure that every step—from production to shipment—is measurable and traceable.

At Tinyaki Agro, an approach is applied that fosters inclusive, equitable, and regionally-oriented development within the framework of social impact. We design field-based recruitment strategies to enhance women's employment. Through youth talent programs, social compliance audits, and education initiatives with our suppliers, we aim to achieve a people-centered transformation.

By implementing contract manufacturing models with local producers, we promote economic independence and systematically monitor risks such as child labor and social non-compliance.

Guided by our sustainability strategy structured around these four principal axes, we aim to develop not only the present but also the future of agricultural products and trade in a responsible and resilient manner.



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Commitment to Sustainability

At Tiryaki Agro, we define sustainability not merely as a theme surrounding our activities but as the foundational pillar of our business model.

This approach directs all our decision-making processes, encompassing growth strategies, production technologies, investment planning, and human resources policies.

Our commitment extends beyond mere compliance today; we strive to ensure that future generations have access to safe food, fertile soil, and a habitable environment.



1. Our Principles and Framework Commitment

- We are a signatory of the UN Global Compact; we integrate the ten fundamental principles regarding human rights, fair and safe working conditions, environmental protection, and anti-corruption into the core of our daily business operations.
- Sustainability constitutes the core of our corporate culture and strategy. Every investment, process, and new business model must align with this principle.

2. Our Climate and Energy Commitments

- We will achieve carbon neutrality by 2040 (Scope-1-2). This target will be realized through a combination of energy efficiency measures, renewable energy generation/procurement, and operational transformation initiatives.
- By 2035, we will phase out coal and natural gas in all transportation and production operations.
- By 2027, we aim to reach 51.7 MW of solar and 4 MW of wind installed capacity. This capacity will be deployed particularly in our high-volume facilities, including Mersin and Gaziantep.
- At Giresun Port, we are scaling the program for permanent reduction of emissions intensity in agricultural logistics by expanding the transition from diesel to electric systems.
- In our new investments, energy and carbon impacts will be applied as decision criteria equivalent to financial feasibility (Policy Commitment).



3. Our Agricultural Sustainability and Carbon-Negative Production Commitment

- We position our Muş Alparslan Facility as a hub for regenerative agriculture. We commit to establishing Türkiye's largest carbon-negative agricultural area at this site.
- We scale a model that strengthens soil health through crop rotation, nitrogen-fixing plants, biological protection, and low-input production.
- Through smart irrigation infrastructure, we commit to achieving up to 30% water-use efficiency at Muş, making this a standard there and a target application at other sites.
- We establish a carbon accounting infrastructure in agriculture and pledge to document the annual per-hectare emission reductions of regenerative practices in accordance with national and international standards.

4. Our Commitment to Resource Efficiency and Circular Economy in Production

- Following a zero-waste principle, we systematically reintegrate agricultural processing by-products into the economy as feed inputs, fertilizer feedstock, and for industrial use.
- This approach is active at Giresun Port, Çorum, and Mersin facilities; our commitment is to implement this as standard practice across all main facilities.
- In approvals for new processes or investments, threshold values will be applied for feedstock loss rates, waste recovery rates, and water/energy intensity (Management Commitment).

5. Our Social Impact, Compliance, and Inclusivity Commitment

- We conduct social compliance audits on-site, especially in high-risk regions, and impose our zero-tolerance policy for child labor on our suppliers through contractual provisions. In cases of non-compliance, we implement corrective actions and follow-up mechanisms to ensure sustainable improvement.
- We implement targeted employment and development programs to increase the participation of women and youth in the agricultural value chain.
- We expand the farmer education programs conducted in Tekirdağ and Muş and commit to connecting producers with efficient and environmentally friendly practices.
- We expand violation reporting/complaint channels (including anonymous access) and handle each report with independent review and anti-retaliation assurance (Governance Commitment).

6. Our Traceability and Supply Chain Commitment

- We enhance traceability systems at the product level and scale digital solutions that enable uninterrupted monitoring across sourcing, processing, and logistics stages.
- (Target) We aim to achieve 100% coverage in high-risk origins by expanding the scope of Supplier Code of Conduct and increasing the frequency of social/environmental audits.
- We commit to expanding certification and documentation processes (product, process, social compliance) in alignment with market requirements.





7. Our Governance, Resources, and Implementation Commitment

- Through the Sustainability Committee under the Board of Directors, we manage strategy, risk, targets, and performance, linking unit/department objectives to KPIs annually at the Executive Committee level.
- Capital planning: We allocate multi-year investment budgets to energy efficiency, renewable energy, and circular economy projects, and seek climate and resource efficiency impact scores at the Investment Committee.
- In collaboration with Tüpraş, we continue our commitment to establish a sustainable feedstock supply chain in the sustainable aviation fuel (SAF) ecosystem, prioritizing bioeconomy investments as a corporate imperative.

8. Our Measurement, Verification, and Reporting Commitment

- We monitor energy, emissions, water, waste, and social indicators using standardized methodologies, providing annual reporting to our stakeholders.
- For critical metrics, we implement independent verification (data review/limited assurance) to enhance transparency.
- Our target update principle: As market and technological conditions evolve, we revise our targets upward while ensuring they remain ambitious yet achievable.

9. Timeline and Key Milestones

- 2027: Completion of 51.7 MW solar + 4 MW wind installed capacity, energy monitoring and efficiency projects at main facilities, and 100% social compliance audits in high-risk regions.
- 2030: Documented carbon impact of regenerative practices, high coverage of traceability in key product groups, and structural increase in waste recovery within circular economy projects.
- 2035: Phase-out of all fossil fuels in operations, standardization of electrification/alternative fuel transitions in ports and logistics.

Our commitments constitute a transformation program approved by our governance bodies, with designated responsibilities and performance indicators. Progress will be managed through annual target cards and independent reviews, and results will be reported transparently.

Corrective and preventive mechanisms will be activated to rapidly transform practices that do not

align with our standards; our roadmap will be continuously updated with technology, data, and stakeholder feedback.

In short, we institutionalize a governance approach that manages environmental and social impact alongside financial performance, thereby reinforcing the foundation of long-term value creation for our company.



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact



Sustainability Committee

Our Goals and Focus Areas

As the Sustainability Committee, our objective is to align Tiryaki Agro's strategic vision with global sustainability targets, transform our business model, and generate enduring impacts across the entire value chain.

We regard sustainability not merely as a responsibility domain, but as an essential component of our business operations, and we are developing a comprehensive roadmap that addresses present needs while guiding long-term future outcomes.

Through our committee, we shape our work around Tiryaki Agro's four main focus areas in sustainability:

- **Environmental Sustainability:** We systematically monitor our carbon emissions, establish reduction targets, and enhance our investments in renewable energy. By implementing regenerative agriculture practices, we preserve soil health and mitigate our environmental footprint through improvements in water and energy efficiency.
- **Bioeconomy:** Utilizing our R&D and innovation capacities, we develop plant-based proteins, Sustainable Aviation Fuel (SAF), and alternative agricultural solutions. In doing so, we facilitate the transition to a low-carbon economy and deliver innovative solutions to global agricultural systems.
- **Social Impact:** We implement initiatives that reach a broad spectrum of stakeholders, including employees, farmers, youth, and women. Through programs such as the Farmer Academy, scholarship and mentorship schemes, projects that promote social equity, and collaborations that support local development, we maximize social benefit.
- **Enhancing Efficiency:** We continuously refine our production and supply chain processes, redesign our operations with a zero-waste approach, and optimize resource utilization. This enables us to reduce both operational costs and environmental impacts.



At Tiryaki Agro, we are proud to lead sustainability management under the Corporate Communications and Sustainability Directorate, and to work closely with our Sustainability Committee to embed this vision across the organization.

Our duties and responsibilities are designed to translate Tiryaki Agro's sustainability vision into concrete outcomes on the ground. As a committee, we establish ESG strategies and policies, ensure adherence to national and international standards, conduct systematic reporting, monitor key performance indicators, and implement awareness and education programs for all employees. Additionally, we foster collaboration networks focused on sustainability with our stakeholders, cultivating a shared culture of sustainability throughout our value chain.

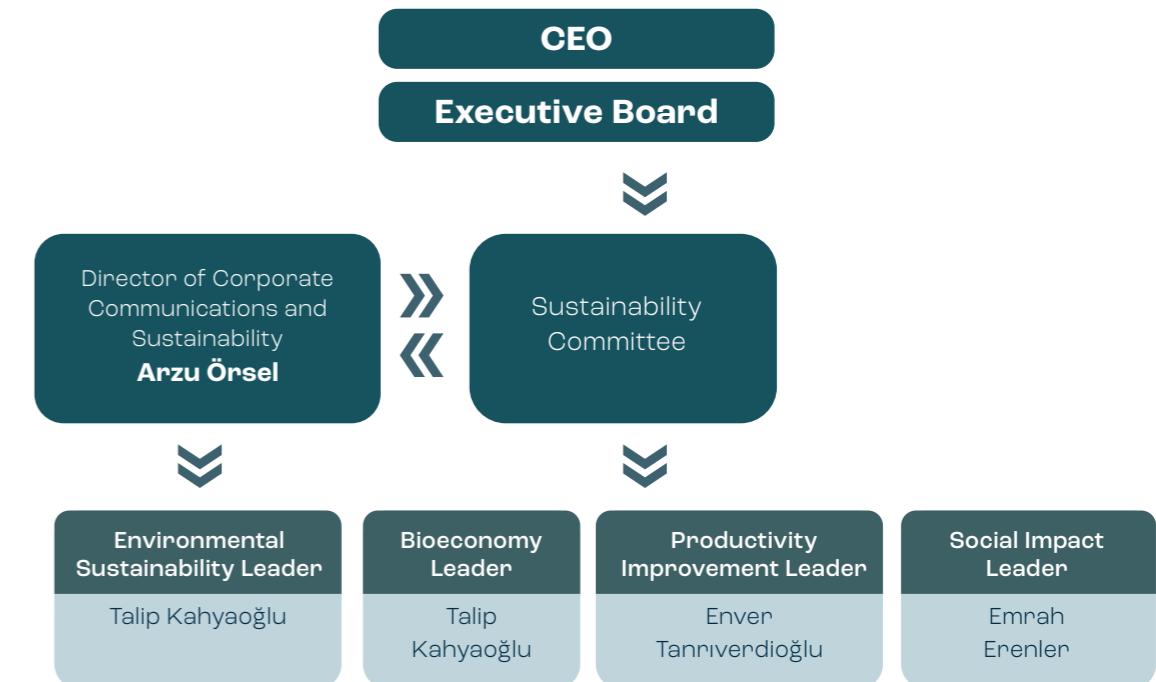
In the forthcoming period, we have planned strategic measures to advance our sustainability journey. These measures encompass more comprehensive quantification of our carbon footprint and the execution of reduction strategies, the scaling of regenerative agriculture practices across different regions, and the acceleration of carbon credit initiatives. In the bioeconomy domain, we intend to commercialize our **plant-based protein and Sustainable Aviation Fuel (SAF)** projects.

From a social impact perspective, we aim to broaden the scope of the Farmer Academy and enhance support programs for youth and women. Regarding productivity enhancement, our priorities include implementing zero-waste practices across our facilities, improving energy efficiency, and deploying new technologies for the circular utilization of water.

Through this comprehensive approach, we embed sustainability across all levels of our organization, establishing a robust framework that shapes both present operations and future development.

Our Organizational Structure and Leadership

Our committee functions under the guidance of the Executive Board representatives and the Directorate of Corporate Communications and Sustainability.





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Our Committee Leaders

Talip Kahyaoğlu

R&D and Innovation Director, Bioeconomy &
Environmental Sustainability Leader

At Tiryaki Agro, R&D and innovation are regarded as among the most influential levers of sustainability. Transformation in the agricultural and food sectors is achievable only through scientific knowledge and innovative practices. Guided by this vision, we have implemented regenerative agriculture at Muş, Türkiye's largest private agricultural land.

By scaling diverse practices—from crop rotation systems to biological pest control, and from nitrogen-fixing plants to precision irrigation methods—we are demonstrating to our farmers “the agriculture model of the future” today.

Concurrently, under the bioeconomy initiative, we are executing projects such as plant-based proteins and sustainable aviation fuel (SAF), while collaborating with universities and international organizations.

These projects not only contribute to the reduction of our carbon footprint but also position Tiryaki Agro as an active participant in the global innovation ecosystem. For us, each project represents not merely a technical output; it constitutes a tangible benefit for farmers, consumers, and nature alike.

Enver Tanrıverdioğlu

Production Director, Efficiency
Improvement Leader

For us, efficiency is not merely about optimizing costs; it is a strategic driver for creating long-term value in an environmentally responsible manner. Every improvement initiative we undertake in our facilities therefore yields dual outcomes: enhanced operational performance and environmental benefit.

For instance, our multi-line packaging system in Mersin simultaneously reduces waste rates and reinforces food safety. The feedstock processing investments at our Gaziantep facility support regional livestock farming while concurrently strengthening product traceability.

Leveraging our logistics advantage in Bandırma, we reduce carbon emissions by decreasing both fuel consumption and supply time. We approach efficiency development as a “continuous improvement culture.” Aligned with our zero-waste objective, we redesign every step—from packaging to storage—and integrate technology alongside our employees, generating strong impact through incremental changes.




**Environmental
Sustainability**

Bioeconomy

**Efficiency
Improvement**

Social Impact

Our Committee Leaders

Emrah Erenler

Recruitment and Organizational Development
Director, Social Impact Leader

All of our initiatives in the field of social impact reflect Tiryaki Agro's commitment to people. Through the education programs provided at the Farmer Academy, we empower our producers not only in advanced agricultural techniques but also in areas such as financial literacy, adaptation to climate change, and resource management. In this way, we transfer the knowledge that will safeguard the future of agriculture directly to the field.

Through our collaboration with NATIV, we provide young people with scholarship support and mentorship opportunities, contributing to the advancement of their careers. Our projects aimed at increasing women's employment reinforce equality within local production networks.

Concurrently, we continuously cultivate an egalitarian and inclusive culture within our organization. We consider social impact not merely as a responsibility toward external stakeholders but as an intrinsic element of how we conduct our business, recognizing that the true influence of sustainability materializes through initiatives that permeate society and tangibly affect individuals' lives.

Arzu Örsel

Director of Corporate Communications
and Sustainability, Committee Leader

The company does not view sustainability merely as a report or an annual statement; it is embedded as an ongoing journey within decision-making processes and organizational culture. Committee leaders prioritize disseminating this journey throughout the network and fostering a sense of shared ownership. In our sustainability endeavors, we encompass every link in the value chain, from farmers to consumers.

We recognize that the regenerative agriculture practices initiated at Muş Alparslan Agricultural Enterprise have tangible impacts on farmers' daily lives, while the solar power plant investments at our Mersin Facility render the energy transition concrete.

The scholarship and mentorship programs provided through NATIV reinforce the social dimension of sustainability. Collectively, these initiatives demonstrate that, as a committee, we not only formulate strategies but also implement tangible change on the ground.

We are convinced that sustainability can achieve enduring results only through narratives, quantifiable outcomes, and transparent reporting.





R&D and Innovation in the Value Chain

The agricultural products sector is undergoing one of the most remarkable transformations in history due to climate change, population growth, finite natural resources, and evolving consumer demands. This transformation is facilitated by innovative solutions that enhance productivity and optimize resource utilization.

Advanced technologies and scientific approaches enable the entire value chain—from agricultural production to logistics, from processing technologies to products reaching the final consumer—to become faster, more flexible, and more resilient.

At Tiryaki Agro, we regard R&D and innovation not merely as supportive components but as strategic capabilities that underpin our business model, strengthen our system, and drive sustainable growth.

At every stage of our integrated supply chain, we advance under the guidance of science, technology, and data-driven management, implementing innovative solutions across all processes from the field to the market.

Integrated Technology and Digital Transformation

With the objective of digitalizing our operations and enhancing automation, we are deploying a broad spectrum of technologies—from the "smart warehouse" system in Giresun to the smart irrigation infrastructure at Muş Alparslan, and from the SAP S/4HANA-based ERP transformation to AI-enabled soil monitoring applications in agricultural fields.

By establishing a global system encompassing over 700 users through our ERP transformation, we optimize processes end-to-end via IoT-based agricultural production, production line integration with Basra MES, digital farmer interaction platforms, and performance systems driven by data analytics. This transformation ensures speed, transparency, and flexibility in decision-making while demonstrably enhancing operational efficiency.

As of 2024, the key initiatives in our digitalization roadmap encompass a cloud-based working environment through the SharePoint transition, internet firewalls and advanced information filtering systems, network infrastructure enhancements, and uninterrupted communication projects.

Through Power BI integration, we render all operational data traceable from a centralized hub.

Within our project management infrastructure, by utilizing the CASCADE system, we concurrently monitor over 150 projects with 42 project leaders and 12 sponsors.

Through our operational excellence initiative, the Tiryaki Excellence Program (TEX), we executed 115 Kaizen initiatives in the first two quarters of 2024 alone, generating savings exceeding ₺15 million and delivering 480 hours of education per person.

Within this framework, implementations such as automation pilot projects in Iraq, MES integrations at our facilities in Türkiye, digital weighing systems in maritime operations, and e-tender platforms exemplify prominent instances of our technology-driven efficiency transformation.

Through these digital transformation initiatives, we not only reinforce our internal processes but also establish a comprehensive integration encompassing our entire value chain, from suppliers to customers, with the objective of positioning Tiryaki Agro as a pioneer in the digitalization of the agricultural products supply chain.



Field-Level R&D and Regenerative Practices

The company positions the Muş Alparslan Agricultural Enterprise as Türkiye's leading hub for regenerative agriculture. Utilizing satellite-based field monitoring, sensor-supported fertilization, crop rotation, cover cropping practices, and biological control methods, we enhance soil health and optimize productivity.

Within the pilot projects we conduct with an R&D orientation, we systematically assess the soil's microbial composition, carbon sequestration potential, and water-use efficiency. These data inform the development of scientifically grounded production models. In this manner, we both reinforce agricultural sustainability and generate scalable best practice examples for our farmers.

Certified Seed and Product Development

Yıldız Bitkisel Ürünler, as one of Türkiye's leading seed producers, generates approximately 15,000 tons of certified seeds annually, representing approximately 7% of private sector production. We conduct 85% of our production at the Muş Alparslan Agricultural Enterprise, where we produce 13,500 tons of certified wheat seeds annually on 6,000 hectares of land. In addition, we implement contract farming on 1,200 hectares in Konya and 300 hectares in Tekirdağ, thereby expanding our production capacity and fostering sustainable agricultural practices. As of today, we maintain a portfolio comprising seven registered wheat varieties and three registered barley varieties.

These varieties are distinguished not only by their productivity and quality but also by their adaptability to diverse climatic and soil conditions. Furthermore, our R&D initiatives continue to focus on certified alfalfa, red lentil, and canola varieties, thereby advancing our capacity to develop resilient and high-performing crops.

In our breeding programs, we implement innovative methodologies in collaboration with universities and public research institutes. By applying rapid mutation techniques, we have succeeded in reducing the development timeline for new varieties from the conventional 12 years to 2 years. This approach facilitates the creation of drought-tolerant, disease-resistant, and high-yielding varieties. For instance, our research on herbicide-resistant lentil varieties provides farmers with an economic advantage in weed management, thereby enhancing overall production efficiency.

According to the data collected from the field, the utilization of certified seeds enables farmers to achieve up to a 20% increase in yield. We systematically record these outcomes and analyze them through advanced technological infrastructures to develop strategies that mitigate production risks both in Türkiye and in international markets.

Advanced Processing Technologies

At our Çorum facility, we implement production systems that adhere to stringent quality criteria. Utilizing metal detectors, X-ray systems, and proprietary machine designs, we ensure compliance with global food safety standards. At both our Çorum and Giresun facilities, we expand product diversity and enhance value addition through advanced processing techniques, including plant protein production, cellulose separation, and oil refining. Through these strategic investments, we reinforce our market competitiveness and strengthen our export capacity.





R&D with a Focus on Sustainability

Our R&D strategically focuses on the valorization of plant waste, the production of sustainable aviation fuel (SAF) feedstocks, circular reuse solutions in accordance with the zero-waste principle, and solar energy investments.

In collaboration with Tüpraş, we are developing an innovative ecosystem in green energy by establishing a sustainable feedstock chain for SAF supply.

These initiatives directly contribute to the reduction of carbon emissions and support the advancement of next-generation energy solutions.

Human-Centered Innovation

Our approach to innovation goes beyond technology and process development, embracing a human-centered perspective. By integrating field observation reports, farmer education programs, employee experience initiatives, and brand development strategies derived from consumer insights, we embed innovation into the core of our social fabric. Through this approach, we transform innovation into an inclusive driver of progress for both our internal stakeholders and the entire value chain.

In alignment with our 2030 vision, our objective is not only to introduce new business models but also to create value at every stage of the agricultural products supply chain, embed sustainability principles at the core of our business practices, and establish an innovative production and supply framework that enhances the resilience of the chain across all regions in which we operate.

For us, innovation extends beyond laboratories; it represents a continuously evolving transformation process that flourishes in the field, warehouse, port, production line, and throughout our logistics networks. Through this approach, we not only prepare the agricultural value chain for the future but also lead the resilient and sustainable advancement of the food ecosystem across all the regions where we operate.



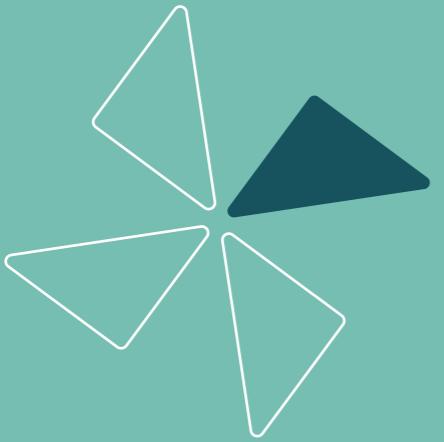
Stakeholder Engagement, Memberships, and Collaborations

As Tiryaki Agro, we believe that the success of our sustainability strategy depends not only on our internal performance but also on the robust, transparent, and long-term relationships we cultivate with our stakeholders. We engage with our broad stakeholder ecosystem—from suppliers and customers to employees, investors, public authorities, and non-governmental organizations—guided by the principles of mutual trust, open communication, and shared value creation.

We do not confine stakeholder engagement to periodic meetings and surveys; instead, we establish a continuous, two-way dialogue system through field visits, on-site evaluations, collaborative project development processes, and structured information-sharing mechanisms. By engaging with producer farmers through a contract farming model, we facilitate knowledge and technology transfer, implement social responsibility initiatives in collaboration with local communities, and partner with academic institutions and research centers in the field of R&D.

At Tiryaki Agro, global best practices are integrated into business processes as members of international platforms such as the UN Global Compact, Sedex, and the GSCP (Global Social Compliance Programme). Collaboration with industry associations, professional organizations, and public institutions on energy, climate change, agricultural sustainability, and social inclusion actively contributes to enhancing industry standards. Looking ahead, we aim to enhance the accessibility and inclusiveness of our stakeholder engagement processes through digital platforms. By broadening our network of memberships and collaborations, we aspire to generate a more notable impact both locally and globally.

Our stakeholders	Communication Method	Communication Frequency
Employees	Educations Internal Information and Announcements Corporate Website Social Media One-on-One Meetings Corporate Publication (Monthly Newsletter) General Assembly Meetings	Continuous Momentary Continuous Continuous Continuous Continuous Annual
Shareholders, Investors, and Analysts	Corporate Website Activity Reports Financial Statements, Independent Audit Reports	Continuous Midterm – End of Year Midterm – End of Year
Customers	Educations Email	Periodic Continuous
Suppliers	SMS Meetings Educations Email	Continuously Continuously - Continuously
Farmers	SMS Meetings Universities – Industry Collaboration Career Fairs	Continuous Continuous Periodic Quite Demanding
Academic Institutions	Career Talks Educations Audit Report Activity Reports	As Requested As Requested As Requested Annual
Public Institutions	Educations	Annual
Sectoral Associations	Educations Working Groups Memberships Activity Report Meetings Press Releases Interviews	As Needed As Needed Annually As Needed As Needed Continuously Continuously
Media Organizations	Activity Reports	Annual
Customers (Distributors & Direct, Chain Stores, etc.)	E-Mail Meeting (Online & Offline)	Continuously Continuously



Decarbonization and Environmental Sustainability

- Carbon Footprint Reduction Strategies
- Energy Efficiency and Use of Renewable Energy
- Emission Reduction Efforts and Climate Policies
- Organic Farming and Regenerative Agriculture Practices
- Smart Agriculture Technologies and Digitalization
- Sustainable Water Management and Responsible Use
- Conservation of Biodiversity
- Soil Management and Responsible Use
- Circular Economy and Waste Management



**Environmental Sustainability****Bioeconomy****Efficiency Improvement****Social Impact**

The agricultural sector is undergoing an inevitable transformation, as it is both a major contributor to and one of the most significantly affected areas by climate change. Challenges such as drought, extreme weather events, soil degradation, and water scarcity continue to exert pressure on agricultural productivity.

Climate projections underscore the urgent need to transition toward more resilient and low-emission systems to secure the sustainable supply of agricultural products. At Tinyaki Agro, we regard being at the core of this transformation—and restructuring our sector and business model to effectively address the climate crisis—as an essential priority.

“With our environmentally conscious production approach that protects natural resources, **we are leaving a sustainable legacy for the future.**

With this approach, we shape our environmental sustainability strategy through a nature-conscious and responsible production mindset. We manage this strategy holistically, encompassing energy efficiency, waste management, the conservation of water resources, and the enhancement of biodiversity.

Our environmental sustainability strategy is structured around the principles of bioeconomy, resource efficiency, and production models designed to generate social impact. It is developed with the objective of minimizing the ecological footprint of our agricultural practices.

In this context, we encourage the use of organic fertilizers and pesticides, and through sustainable agricultural systems supported by mechanical methods, we develop solutions that are responsive to both nature and all living organisms.

This approach, grounded in the preservation of the natural balance, also guides us to assume responsibility for ensuring food security. While adopting sustainable agricultural practices and environmentally responsible production systems, we conduct our operations not only to generate economic value but also to contribute to the well-being of future generations.

By safeguarding the natural balance, we also assume responsibility for ensuring the provision of healthy and nutritious food.

We regard sustainable agriculture and environmentally responsible production systems as means of creating lasting value for future generations, extending beyond mere economic returns.



Carbon Footprint Reduction Strategies

As Tiryaki Agro, we approach the fight against climate change not merely as an adaptation process but with the vision of being an active leader in sectoral transformation. Current trends indicate that achieving net-zero targets in the agricultural products sector constitutes not only a corporate responsibility but also a source of strategic competitive advantage. Within this framework, we are committed to attaining net-zero carbon emissions across all our operational activities.

Towards this objective, we systematically monitor our energy consumption using the **ISO 50001 Energy Management System**, identify inefficiency areas through data-driven analyses, and implement targeted improvement initiatives. Through these energy efficiency measures, we mitigate our carbon emissions while enhancing operational resilience.

Moreover, our investments in areas such as the transition to low-carbon production technologies, process optimization, and the deployment of alternative energy sources constitute the foundation of our strategy to mitigate our carbon footprint. The company considers carbon management not merely an operational requirement but an integral part of its business model. By applying this approach across the entire supply chain, we not only curtail our own emissions but also foster a climate-resilient, low-carbon value chain in collaboration with our stakeholders.



Tiryaki Agro considers carbon management not merely an operational requirement but **an integral part of its business model**.

We regard environmental responsibility as an integral component of all our activities and as one of the fundamental principles of our business conduct. In this context, we commit to:

- Ensuring full compliance with environmental laws, regulations, and directives across all our operations,
- Minimizing negative impacts on the environment by reducing waste generation,
- Promoting sustainable environmental awareness by supporting recycling and reuse practices,
- Developing effective response procedures by predefining environmental protection protocols and instructions for potential emergency situations,
- Encouraging active participation of our employees, suppliers, and all stakeholders in environmental education,
- Continuously improving our production processes to enhance efficiency while reducing energy and feedstock consumption.

At Tiryaki Agro, environmental impacts are regularly measured, and in line with established targets and programs, the **ISO 14001 Environmental Management System** is continuously enhanced to promote an environmentally conscious and sustainable business model.



Energy Efficiency and Use of Renewable Energy

Energy management constitutes a fundamental component of our environmental responsibility and operational efficiency. The increasing demand for energy, coupled with the imperative to mitigate climate change, has rendered the enhancement of energy efficiency and the transition to renewable resources a strategic priority for us. Our approach seeks to mitigate greenhouse gas emissions and improve operational performance through systematic energy management across all activity areas. In this regard, we continuously monitor, assess, and report our energy-related impacts.

Reducing energy consumption and incorporating more sustainable energy sources constitute integral elements of our climate change adaptation strategy and low-carbon development objectives (GRI 305-5). In this regard, we position energy management at the core of our sustainability strategy, acting with a commitment to the efficient utilization of resources, the mitigation of our carbon footprint, and the minimization of long-term environmental impacts.

Energy efficiency constitutes a cornerstone of our sustainability vision. To mitigate our environmental impact and utilize our resources more effectively, we continuously enhance our energy performance. In accordance with our Energy Efficiency Policy, we systematically monitor energy consumption across all facilities and conduct structured evaluation and reporting processes.

We implement efficiency-optimizing practices in energy-intensive areas such as production, heating and cooling, and lighting, prioritizing innovative technologies that reduce energy consumption. Through the improvements implemented in existing systems, we aim to minimize energy losses and optimize our production processes with respect to energy efficiency.

The company regards the transition to renewable energy as a strategic priority. By accelerating our

energy transformation through solar, biomass, and other clean energy sources, we are making strong progress toward achieving our climate objectives.

We aim to satisfy all of our energy requirements with alternatives such as biomass and green ammonia by 2040. In line with this strategy, we plan to invest in 51.7 MW of solar and 4 MW of wind power capacity by 2027. These investments are designed to enable us to source all of our electricity consumption from renewable energy.

 Our approach seeks to mitigate greenhouse gas emissions and improve operational performance through systematic energy management across all activity areas. In this regard, **we continuously monitor, assess, and report our energy-related impacts.**


Our 2024 data

Facilities	Electric/kWh	Coal/ton	Natural gas/m3
Gaziantep	14,299,015.08	15,742.74	685,542.83
Gaziantep Organic	1,117,857.40	-	-
Mersin	5,698,360.00	-	-
Bandırma	2,113,614.21	-	3
Karacabey	778,495.46	100,250.00	3,780,591.00
Giresun	5,236,454	-	180,000.00
Samsun	14,500.00	-	-
Muş	324,728.00	-	175,756.05
Çorum	10,049,427	-	16,599,001
2024 Total	39,632,451.07	115,992.74	21,420,889.88
2023 Total	20,301,666.00	7,851,986.00	1,486,658.00

Total Emissions (2024)
Scope 1:
**76,721,210
ton CO2e**
Scope 2:
**23,541,738
ton CO2e**

Emission Reduction Efforts and Climate Policies

Reducing greenhouse gas emissions constitutes a key focus area of our sustainability strategy in addressing climate change. In alignment with the **ISO 14001** standard, we systematically monitor our emission performance and implement concrete measures to optimize energy consumption and mitigate our carbon footprint. Concurrently, we prioritize enhancing energy efficiency and expanding our renewable energy investments in accordance with GRI 302.

At Tiryaki Agro, the extensive implementation of low-emission practices is promoted across all stages of the supply chain. Production processes prioritize energy efficiency and the adoption of clean technologies. Climate-related risks and opportunities are evaluated in accordance with GRI 201-2, with science-based, transparent, and quantifiable strategies developed accordingly.

As Tiryaki Agro, we are executing a strategic transformation plan to reduce our Scope-1 emissions. Within this scope:

- We target replacing 50% of fossil fuel consumption with biomass by 2030.
- By 2035, we intend to fully transition to biomass and green ammonia, completely phasing out coal and natural gas.

To mitigate our Scope 2 emissions, we are implementing strong renewable energy investments. Within this scope:

- Through our solar power plant investments in Mersin with an installed capacity of 17.7 MWdc and in Çorum with 2.9 MWdc, totaling 20.6 MWdc, we prevent approximately 17,450 tons of CO2e emissions per year.
- With the additional 31.3 MWdc solar and 4.2 MWdc wind energy investments planned for commissioning by the end of 2025, we aim to achieve 100% renewable electricity utilization.
- Accordingly, by 2026, we plan to supply all of our electricity consumption from our own renewable energy sources.

In addition, in line with the energy efficiency analyses conducted in collaboration with SIEMENS AG, we developed comprehensive efficiency action plans encompassing all facilities and structured these plans as a strategic roadmap for the 2023–2027 period.



Organic Farming and Regenerative Agriculture Practices



At Tiryaki Agro, we perceive regenerative agriculture not merely as a production methodology but also as an embodiment of our responsibility toward the soil, communities, and future generations.

By advancing this approach, we aim to strengthen Türkiye's agricultural production capacity on more sustainable foundations, safeguard a livable world for future generations through soil restoration, and ensure that regenerative agriculture generates transformative impacts both locally and globally.

In today's context, where the ramifications of the global climate crisis are rapidly intensifying, agricultural production systems are among the sectors most impacted by this crisis, while simultaneously being central to its solutions. In response to escalating environmental pressures, practices are required that conserve and restore the natural structure of the soil, support biodiversity, sequester carbon underground, and optimize resource utilization. Within this framework, regenerative agriculture represents an innovative production model that holistically contributes to achieving environmental, economic, and social sustainability.



Regenerative agriculture;

- Improves soil health,
- Supports carbon sequestration,
- Reduces dependence on chemical inputs,
- Conserves water resources,
- Supports biodiversity,
- Enhances farmers' well-being.

As Tiryaki Agro, we prioritize regenerative agriculture as a strategic focus in line with our environmental sustainability vision. To leverage Türkiye's notable agricultural potential using appropriate methodologies, we have initiated a comprehensive regenerative agriculture project on the Muş Plain in the Eastern Anatolia Region.

The project is directly overseen by agronomists, sustainability managers, and regenerative agriculture specialists within Tiryaki Agro. All practices are meticulously documented in accordance with

international verification standards, and the insights obtained throughout this process are consolidated into guidance documents designed to lead the industry.

The main regenerative agriculture techniques we use in the application:

- Use of cover crops
- Intercropping and crop rotation practices
- Compost and natural fertilizer applications

The initiative incorporates advanced technologies, including soil moisture sensors, satellite monitoring systems, and digital farm management platforms.

Through this integration, it enhances the organic matter content of the soil, reduces reliance on chemical inputs, and strengthens decision-making processes with scientifically validated data.



Muş Alparslan Agricultural Enterprise Practice

At Tiryaki Agro, regenerative agriculture has been established as a strategic priority in Türkiye, and in alignment with this vision, Türkiye's largest private sector-supported regenerative agriculture project was launched at the Muş Alparslan Agricultural Enterprise.

This project distinguishes itself by adopting an approach that restores the natural structure of the soil, supports biodiversity, enhances carbon sequestration, and reduces reliance on chemical inputs.

This pioneering project implemented in the Muş Plain, one of Türkiye's regions with high agricultural potential, exemplifies sectoral best practices through its integrated management approach and scale. Initially established on 100 hectares, we aim to progressively expand our operations to 6,000 hectares, thereby enhancing soil productivity and ecosystem health.

The project is meticulously executed by a multidisciplinary team, including field agronomists, regenerative agriculture experts, sustainability managers, and a dedicated project office. This holistic methodology not only increases agricultural output but also establishes the foundation for a resilient and sustainable agricultural infrastructure that will be preserved for future generations.

At the core of our project is the preservation and enhancement of soil health. By applying minimum tillage, crop rotation, nitrogen-fixing cover crops, compost, organic fertilizers, and rotation practices, we increase the soil's organic matter content and improve its water retention capacity. This approach not only enhances agricultural productivity but also ensures long-term soil fertility.

Furthermore, we support all decision-making processes with digital farming solutions. By employing technologies such as soil moisture sensors, satellite-based plant health monitoring systems, and farmer interaction platforms, we carry out production more efficiently, traceably, and in a data-driven manner. Additionally, through AI-supported spraying systems, we intervene only in targeted areas, achieving up to a 90% reduction in chemical usage.

Regenerative practices also represent a model that contributes to climate objectives. While enhancing the organic matter content and carbon sequestration capacity of the soil, we have implemented a carbon certification process in accordance with VERRA's Verified Carbon Standard (VCS) methodology. Conducted under the consultancy of GTE, this process serves as a benchmark in reducing greenhouse gas emissions, representing one of the first carbon farming applications in Türkiye.


Environmental Sustainability


As Tiryaki Agro, we position the project not only in terms of environmental benefits but also as a driver of rural development. Through education and technical support activities for local farmers, we enhance access to knowledge and accelerate the transition from traditional production methods to modern agricultural practices. In this way, we aim to increase the income levels of local communities and foster prosperity in agriculture.

The 1,300-hectare drip irrigation infrastructure implemented at Muş Alparslan Agricultural Enterprise represents one of the largest drip irrigation systems in Türkiye. This system enables up to 30% water savings and up to 70% yield increase. Additionally, we develop new crop patterns adapted to the evolving vegetation conditions resulting from climate change in the region.

The company supports regenerative agriculture initiatives with climate-resilient local seed varieties and contributes through R&D to the dissemination of species that improve soil health.

Our approach involves developing projects that enhance production processes while establishing a reference framework for knowledge and practices that remain limited in Türkiye's regenerative agriculture sector. We systematically document all field data and outcomes, sharing them in a manner that will provide a foundation for both academic research and sectoral roadmaps.


Bioeconomy

Efficiency Improvement


Title	Explanation
Project Location	Muş Alparslan Agricultural Enterprise, Muş Plain
Project Scope	Türkiye's largest private sector-supported regenerative agriculture project
Starting Area	100 hectares (initial phase)
Target Area	Expansion to 6,000 hectares
Soil Health Approaches	Minimum soil tillage, crop rotation, cover crops, use of organic fertilizers, and compost
Productivity Increase	We support soil productivity by increasing organic matter content
Climate Contribution	We have initiated a carbon certification process in accordance with VERRA VCS methodology
Certification Consultancy	Implemented by GTE
Drip Irrigation System	On an area of 1,300 hectares, one of the largest in Türkiye
Water and Yield Performance	30% water savings, up to 70% yield increase
Digital Agriculture Technologies	Soil moisture sensors, satellite monitoring systems, and digital farmer platforms
Use of Artificial Intelligence	Targeted spraying achieving up to 90% reduction in chemical usage
Registered Seed Varieties	7 wheat and 3 barley varieties (cold climate cereals)
R&D Center	New variety development studies in Tekirdağ
Seed Distribution Network	Distributing the seeds produced in Muş across all of Türkiye
Collaborations	Seed breeding studies in collaboration with public research institutes and universities
Local Participation	Providing education and technical support to farmers
Social Contribution	Enhancing access to knowledge, income generation, and rural development
Project Management	Implemented by field agronomists, specialists, and the Project Management Office (PMO)
Sectoral Guidance	Documenting all applications to provide guidance to both the sector and academia



Smart Agriculture Technologies and Digitalization

The agricultural sector encounters multifaceted challenges, including the rising global demand for food, the climate crisis, and the sustainable management of natural resources. Consequently, digital solutions that enhance productivity, mitigate environmental impact, and optimize resource utilization represent not merely technological advancements but also strategic imperatives for the future of sustainable food systems.

At Tiryaki Agro, with this understanding, we place digitalization and smart farming practices at the core of our production systems. In alignment with our vision of shaping the future of agriculture through advanced technologies, we consider digitalization not solely as an operational instrument but also as a fundamental enabler of environmental and social value creation.

At Tiryaki Agro, digital solutions are being advanced to enhance efficiency across the entire supply chain, facilitate governance, and foster innovation. In this context, we actively employ Agriculture 4.0 applications on lands where direct farming is conducted. We systematically analyze satellite and drone imagery, as well as environmental data—including humidity, temperature, and wind—collected from meteorological stations, to support crop development and conduct risk assessments.

AI-supported irrigation systems optimize both the timing and the volume of water applied based on the actual requirements of the crop, thereby reducing water consumption while simultaneously enhancing productivity. Through this approach, we also contribute to the preservation of natural resources.

At our integrated facility located in the Mersin-Tarsus Organized Industrial Zone, we process products using advanced agricultural technologies and monitor all operations end-to-end through high-capacity digital packaging systems and licensed warehouses. By employing drones and IoT devices in this facility, we track agricultural fields in real time, minimizing input waste by supplying water and fertilizers precisely according to crop requirements. Furthermore, through rotational planting practices, we preserve the natural balance of the soil and promote biodiversity.

Digital transformation is not confined to our own production processes; we also strive to promote smart farming technologies through seminars, workshops, and support programs for local farmers. Within this framework, we seek to disseminate technology more broadly and enhance digital agricultural literacy in rural areas by providing farmers with guidance and support regarding seeds, agricultural tools, and equipment.

At Tiryaki Agro, we seek to enhance production quality while minimizing environmental impact by integrating regenerative agriculture principles with technological solutions. Through smart farming applications, we dedicate our full capabilities to shaping the future of sustainable agriculture by ensuring traceability in production, optimizing resource utilization, and adopting an environmentally conscious management approach.



Sustainable Water Management and Responsible Use

Climate change, the increasing risk of drought, and the scarcity of freshwater resources have rendered water management in the agricultural sector more critical than ever.

At Tiryaki Agro, we regard the conservation of water resources not only as essential for the sustainability of our production but also as a strategic priority within the context of ecosystem balance and our social responsibility. We design water management not merely as an operational necessity but as a holistic system aimed at reducing environmental impact, ensuring business continuity, and strengthening food security.

In line with this vision, we are accelerating the transition from conventional irrigation methods to smart and technologically advanced irrigation systems in our field operations. Our Muş Alparslan Agricultural Enterprise, which hosts one of the largest private sector-established smart irrigation systems in Türkiye, serves as the focal point of this transformation. In the Muş Plain, which lacked modern irrigation infrastructure until 2020, we now operate a digitally controlled irrigation system encompassing a total of 65,000 acres of farmland.

This system facilitates the monitoring of soil moisture through sensors, the automated distribution of water according to crop requirements, and the real-time processing of data collected from the field via digital monitoring platforms.

Consequently, it not only ensures major water savings but also implements a production model that is resilient to climate change.

- At our Alparslan Farm in Muş, we have already achieved water savings of 1.5 million tons through our drip irrigation system implemented over a 600-hectare area. Owing to this system, we not only prevent unnecessary water loss but also enhance crop health and overall agricultural productivity.
- Within the next year, we plan to extend this system to an additional 900-hectare area, targeting a cumulative water saving of 2.2 million tons.
- Our approach, which emphasizes water efficiency, constitutes a central element of our 2024–2030 strategic growth plans. Currently, we manage 6,000 hectares of our 7,500-hectare agricultural land under irrigation. Effective water management on these large-scale lands is regarded not only as an environmental imperative but also as a decisive factor in achieving our target revenue of \$239 million.

In addition to field applications, we continuously enhance water management within our in-facility operations. In our production facilities, we prevent unnecessary water consumption through technological solutions such as sensor-operated faucets, leak detection systems, and automatic shut-off mechanisms. Furthermore, we convey employee-generated domestic wastewater to the MOSB Wastewater Treatment Plant under the scope of legal permits, thereby returning it to the environment in a controlled and compliant manner.

At Tiryaki Agro, we approach water management within a holistic framework that extends beyond mere resource utilization to encompass climate-aligned production, environmental impact mitigation, social responsibility, and economic efficiency. In the forthcoming period, we will continue to reinforce the effective management of water—an indispensable component of sustainable agriculture—by further advancing our applications that are sensitive to local water resources, knowledge- and technology-driven, and optimized for high efficiency.

Water Usage	2023	2024	Unit
Total Water Consumption	27,429.00	32,812.00	m ³



With the production carried out on more than 60,000 acres, we are bringing our vision to life of returning carbon to the soil and strengthening the soil ecosystem.

Conservation of Biodiversity

As Tiryaki Agro, we perceive biodiversity not only as a mechanism for safeguarding natural life but also as a cornerstone for the sustainability of agricultural production and food security. In response to threats such as escalating global climate crises, declining soil fertility, diminishing water resources, and the extensive use of synthetic agricultural inputs, we are transforming our production model with a nature-sensitive and biodiversity-conserving approach.

In the agricultural areas where we operate, we implement a sustainable production model by minimizing the application of chemical inputs. Through practices designed to reduce the use of pesticides and synthetic fertilizers, we aim not only to conserve natural resources but also to enhance soil health. Through the production conducted in this manner, we realize our vision of returning carbon to the soil and reinforcing the soil ecosystem.

In our agricultural practices, we prioritize diversified planting techniques that facilitate the simultaneous cultivation of multiple plant species. This approach enhances the soil's nutrient cycle, establishes natural resistance against pests, and

contributes to the preservation of ecological balance. In doing so, we render our production system both more efficient and resilient.

As Tiryaki Agro, we commit to the principles of organic farming and actively promote certified production processes. This approach allows us not only to deliver products that are health-conscious but also to ensure the preservation and continuity of natural life within agricultural ecosystems.

At Tiryaki Agro, regenerative agricultural practices—including crop rotation, direct seeding into stubble, and cover crops—are implemented through our group company Tiryaki Tarım, which supports this approach.

By employing organic fertilizers and adopting a **“zero plant waste”** strategy, we carry out practices designed to protect biodiversity, ensure sustainability, and advance circular agriculture.



Soil Management and Responsible Use

Soil, which constitutes the foundation of agriculture, serves not only as a production medium but also as the origin of life and the food chain. At Tiryaki Agro, we recognize that safeguarding soil health represents a strategic priority, not only as an environmental obligation but also for economic sustainability.

In many of the regions where we operate, soils are increasingly fragile due to climate change, overexploitation, and suboptimal practices. We operate with the conviction that sustainable production can only be achieved through the maintenance of healthy soils.

As a group operating on a global scale, we prioritize long-term productivity and the preservation of ecosystem balance across agricultural lands encompassing hundreds of thousands of acres. The company regards soil management as a cornerstone of its sustainability vision, covering food security, climate change adaptation, and production continuity.

Soil is viewed not merely as an agricultural input but as a natural asset sustaining life across generations. In line with this approach, we develop policies aimed at minimizing the use of synthetic fertilizers and pesticides.

Did you know?

Owing to the diversified planting practices implemented in the regions where Tiryaki Agro operates, we have achieved an average increase of up to 15% in soil organic matter levels. This practice not only enhances soil fertility but also promotes carbon sequestration, thereby contributing to climate change mitigation.

These policies are designed to prevent chemical contamination, preserve the habitats of beneficial soil microorganisms, and maintain the equilibrium of the soil ecosystem. We implement these measures, supported by field-based observations and analyses, in a manner tailored to the specific conditions of each production area.

By employing diversified planting techniques and crop rotation practices, we reinforce the natural nutrient cycle of the soil. Through agricultural methods that restore carbon to the soil, we enhance soil health while contributing to climate change mitigation. Concurrently, these practices improve the soil's water retention capacity, reduce the risk of erosion, and sustain productivity within the framework of environmental integrity.

In soil management, our priorities encompass not only short-term yields but also the long-term balance of ecosystems. Enhancing organic matter content,

protecting biodiversity, preventing erosion, and implementing nature-compatible cultivation techniques constitute the foundation of our approach to environmental stewardship.

The soil structure, which hosts countless organisms ranging from microorganisms and worms to pollinators and plants, is fundamental for the sustainability of the natural cycle. Consequently, we plan every action with consideration for this ecological integrity, focusing not only on current production objectives but also on establishing an agricultural future that is resilient to the climate crisis.

The company considers every practice that contributes to biodiversity protection as an integral element of a holistic development approach, enhancing food security, climate adaptation, and social well-being. For us, safeguarding the soil entails not only maintaining production efficiency but also securing the long-term sustainability of the planet.



Circular Economy and Waste Management

Increasing pressure on natural resources and environmental threats associated with the climate crisis necessitate a fundamental transformation not only in production processes but also in waste management. At Tiryaki Agro, we perceive participation in this transformation not as an option but as an inherent responsibility toward sustainability. We align our operations with circular economy principles, preserving natural resources and ensuring that waste is reintegrated into the production cycle.

In our agricultural products supply chain operations, we regard waste not as a liability to be discarded but as valuable resources to be recovered. By incorporating agricultural by-products generated during our production processes into animal feed production, we simultaneously reduce waste volume and facilitate the reuse of resources. Utilizing advanced processing technologies, we produce value-added products such as starch, glucose, fructose, and gluten from agricultural feedstock, thereby enhancing production efficiency while minimizing potential waste.

Did you know?

At Tiryaki Agro, the systematic waste management practices we implement at our Çorum Facility have been formally recognized with the "Zero Waste Certification" by the Republic of Türkiye Ministry of Environment, Urbanization, and Climate Change. This certificate constitutes an official environmental competency, demonstrating that waste separation at the source, recovery, and disposal are conducted in full compliance with regulatory standards.

Global Impact Is Achievable Through a Circular Approach

Approximately 92 billion tons of resources are consumed worldwide each year, yet only 7.2% of these resources can be recovered through circular economy principles.

Consuming resources at this pace implies that by 2050, humanity will require the resources of three planets.

At Tiryaki Agro, we address this global responsibility by implementing circular economy practices across our supply and production network spanning six continents. By reintegrating waste into the value chain, we simultaneously alleviate pressure on natural systems and generate new opportunities for sustainable growth.



At Tiryaki Agro, plastic and paper waste is channeled back into the economy through authorized and certified recycling companies. At our facilities, waste is separated at the source, and production losses are minimized through stringent quality control processes.

Particularly at our Çorum Facility, hazardous, metal, and packaging wastes are meticulously managed in designated areas. Owing to our source separation, recycling, and legally compliant disposal practices, the facility has been officially certified with the "Zero Waste Certification" by the Republic of Türkiye Ministry of Environment, Urbanization, and Climate Change.

Our approach to waste management is not limited to production alone. At Tiryaki Agro, full compliance with environmental regulations is ensured in all processes carried out at facilities. We safely store our hazardous waste in temporary storage areas in accordance with the Waste Management Regulation published in the Official Journal No. 29314 on April 1, 2015, and we carry out disposal procedures only under the supervision of authorized personnel.

As for our domestic-type waste, we collect it in on-site trash bins and deliver it to regular landfill sites through organized industrial zones. Throughout all these processes, we take precautions against third-party interference and maintain waste management in a transparent and traceable manner.

Our contribution to the circular economy is not limited to agricultural waste alone. One of our group companies, Tiryaki Sürdürülebilir Havacılık Yakıtları Tedarik ve Üretim A.Ş. (Tiryaki SAF), supplies feedstock for the production of environmentally friendly Sustainable Aviation Fuel (SAF) from plant and animal waste, as well as residual oils.

Through these approaches, we aim not only to manage our current waste but also to establish future resource utilization practices on more sustainable foundations.

Our Contribution to the Circular Economy

- We convert agricultural product waste into animal feed.
- Through advanced processing, we obtain value-added products, including starch, glucose, fructose, and gluten.
- We reintegrate plastic and paper waste into the economy via certified recycling companies.
- We produce Sustainable Aviation Fuel (SAF) feedstock from plant and animal waste.
- We safely manage hazardous waste in full compliance with legal regulations.

Our circular economy approach not only redefines waste management at the operational level but also transforms the fundamental building blocks of our business model. At Tiryaki Agro, we design all processes—from feedstock procurement to the delivery of the final product—with a focus on resource efficiency, prioritizing the creation of closed loops rather than linear flows. This approach allows us to mitigate environmental risks while simultaneously generating meaningful opportunities in terms of cost optimization and resource continuity.

At every stage—from the packaging utilized in our logistics chains to the technologies adopted in our production processes—our priority is to prevent waste generation and enhance recovery capacity. Through recovery projects implemented collaboratively with our suppliers, we pursue a systemic transformation across the entire value chain. The next-generation sustainable packaging solutions developed with our business partners reduce resource consumption and lower carbon footprints without compromising product quality. We regard the circular economy not merely as a short-term solution but as a fundamental strategy that will define future competitive advantage.



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Bioeconomy

- Plant-Based Protein Production and Food Innovation
- Sustainable Aviation Fuel (SAF)
- Deep Processing





Bioeconomy: The Economy of the Future

The global bioeconomy market is projected to expand to approximately **\$30 trillion by 2030**. Within the European Union, this sector provides employment for over 18 million individuals and contributes around 9% to GDP.

For Türkiye, the bioeconomy represents a strategic domain that simultaneously fosters rural development and reduces external dependency by transforming the agriculture, energy, agricultural products, and chemical sectors in an integrated manner.

At Tiryaki Agro, the bioeconomy is adopted as an innovative production model that is ecologically responsible and mitigates dependence on fossil resources. This approach, which entails processing renewable biological resources derived from agricultural, forest, and marine ecosystems and reintegrating them into critical sectors such as agricultural products, animal feed, chemicals, and energy, is regarded as **a strategic development instrument that advances both environmental sustainability and economic diversification**.

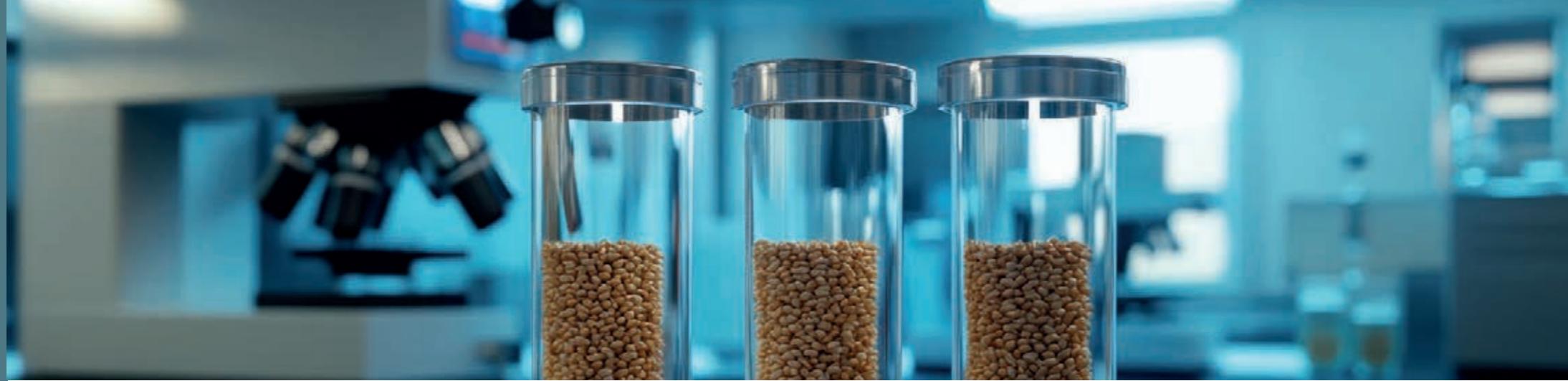


As Tiryaki Agro, we prioritize the versatile and efficient utilization of biological resources in addressing climate change and are steadily expanding our investments that advance green transformation initiatives. Our bioeconomy approach operates in alignment with the circular economy, contributing both to the reduction of carbon emissions and the mitigation of pressure on natural resources.

The reintroduction of plant and animal waste into the economy functions as a critical lever for resource efficiency; as waste is converted into a valuable input, agricultural products and energy systems are rendered more resilient. In this context, we invest in strategic areas situated at the intersection of the agriculture, energy, and chemical sectors. The production of Sustainable Aviation Fuel (SAF), plant-based protein manufacturing, and advanced processing technologies constitute our priority application areas in this domain.

Through our group company Tiryaki SAF, we commercialize environmentally friendly feedstock derived from waste; in doing so, we not only develop alternatives to fossil resources but also contribute to the green economic transformation of both Türkiye and the global community.

Our approach treats the bioeconomy not merely as an expression of environmental responsibility but as a multi-sectoral opportunity supporting a resilient future economy. Through this model, underpinned by scientific research, innovation, and technological advancements, we are redefining economic growth in alignment with natural systems.



Plant-Based Protein Production and Food Innovation

The global population growth, coupled with the impacts of climate change, is rendering the current structure of agricultural product systems unsustainable. According to United Nations data, while the world population is projected to reach approximately 9.8 billion by 2050, this growth is expected to increase the demand for agricultural products by 60–70 percent. This trend, particularly driven by rising animal protein consumption, is simultaneously contributing to a significant escalation of greenhouse gas emissions from agricultural sources.

Currently, approximately 26% of global greenhouse gas emissions originate from the agricultural product value chain, with 14.5% of these emissions directly attributable to livestock activities. The carbon footprint of the livestock sector exceeds the total emissions of the global transportation sector, underscoring the urgent need for innovative solutions to ensure the sustainability of agricultural product systems.

As Tiryaki Agro, we operate with full awareness of this global responsibility, positioning plant-based protein production as a strategic priority for a fair, scalable, and environmentally compatible transformation of agricultural product systems. Among alternative protein sources, plant proteins—recognized for their superior scalability and consumer acceptance—provide a sustainable solution that mitigates environmental impact and enhances resource efficiency.

Through extraction projects such as wheat protein conducted within our production infrastructure in Türkiye and Kazakhstan, we support local producers while providing alternatives with a reduced carbon footprint to the global agricultural product chain. This transformation, driven by agricultural product innovation, not only addresses the protein needs of the future but also contributes tangibly to climate change mitigation, biodiversity conservation, and the enhancement of food security.

Do you know?

Producing 1 kg of beef requires approximately 15,000 liters of water and generates an average of 60 kg of CO₂e emissions.

Plant-based proteins not only significantly reduce greenhouse gas emissions; they also create a strong balance between food security and environmental sustainability with lower land and water usage.

As Tiryaki Agro, with the aim of being one of the pioneers of this transformation, we are expanding our plant-based protein investments both locally and globally.



Raw Material

Conversion of
Raw Material to SAFFuel Delivery
to Airport

Sustainable Aviation Fuel (SAF)

The aviation sector, recognized as one of the most challenging areas globally for carbon emission reduction, is undergoing a notable transformation in alignment with net-zero objectives.

According to the roadmap published by the International Civil Aviation Organization (ICAO), the sector is projected to achieve net-zero carbon emissions by 2050. Among the most effective solutions identified in this context is the production of Sustainable Aviation Fuel (SAF).

At Tiryaki Agro, we operate with the responsibility of being a pivotal contributor to this global transformation. By integrating our expertise in the agricultural products sector with our commitment to environmental stewardship and a circular economy vision, we concentrate on providing feedstock for SAF production.

This type of fuel, derived from sustainable sources such as waste oils, plant residues, cellulosic materials, and household organic waste, represents a robust solution to mitigate climate change, **achieving up to 80% lower carbon emissions compared to conventional fossil fuels**.

In this context, we have established a strategic partnership with Tüpraş, one of Türkiye's foremost energy companies in the sector. Through this memorandum of understanding, which entails an **anticipated investment of approximately \$100 million**, we intend to establish refining and pre-processing facilities that will secure the long-term and reliable supply of feedstock for SAF production. With the supply process scheduled to commence in 2025, we aspire to remain a stable and effective stakeholder throughout the decade-long transformation journey.

Additionally, with our R&D initiatives dedicated to converting plant-based waste into fuel, we continue to develop innovative and environmentally sustainable solutions. By virtue of our SAF investments, we not only contribute to Türkiye's sustainable fuel production capacity but also translate the principles of a circular economy into tangible practices by reintegrating agricultural waste into the economy.

Our work in this domain constitutes a high-impact example, contributing both to the mitigation of environmental effects and to Türkiye's green transformation agenda.

“

Agricultural waste is turning into eco-friendly flights!

At Tiryaki Agro, we are reshaping every value that the soil offers us through a circular economy.



Deep Processing

Global agricultural product systems are experiencing a profound transformation driven by population growth, climate change, the depletion of natural resources, and evolving consumer demands. Within this context, deep processing assumes a pivotal role by not only converting agricultural feedstock into primary products but also isolating high value-added components for food and industrial applications.

Globally, this approach is recognized as a strategic mechanism for enhancing food security, augmenting the economic value of agriculture, minimizing waste, and advancing circular economy objectives.

As part of this global transformation, we have prioritized advanced processing technologies as a strategic focus. By extracting high value-added components such as starch, glucose, fructose, and gluten from agricultural products, we not only reinforce our economic performance but also broaden our product portfolio.

These processes not only enhance product value but also mitigate environmental impact by minimizing waste generation through the revaluation of by-products. In doing so, we align our operations with the principles of a circular economy and promote resource efficiency at every stage of agricultural production.

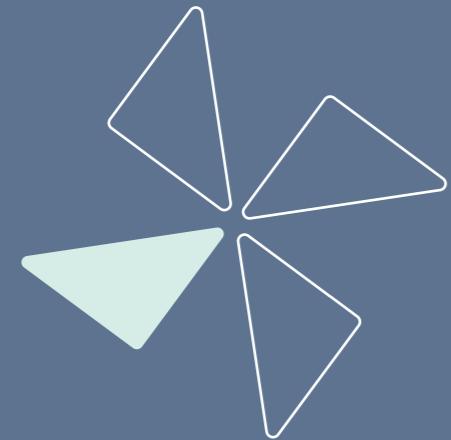
Through our investments in deep processing and the implementation of modern techniques that enhance production efficiency, we achieve material savings in the utilization of natural resources. By repurposing by-products across various sectors, including the feed industry, we generate economic value while simultaneously contributing to the reduction of agriculture's environmental footprint. This approach enables the simultaneous creation of greater value in agricultural product systems and the conservation of natural resources.

In our deep processing activities, which constitute an integral component of our sustainability vision, we closely monitor global technological advancements and integrate them into our operations, thereby vertically enhancing our value chain. Our objective is not only to produce agricultural products but also to transform them in a more efficient, innovative, and sustainable manner, establishing ourselves as a leading entity shaping the future of the agricultural products sector both in Türkiye and in international markets.

Enhancing our capabilities in deep processing not only increases the value of our existing products but also fortifies our competitive advantage in global markets. In doing so, while delivering effective solutions to the rising demand for sustainable agricultural products worldwide, we are positioning Tiryaki Agro as a brand recognized for agricultural innovation, operational efficiency, and environmental stewardship.



In our deep processing activities, which constitute an integral component of our sustainability vision, **we closely monitor global technological advancements and integrate them into our operations, thereby vertically enhancing our value chain.**



Tiryaki Agro's Social Impact Strategy

- Human Rights and Ethical Working Conditions
- Occupational Health and Safety
- Education and Skill Development
- Contribution to Society and Social Responsibility





Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact

Human Rights and Ethical Working Conditions

Responsibility in Every Geography

As Tiryaki Agro, we implement a common Human Rights and Ethical Working Conditions Policy across all our companies. This policy ensures our way of doing business is based on universal principles in all regions.

At Tiryaki Agro, we regard it as our corporate responsibility to implement a fair and inclusive business model that upholds human rights across all regions in which we operate. Throughout every phase of our operations, we not only adhere to national legal requirements but also commit to full alignment with international standards, including the United Nations Global Compact, ILO Fundamental Labor Standards, and the UN Guiding Principles on Business and Human Rights. Through this approach, we foster a transparent and trustworthy business environment that safeguards the rights of our employees and all stakeholders.

Commitment to ethical principles constitutes one of the foundational pillars of our corporate structure. All employees are expected to comprehend, embrace, and act in accordance with the ethical standards upheld by Tiryaki Agro. The embodiment of



Ethics in Every Step

ethical values in daily operations is the responsibility of the entire organization, particularly the leadership teams. We entrust our leaders with fostering a corporate culture grounded in ethical values and ensuring its sustainability. Within this framework, we systematically inform employees about ethical conduct and social responsibility, while continuously structuring our business processes to mitigate potential ethical risks.

The communication of these principles to employees is coordinated by our Human Resources Department. Through our updated recruitment processes and orientation programs, we ensure that all ethical standards are comprehensively conveyed to employees. Simultaneously, we require each employee to sign a written commitment to adhere to these principles. In this manner, the ethical approach becomes an integral component of our corporate culture.

At Tiryaki Agro, the prevention of child labor—a fundamental pillar of ethical standards—is considered a key indicator of respect for human rights, with vigilance consistently maintained in this area. While fully complying with national legislation and regulations, we strictly uphold the principle of not employing individuals under the age of 15. Legal requirements regarding the employment of young workers are rigorously observed. Furthermore, we enforce a zero-tolerance





At Tiryaki Agro, we consistently respect the freedom of association and uphold fundamental human rights by actively supporting it. We ensure that all employees have the right to join labor unions, be represented, and participate in collective bargaining. Furthermore, we adopt an approach that fosters transparent communication within our business processes.

We endeavor to establish a solution-oriented dialogue environment founded on mutual respect and trust between managers and employees. This approach not only strengthens internal communication but also enhances employee satisfaction and corporate commitment.

At Tiryaki Agro, we consider social compliance criteria within our supply chain as an essential component of our sustainability policies. At Tiryaki Agro, regular audits of suppliers' social responsibility practices are conducted to monitor adherence to human rights, ethical principles, and occupational health and safety standards. In instances of non-compliance, we ensure that appropriate corrective actions are promptly implemented. Through this approach, we promote a culture of responsible business practices not only within our own operations but also across the entire value chain, continuously reinforcing a structure aligned with global sustainability principles.

In our operations worldwide, we consider it our fundamental mission not only to create economic value but also to establish a framework that respects human rights, upholds ethical principles, and acts with social responsibility.

In alignment with the United Nations Global Compact, of which we are a member, we place universal principles in areas such as human rights, labor standards, environmental stewardship, and anti-corruption at the core of our activities, proceeding with a continuous improvement approach.

Across all of our production facilities, management centers, and throughout our extensive supply chain, we rigorously adhere to the principles of ethical and social compliance. From our employees to our suppliers, and from local communities to our business partners, we endeavor to cultivate a shared understanding of values grounded in business ethics, equality, voluntariness, and respect for human dignity.

In our globally expanding and diversifying operations, we remain committed to maintaining the same conscientious approach in the future, with the objective of further enhancing the impact of our social initiatives and generating long-term value for our stakeholders. Guided by the principle of **"In Harmony with Nature Everywhere in the World,"** Tiryaki Agro is pleased to inform all stakeholders that we will continue to build a corporate structure that upholds ethical values, respects human rights, and prioritizes social welfare.

As Tiryaki Agro, we are a social company committed to **ethical values, sensitive to human rights, and acting with a sense of social responsibility.**

Wherever in the world we operate, we carry out our work with the same principles, care, and determination.



We are building an organizational culture **where respect, trust, and justice prevail, and differences are transformed into collective success.**



A structure empowered by women's leadership paves the way **for a future founded on equality.**

Diversity, Equity, and Inclusion

At Tiryaki Agro, we are systematically cultivating a corporate culture grounded in diversity, equality, and inclusivity. Our human-centered approach constitutes not only an ethical obligation but also a strategic priority that fosters efficiency, innovation, and sustainable growth across all operations. We strive to establish a work environment where diverse identities, ages, perspectives, and life experiences converge, and where respect, trust, and fairness consistently prevail.

From recruitment processes to education policies, and from career management to performance systems, we prioritize equality and objectivity in all practices. We strive to cultivate an environment where all employees can freely express themselves, showcase their talents, and generate value. In this context, we implement a fair selection process by employing competency-based systems, digital inventories, and measurable assessment tools in recruitment. Through comprehensive orientation programs, mentorship support, and development modules provided to new employees, we facilitate a swift and effective integration into our corporate culture.

This framework, in which we foster the unique contributions of each individual, generates strong synergy within our workforce of 2,300 employees, transforming differences into collective success. For us, diversity is not merely a social responsibility domain; it constitutes the foundation for creativity, agility, and inclusive leadership.

We approach gender equality not merely as a declared principle, but as a strategic management approach that we directly embed in our organizational culture. This perspective is manifested at all levels of Tiryaki Agro. We have established a corporate structure in which women actively hold leadership positions, participate in decision-making processes, and are equitably represented across various functions.

Today, under the umbrella of Tiryaki Agro, numerous women managers actively assume roles in strategic areas such as finance, human resources, sustainability, production, and quality. Our women employees not only fulfill their professional responsibilities but also steer the company's transformation processes and assume active accountability in strategic decision-making. This structure elevates gender equality from a policy declaration to a tangible, living corporate value.

Within our programs that foster women's leadership, we provide mentorship and development support, aiming to advance high-potential women employees to senior positions in their careers. Through our "equal pay for equal work" policy, we ensure equitable income distribution and eliminate gender-based pay disparities. Simultaneously, via specialized education content designed to enhance women employees' participation, we continuously develop their technical and managerial competencies. The most tangible outcome of our efforts is the increasing representation of women across the organization, the emergence of strong women role models, and the institutionalization of gender equality as a standard organizational practice.

Female Executive Ratio:

24%

of executives are women





Women's knowledge, labor, and courage are present at every stage of production.

Our commitment to gender equality extends beyond internal company practices. Tiryaki Agro prioritizes enhancing the visibility and empowerment of women's labor in all regions where we operate. Through this inclusive approach, we implement concrete measures to advance gender equality across every stage of our value chain, positioning women's labor at the core of production.

Number of Employees by Gender (2024)



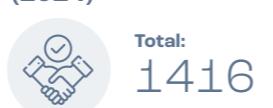
Number of Employees Working as Managers (2024)



Number of Employees by Age Group and Gender (2024)

Age Group	Men	Women	Total
Under 30	276	106	382
30-50	751	167	918
Over 50	97	19	116

Number of Newly Hired Employees (2024)



Gender Equality

As Tiryaki Agro, we regard gender equality as a fundamental component of our sustainability strategy. As a signatory of the United Nations Global Compact (UNGC), we systematically integrate principles of equality and inclusion across all our operations. We implement durable policies and tangible practices to enhance the participation of women in the workforce, support their career advancement, and ensure equal opportunities for all employees.

The company offers specialized education programs, mentoring opportunities, and leadership development initiatives to enhance the professional participation of women employees. Through our leadership-focused programs, we facilitate their progression into senior management positions and enhance the representation of women across our management ranks. Under our equal pay policy, we implement a fair compensation system between women and men employees, thereby preventing gender-based disparities in the workplace.

Through our inclusive human resources policies, flexible working models, equal education opportunities, and family-oriented practices, we promote the active engagement of women in the workforce. We strive to increase women's employment across all operational areas, continuously enhancing our approach by monitoring the proportion of women employees by function and department.

Through the technical education we provide on topics such as certified seed selection, modern planting techniques, efficient irrigation methods, and sustainable agricultural practices, we enhance the productivity of women farmers and reinforce their economic independence. We aim to reach 200 farmers in the 2025–2026 period and 400 farmers in the 2026–2027 period. Within this scope, we conduct on-site farmer visits, hands-on education sessions, and joint education programs in collaboration with Provincial Directorates of Agriculture.

Additionally, through our initiatives that promote women's participation in economic life during post-disaster recovery processes, we reinforce our commitment to gender equality. Following the February 6 earthquakes, in the 11 provinces affected, we contributed to both the economic independence of women and their reintegration into social life by employing women workers for our Hasata brand.

At Tiryaki Agro, diversity and inclusion are recognized as factors that enhance innovation and productivity in the workplace. Accordingly, we remain committed to advancing initiatives that foster women's leadership at every level, ensure equitable opportunities, and reinforce gender equality.



Occupational Health and Safety



We manage our entire value chain in line **with our zero-accident vision and our safety strategies.**

In all locations where we operate, we regard the health and safety of our employees not merely as a legal obligation, but as a core value of our corporate culture. In alignment with our “people first” approach, we implement Occupational Health and Safety (OHS) practices not only protectively, but also preventively, participatively, and through a system oriented toward continuous improvement. Recognizing that a safe work environment is decisive for numerous critical performance indicators, ranging from production quality to employee engagement, we pursue the goal of zero accidents, focusing on fostering and maintaining a healthier and more sustainable working life at every stage.

Our Occupational Health and Safety (OHS) management system is structured in full compliance with ISO 45001 and applicable national and international regulations. Our full-time and part-time OHS specialists, active across all our facilities in Türkiye, play a pivotal role both in ensuring workplace safety and in enhancing employee awareness. OHS committees convene regularly at all production sites, field feedback is systematically evaluated, and appropriate actions are implemented. This structure has developed into a comprehensive safety system encompassing not only our employees but also subcontractor personnel and visitors.

Critical practices, including risk assessments conducted throughout the holding, fire drills, emergency preparedness plans, and Personal Protective Equipment (PPE) management, are executed within the framework of corporate procedures. In 2024, a total of 2,204 hours of occupational health and safety education were

delivered to 240 employees, emphasizing that safety is not solely about compliance with rules but represents a system grounded in knowledge and awareness. Beyond theoretical instruction, these educational programs also encompassed practical scenarios, field-based drills, emergency response exercises, and equipment utilization education.

In addition, the health of our employees at all our facilities is regularly monitored. Assessments such as chest X-rays, complete blood count, ECG, audiometry, lung function tests, HbA1c measurements, and eye examinations are conducted as part of periodic health screenings. These results are securely archived and tracked using digital systems. Through this systematic approach, both the immediate well-being and the long-term welfare of our employees are safeguarded.

The use of Personal Protective Equipment (PPE) at Tiryaki Agro is not limited to the mere provision of equipment; it has developed into an integrated process encompassing task-specific suitability, periodic renewal, usage education, and digital tracking systems. All physical safety measures, including audio and visual warning systems, fire extinguishers, emergency exit signage, and information boards, are implemented across all facilities in full compliance with applicable





Sample Application:

Çorum Facility OHS Model

The Çorum Facility distinguishes itself through risk-based planning, active employee participation, and a continuous improvement approach. The system implemented at the facility clearly demonstrates that Occupational Health and Safety (OHS) is not merely a set of rules to follow, but a corporate value embraced by all personnel.

In the implementation model of our facility:

- Potential risks in operational processes are analyzed periodically, and preventive plans are developed against threats such as equipment failures and supply chain disruptions.
- An organized system for **Personal Protective Equipment (PPE)** has been established, ensuring that each employee receives task-specific PPE, with usage monitoring conducted digitally.
- Education is not limited to standard programs; specialized content, such as the **“Mastery Remedial Program,”** enhances the technical competencies of field employees. Fire drills, hands-on emergency response exercises, and on-site observation activities continue throughout the year.

- Health screenings for all employees are conducted at regular intervals, and test results are systematically archived.
- Through the feedback mechanism established at the facility, employee suggestion boxes are evaluated in collaboration with employee representatives; not only are concerns reported, but solution-generation processes are carried out with active employee participation.
- Subcontractor personnel and visitors are also included within this system, transforming the OHS culture into a shared responsibility that spans the entire facility.

This initiative at the Çorum Facility not only ensures compliance with regulatory requirements but also serves as a benchmark for propagating an institutionalized safety culture across the organization. It stands as one of the leading examples of effectively achieving the zero-accident target throughout the holding.



**Empowering
People,
Ensuring
Safety.**



*In harmony
with nature*

across the world



Sample Application:

Iraq Umm Qasr Facility – OHS Approach

Our facility, established in Umm Qasr—the only deep-water port providing access to the Persian Gulf in southern Iraq—distinguishes itself not only through its production capacity but also by its comprehensive approach to occupational health and safety. Across all operations conducted at the facility, hygiene, safety, and sustainability principles are rigorously prioritized.

Tiryaki Agro Occupational Health and Safety Performance Indicators

Years	Number of Lost Days		Number of Injuries		Accident Frequency Rate	
	2023	2024	2023	2024	2023	2024
Total	0.00	0.00	1.00	1.00	0.00	0.00



Represents one of the strongest examples of an institutionalized occupational health and safety culture in the region through its hygiene, safety, and sustainability-focused practices.

Highlights of the Implementation Model:

- Hygiene and safety standards form the foundation of operations, enabling uninterrupted safe production at the facility's daily processing capacity of 3,000 tons.
- Within the scope of a sustainability-focused approach, electricity consumption of 25 million kWh and fuel consumption of 21,000 tons were monitored throughout 2024, while soy processing by-products were utilized in the animal feed industry to reduce waste.
- In the domain of employee safety and inclusivity, 232 of the 290 personnel are Iraqi nationals. In an industry with traditionally low female employment, women employees are provided with a safe and equitable work environment, setting an example for the sector.
- Established in collaboration with the IFC, the facility not only ensures regulatory compliance but also fosters the institutionalization of a sustainable safety culture by adopting international standards.

The Umm Qasr Facility, alongside its high production capacity and logistics capabilities, represents one of the strongest examples of an institutionalized occupational health and safety culture in the region through its hygiene, safety, and sustainability-focused practices.



Education and Skill Development

As Tiryaki Agro, with our global operations, we serve as a strategic actor within the international agricultural products supply chain. We consider the most crucial factor enabling sustainable success in this global framework to be a highly qualified workforce. Accordingly, the development, engagement, and wellbeing of our employees constitute strategic priorities and are placed at the core of all business processes.

Our approach to education and talent development not only enhances the technical competencies of our workforce but also functions as a fundamental mechanism for preserving corporate culture, reinforcing employee satisfaction, and collectively achieving corporate objectives.

At Tiryaki Agro, we approach employee development not as a unidirectional process of knowledge transfer but as a multidimensional learning culture reinforced by continuous feedback and interaction. Annually, through the Employee Engagement and Satisfaction Survey that we conduct systematically, we assess the employee experience and, based on the insights obtained, develop concrete action plans to advance organizational development.

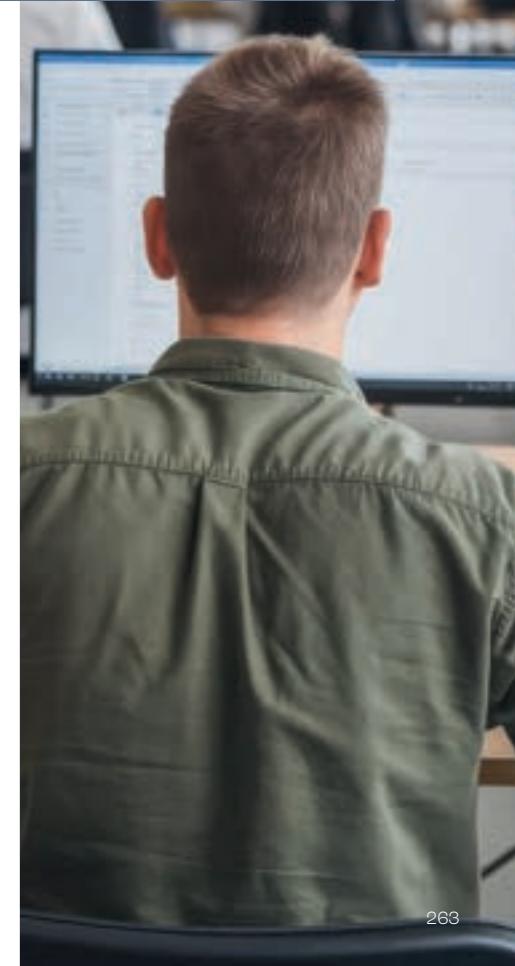
We consider the most crucial factor enabling sustainable success **in this global framework to be a highly qualified workforce.**

In our education processes, we focus not only on professional knowledge but also on 21st-century skills such as leadership, communication, problem-solving, and digital competence. In 2024, we delivered a total of **4,072 person-hours** of education.

All education planning, monitoring, and analysis processes are managed digitally through our Dynamics 365 infrastructure and are continuously enhanced through data-driven decision-making. Furthermore, by mandating occupational health and safety education for all new hires, we establish a systematic and safe working culture.

Maintaining active internal communication, considering our employees' suggestions and expectations, and engaging them in development processes are among the fundamental principles that reinforce organizational belonging.

In 2024
4,072
person-hours
of education





“Future Leaders” Program

The education and development activities conducted under the umbrella of Tiryaki Agro Holding constitute the foundation of our human-centered growth strategy. Within this framework, through our “Future Leaders” program, we aim to integrate young talents into the network at an early stage and cultivate them as future leaders by providing opportunities to experience the company culture directly.

As part of this program, which completed its third term in 2024, nearly 30 young talents joined our teams and were integrated into the organization through on-the-job education. In this context, the program represents not only a component of our recruitment strategy but also a tangible demonstration of our commitment to investing in the future.

Digital Academy: 100+ content in 6 categories

On our Digital Academy platform, which we established to equally address the education needs of our teams operating across different geographies and to democratize access to knowledge, we provide a comprehensive education library containing more than 100 modules under six categories. We designed this platform not only to meet the development requirements of our employees but also to support the long-term capacity-building objectives of our global organizations.

Furthermore, through our leadership development program specifically structured for all managers and senior leaders, we have reached more than 300 individuals to date. By 2025, we aim to further enhance this program and evolve it into a continuous leadership journey encompassing our 40-member senior management team.

The education and development activities conducted under the umbrella of Tiryaki Agro Holding **constitute the foundation of our human-centered growth strategy**

Leadership Development and Shared Vision

In the global business landscape, leadership is no longer confined to a managerial function; it represents a multidimensional discipline requiring competencies such as strategic foresight, sustainability awareness, change management, and cross-functional collaboration. With this understanding, we at Tiryaki Agro approach leadership development not merely as a process of enhancing individual performance, but as a cohesive force that reinforces our corporate vision and values.

The development programs we have designed for our managers embody a holistic structure encompassing not only knowledge transfer but also mentorship, experiential education, and systematic feedback mechanisms. Through these initiatives, we aim to cultivate a consistent and resilient leadership culture across the organization. It is crucial that our leaders internalize the company's core values and effectively convey them to their teams, as this constitutes the foundation of our long-term organizational sustainability.





T-Safe Search and Rescue Program

At Tiryaki Agro, we prioritize not only the continuous development of our employees but also the safety and well-being of the society to which we belong. Considering the disaster risks associated with Türkiye's geopolitical and geographical characteristics, the T-Safe Search and Rescue Program we launched represents a volunteer-based corporate solidarity initiative established with this awareness.

Within the scope of this program, conducted in collaboration with AFAD, we provide our volunteer employees with comprehensive education programs covering subjects such as search and rescue techniques and basic first aid, followed by official certification processes. Through this initiative, we aim not only to strengthen our disaster response capacity but also to foster a culture of solidarity, preparedness, and social responsibility.

At Tiryaki Agro, the T-Safe team is expected to serve as an inspiring example, guiding corporate volunteerism practices in the forthcoming periods.

As a global organization, ensuring equitable access to information for our teams across different geographies, promoting cross-cultural learning, and empowering local talents with a global mindset are among our foremost priorities. We invest in education not merely to enhance employee performance but also to cultivate an inclusive organizational culture in every country where we operate—one that encourages knowledge sharing and collective growth.

With our perspective that regards human resources as a strategic asset, we integrate our high standards in education and development across all our operational regions and collaboratively shape a knowledge-driven organizational structure designed to guide the future.

We aim not only to strengthen our disaster response capacity but also **to foster a culture of solidarity, preparedness, and social responsibility.**

Employee Education – Number of Participants

	2023	2024
Operational Level	42	42
Professional Level	65	65
Women	12	12
Men	95	95

Employee Education – Total Hours

	2023	2024
Operational Level	378	2150
Professional Level	585	8089
Women	108	5930
Men	855	4309

Education Statistics – person*hour

	2022	2023
Total Education Hours (OHS educations are not included.)	963	9,743
Education Provided on Sustainability and Environmental Topics	52	12





Education Programs for Employees and Managers

Education Program	2022 Education Hours	Number of Employees Educated in 2022	2023 Education Hours	Number of Employees Educated in 2023	2023 Education Hours	Number of Employees Educated in 2023
Leadership Program for Work and People	8	82	8	200	-	-
Excel Program	-	-	8	146	8	11
PowerPoint Program	-	-	8	16	-	-
Future Leaders Program	-	-	72	7	8	-
Foreign Trade Program	-	-	8	298	-	-
English Program	8	25	8	61	8	29
Competition Law Program	-	-	2	19	-	-
Orientation Program	-	-	3	97	3	15
T-Safe Search and Rescue Program	-	-	-	-	90	11
Ethical Principles Education	-	-	-	-	-	-

Our Educations

At Tiryaki Agro, we foster an organizational culture that continuously encourages learning and development. Our approach to education programs aims to strengthen employees' professional competencies while creating an ecosystem that evolves alongside producers and business partners. Our primary focus areas for 2025 are structured under three main categories: Digital Academy, In-Class Education, and Legally Required Education Programs.

Digital Academy

As part of our digitalization strategy, the Digital Academy we have implemented provides all our employees with opportunities for learning that are independent of time and place.

- International Integration:** We strengthen cross-cultural knowledge sharing by offering common education platforms to our employees across our global operations.
- New Social Groups and Gamification:** To make our education programs more interactive, we utilize gamification methods that enhance our employees' learning motivation.
- Microsoft Teams Integration:** We integrate learning into daily business processes, creating a more efficient infrastructure for communication and project management.
- New Digital Content:** We continuously develop updated digital materials on critical topics such as sustainability, innovation, and leadership.





We implement a variety of in-class education programs designed to enhance our employees' **personal development, leadership potential, and technical competencies.**

In-Class Education Programs

We implement a variety of in-class education programs designed to enhance our employees' personal development, leadership potential, and technical competencies.

- **Foreign Language Education:** We strengthen multilingual communication capabilities that support our global collaborations.
- **Microsoft Office Education:** We equip our employees with practical skills that increase efficiency in daily business operations.
- **Orientation Program:** We ensure that our new employees quickly adapt to the corporate culture.
- **Managerial and Leadership Development Programs:** We enhance the leadership skills of our mid- and senior-level managers and cultivate the leaders of the future.
- **Sustainability Education:** We raise awareness on Environmental, Social, and Governance (ESG) topics and disseminate our sustainability goals across all teams.

Legally Mandatory Education Programs

At Tiryaki Agro, mandatory education programs are organized to ensure full compliance with national and international regulations in occupational safety, professional competence, and certification processes.

- **Occupational Health and Safety Awareness Education:** We foster a strong culture of occupational health and safety across our operational sites.
- **Professional Competence Certificates and Certification Education:** We document and validate the technical expertise of our employees through structured certification programs.



Farmer Education Programs

Seed Selection and Sowing Techniques

At Tiryaki Agro, farmers are guided in selecting certified seeds with high yield potential, representing the first step toward enhancing agricultural productivity. Detailed recommendations are also provided on optimal sowing depth, spacing, and timing to ensure maximum germination rates.

Soil Health and Fertilization

To improve soil health and enhance agricultural productivity, we offer farmers practical knowledge on balanced fertilization methods. Moreover, by promoting sustainable pest management practices that integrate biological, mechanical, and chemical control methods, we contribute to the adoption of more efficient and environmentally responsible agricultural practices.

Efficient Irrigation Practices

By considering the existing conditions of farms, we aim to optimize water resource utilization through efficient irrigation techniques. We provide farmers with tailored recommendations to improve the efficiency of their current irrigation systems, enabling water conservation and supporting them in enhancing agricultural productivity.

Understanding Animal Nutritional Requirements

At Tiryaki Agro, the nutritional needs of different livestock species are analyzed according to age, activity level, and production objectives, and farmers are provided with comprehensive education on this subject. By helping them accurately determine the nutrients necessary for healthy growth and development, we support their ability to achieve productive and sustainable farming outcomes.

Feed Efficiency and Cost Management

We develop strategies designed to reduce costs and enhance efficiency. Our approach aims to optimize costs while maintaining the balance between animal health and productivity. Through appropriate feeding strategies, we offer farmers more efficient and economically viable solutions.

Use of Technology for Nutrition Monitoring

At Tiryaki Agro, advanced technologies are utilized to monitor feed intake, track weight gain, and adjust feeding programs based on real-time data. This enables us to provide farmers with more accurate and effective nutrition monitoring tools, maximizing animal health and productivity.



Contribution to Society and Social Responsibility

At Tiryaki Agro, we perceive not only commercial success but also our responsibility towards the communities we are part of and the natural environment as integral components of our corporate identity. Through our community engagement initiatives—spanning areas such as education, environmental protection, social solidarity, and disaster relief—we act with an approach that addresses the needs of both the present and the future.

Owing to our social investments that are responsive to local priorities, create lasting impact, and foster inclusive solutions, we enhance individuals' quality of life while simultaneously contributing to the advancement of social welfare. Guided by the vision of shaping the future together, we consider each of our social initiatives a step towards sustainable development, and we continue our efforts with determination to transform Tiryaki Agro's global strength into local value.

We focus on education, **environmental sustainability, and social solidarity**, aiming to deliver long-term contributions to all segments of society.

We enable both individual and collective potential to flourish through **scholarship support for students**, funding for educational institutions, and local environmental projects.

With the objective of enhancing societal welfare, we regard each of our investments as a means of building **a more resilient future**.

Guided by the principle **"Strong Society = Sustainable Future,"** we design all our social initiatives around this balance.

Through the **Koç University Anadolu Scholars Program**, we support young people in achieving their higher education aspirations.

In collaboration with the Türk Kızılayı, we provide scholarships to **more than 100 students annually**, helping remove financial barriers to education.

Through our **"One School, a Thousand Futures" project**, we contribute to creating equitable and high-quality learning environments in two schools in Gaziantep.

Our education initiatives prioritize not only financial assistance but also **equal opportunity and personal development**.

Through these projects, we aim to create **tangible and lasting change** in both individual lives and society as a whole.

Protecting natural resources and promoting **environmentally friendly practices** constitute the cornerstone of our operations.

In collaboration with local communities, we conduct **education and awareness programs** that foster environmental consciousness.

In line with our mission to safeguard ecosystems, we actively contribute to leaving a livable world for future generations.

As part of our social responsibility programs, we also organize essential support such as **housing, nutrition, and education for individuals in need**.

At Tiryaki, we consider all projects that contribute to **social development as a long-term responsibility**.

We provide regular donations to non-governmental organizations such as **Darüşşafaka, Mor Çatı Women's Shelter Foundation, TEMA Foundation, and Kifder**.

Within the scope of **TEMA Foundation's "Run for Goodness" project**, our volunteer employees participated in the Istanbul Marathon to support children's connection with nature.



**Environmental
Sustainability**



Bioeconomy



**Efficiency
Improvement**



Social Impact

Through such projects, we not only generate social value but also **strengthen employee engagement, internal cohesion, and a shared sense of purpose.**

We embrace as a core principle the goal of reaching all segments of society, **improving quality of life, and generating sustainable social value.**

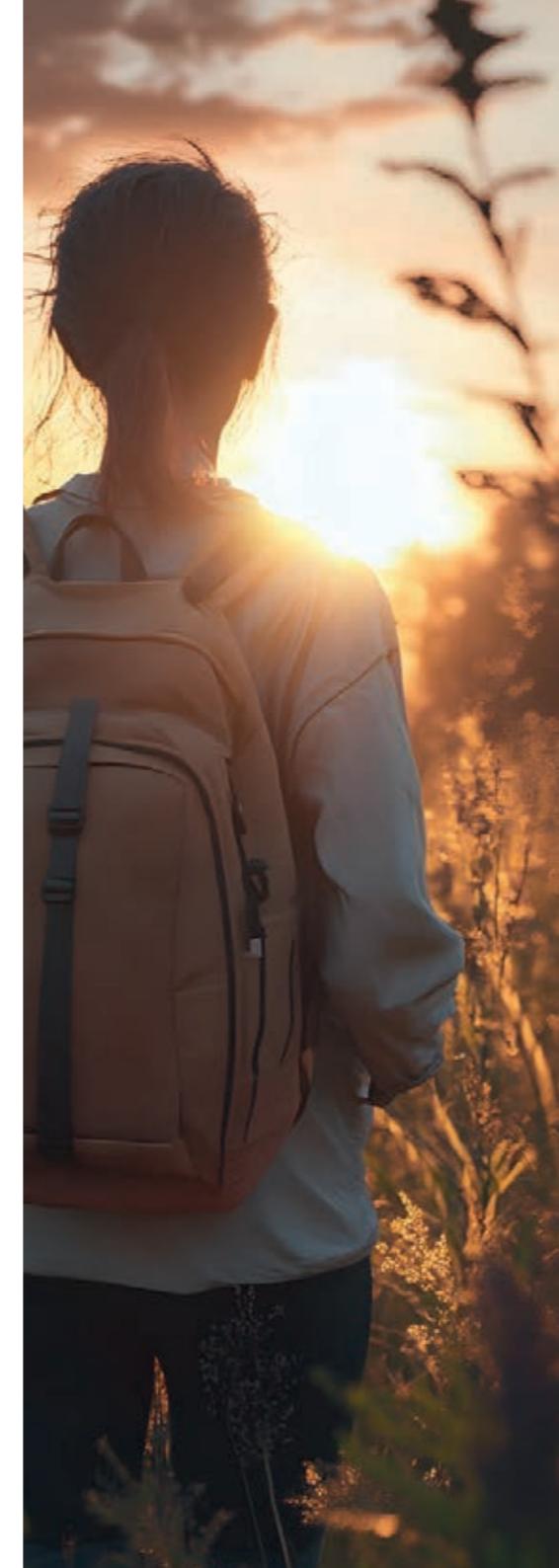
Through our education-focused social responsibility projects, we empower young people's potential and **transform individual success into collective benefit.**

Through our scholarship programs in collaboration with Koç University and the Türk Kızılayı, **we provide hope to hundreds of students striving to overcome financial barriers.**

In extraordinary circumstances such as earthquakes, fires, or illnesses, **we deliver rapid and effective assistance in areas including food, shelter, and education.**

In the coming years, we aim to expand these investments further, reaching **more individuals and generating broader social impact across communities.**

In this context, we will continue to work determinedly to build a more inclusive, just, and sustainable future both in the regions where we are located and on a global scale.



Sample Application:

Support for Youth with the NATİV Foundation

Founded in 2024 by the Tiryakioğlu Family, the Nigar-Ali Tiryakioğlu Education, Science, Health Foundation (NATİV) commenced its activities with the mission to contribute to the education of young people, promote scientific research, support the development of healthy generations, and strengthen social equity. The foundation's inaugural project was implemented in collaboration with the Toplum Gönüllüleri Foundation (TOG).

Within the scope of this collaboration, the project aims to enhance the competencies of young individuals, provide a strong start to their careers, and ensure they receive the necessary support throughout their educational journey. The project provides scholarships to selected university students while delivering education in areas such as psychological resilience, communication skills, teamwork, negotiation, and 21st-century competencies. NATİV further guides young people in preparing for professional life through mentorship and internship opportunities.

For Tiryaki Agro, true success is measured not solely by business outcomes but also by the investment made in the dreams and potential of

young people. This philosophy also guides NATİV's projects. The foundation's first project, implemented in partnership with the Toplum Gönüllüleri Foundation (TOG), offers a comprehensive program that supports young individuals' social, psychological, and professional development in addition to scholarship provision.

Enriched by the innovative education methods of Izgören Akademi and the local support mechanisms of the Üğurböcekleri Association, the program strengthened scholars' academic journeys while providing development opportunities in psychological resilience, communication skills, teamwork, negotiation, and 21st-century competencies.

NATİV continues to offer mentorship and internship opportunities, providing essential guidance as young people step into professional life.

Through this holistic approach, NATİV transforms its projects into lasting and tangible societal impact, touching the lives of young people and contributing to long-term social development.



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



tiryaki agro holding
sustainability
report | 2023-2024



**The collaboration between
farmers and the private
sector.**

Farmer Support Programs and Education

At Tiryaki Agro, we consider one of the fundamental pillars of sustainable agriculture to be the collaboration between farmers and the private sector. The future of agricultural production is shaped by producers who work directly in the field and have access to knowledge, technology, and appropriate resources.

With this perspective, we extend beyond the role of a mere trading company; we implement comprehensive education programs that strengthen farmers' capabilities and support environmentally responsible production.

Each of these programs is designed based on actual field requirements and directly contributes to enhanced productivity, cost efficiency, and the mitigation of environmental impacts.

Agricultural Education and Support Areas

- We connect farmers with digital agriculture practices through sensor-based monitoring systems, remote sensing technologies, and advanced data analytics tools.
- We provide data-driven solutions that support a wide range of decisions, from irrigation scheduling and fertilizer requirements to disease monitoring and harvest planning.
- Through pilot field applications, we enhance farmers' abilities to interpret and utilize data, promoting resource efficiency.
- We deliver certified seed varieties that are regionally adapted, disease-resistant, and high-yielding to farmers.
- We facilitate access to modern machinery, including tractors, planting equipment, and harvesting tools, offering mechanization solutions that improve productivity.
- Through hands-on workshops, we educate farmers on the correct operation and maintenance of machinery.
- To maximize seed performance, we provide field-based guidance on planting depth, row spacing, soil preparation, and timing.
- Our expert teams deliver individualized education on maintaining fertilizer balance, biological control methods, and integrated pest management.
- We provide technical education on drip, sprinkler, and smart irrigation systems to promote efficient water resource management.
- Systems operating in conjunction with soil moisture sensors prevent unnecessary water use, enabling savings in both energy and water consumption. This approach allows farmers to protect the environment while enhancing crop quality.



Environmental
Sustainability



Bioeconomy



Efficiency
Improvement



Social Impact



Every day
that we
add value
to the soil
and
empower
farmers,
we sow
hope for
tomorrow.

Our Education Topics for Livestock Activities

- We provide education under the guidance of our veterinarians on preparing appropriate rations based on animal species, age, and production purpose, analyzing the effects of feed changes, and establishing nutritional balance.
- These education programs contribute to sustainable growth in milk and meat production.
- We instruct farmers on how to utilize local feed resources most efficiently, integrate alternative feed ingredients, and implement feeding strategies that create cost advantages.
- Through practices that strengthen animal immunity and reduce feed waste, we offer economic benefits to our farmers.
- We educate farmers on digitally monitoring animal performance by analyzing data such as weight gain, feed consumption, and milk yield. Farmers are enabled to collect this data on digital platforms and make decisions that enhance farm productivity.

As Tiryaki Agro, we consider ourselves the most reliable partners in the transformation of agriculture. We regard the reinforcement of this partnership through knowledge, technology, and resource support as a strategic corporate priority.

With every education program and support initiative we implement, we not only enhance the production quality of our farmers but also contribute to the development of an environmentally responsible, efficient, and innovative agricultural ecosystem.

In the forthcoming period, we will continue to support farmers with solutions informed by field experience and contribute to the advancement of knowledge-driven, sustainable agriculture.



Future Vision and 2030 Goals

- Trends and Expectations in the Industry





Future Vision and 2030 Goals

As we advance toward 2030, our strategic priority is to establish enduring value chains across diverse geographies, reform unresolved systems, and generate economic, environmental, and social impact at every stage of this transformation. We strive to embody our **“first in, first to see, first to solve”** vision on the ground and convert this proactive approach into sustained success in every market.

In alignment with our brand purpose, we assume responsibility at every link of the value chain through fair, transparent, and sustainable supply practices, delivering nutrition solutions globally and contributing to the future of food that is harmonious with nature.

As Tiryaki Agro, our objective is not only to expand within existing markets but also to transform the global agricultural product supply chain system. Our 2030 vision stems from a multidimensional strategy encompassing food system security, environmental sustainability, advanced technology integration, and inclusive economic value creation. This vision embodies our ambition to serve as a solution-oriented, transformative, and preferred global player in a context where food crises are intensifying, resources are diminishing, and consumer expectations are evolving rapidly.

From operational excellence to green energy, and from regenerative agriculture to high value-added products, our transformation journey emphasizes not only production but also sourcing the appropriate product, at the right location, using the optimal method. We recognize that creating value in the agricultural supply chain is no longer merely an economic consideration; it is also a social, environmental, and strategic imperative.

Strategic Objectives Toward 2030

- Focus on the unresolved links within the supply chain.
- Establish enduring systems in lesser-known and untested geographies.
- Develop an operational infrastructure reinforced by efficiency, resilience, and digitalization.
- Prioritize sustainability through regulatory-leading, traceable, and certified production models.

The foundational pillars of this vision can be summarized as follows:

- **Transformative Agriculture:** With a production target of 7,500 hectares, we uphold natural balance through regenerative and contract farming practices.
- **Innovative Strength:** We invest today in the products of tomorrow through organic protein, plant-based products, bio-industrial solutions, and AI-supported agricultural systems.
- **Global Expansion:** Through our chain-establishment strategy in emerging markets such as Central America, Africa, Central Asia, and the Far East, we expand into new regions, connecting local production with global trade.
- **Green Transformation:** By generating energy from agricultural waste, implementing carbon credit projects, and investing in renewable energy, we ensure not only economic but also ecological sustainability.
- **Corporate Competence:** We continuously enhance our internal capabilities through digital integration, lean process management, advanced data analytics, and organizational resource planning systems.



Trends and Expectations in the Industry

As the agricultural sector advances toward 2030, it is influenced not only by product-oriented dynamics but also by energy policies, environmental considerations, and digital transformation. Structural disparities between developed and developing countries amplify the sector's vulnerability, while global trends and uncertainties play a decisive role in this context.

At Tiryaki Agro, we do not merely observe these changes; we actively steer the process through data-driven insights and solution-oriented strategies. The following provides a summary of the key trends reshaping the industry and the tangible measures we are implementing in response.

Sustainability and Clean Energy: The New Normal in Agriculture

The integration of the agricultural and energy sectors is accelerating. The adoption of solar and feedstock systems in agriculture, energy production from waste, and the utilization of renewable resources are becoming increasingly widespread. Sustainability is evolving from a choice into a responsibility mandated by regulations.

The Rise of Plant-Based Proteins and Shifts in Consumer Behavior

The global shift toward plant-based alternatives over animal proteins is gaining momentum, emphasizing proteins that require fewer resources and have a lower environmental footprint. Niche products respond both to consumer demand and environmental consciousness. Tiryaki Agro leads this transformation by expanding its R&D investments in this domain.

Food Security and Supply Chain Vulnerabilities

The climate crisis, pandemics, and geopolitical uncertainties have highlighted the fragility of global agricultural supply chains. Consequently, "on-site production" and "processing with local resources" models have gained strategic importance. At Tiryaki Agro, we deliver integrated solutions through localized supply chain investments in the Middle East, Africa, Central Asia, and Latin America.

Increasing Regulations in Organic Agriculture

As demand for organic products grows in mass markets, traceability and certification of production processes have become essential. Consequently, stricter regulations and transparency expectations necessitate international compliance. Tiryaki Agro ensures full adherence to global standards through USDA Organic, EU Organic, and Türkiye Organic certifications.

Declining Agricultural Resources and the Need for Efficiency

The reduction of strategic resources such as water, arable land, and rural labor underscores the necessity of technology-driven solutions. Applications including smart irrigation systems, AI-supported models, and geographic information systems enhance productivity. Tiryaki Agro aims to implement smart irrigation infrastructure across 6,000 hectares by 2030.

Logistical Challenges and the Return to Local Production

Transport crises and rising costs in global supply chains demand new logistical solutions. The "on-site processing" strategy reduces logistical burdens and accelerates market delivery of products. Our Iraq Umm Qasr Soy Crushing Facility exemplifies the success of this approach.

Carbon Trading and Agriculture's Role in Climate Finance

The development of carbon markets presents a new economic opportunity through the integration of agricultural activities into climate finance. Producers increasing carbon sequestration via regenerative practices can generate income while contributing to environmental sustainability. Tiryaki Agro enhances both environmental and economic sustainability by expanding such sequestration areas on its farms in Russia.

Population Growth and Regional Demand Variations

Demand for agricultural products does not increase uniformly worldwide. Rapid population growth, particularly in regions such as Africa, emphasizes the need for region-specific agricultural production. Tiryaki Agro addresses these disparities through contract farming models and local sourcing strategies applied across diverse geographies.



Appendices and Contact Information

- Scope and Methodology of the Report
- Abbreviations and Definitions
- Contact and Feedback Channels

