



THE NATURAL UPGRADE

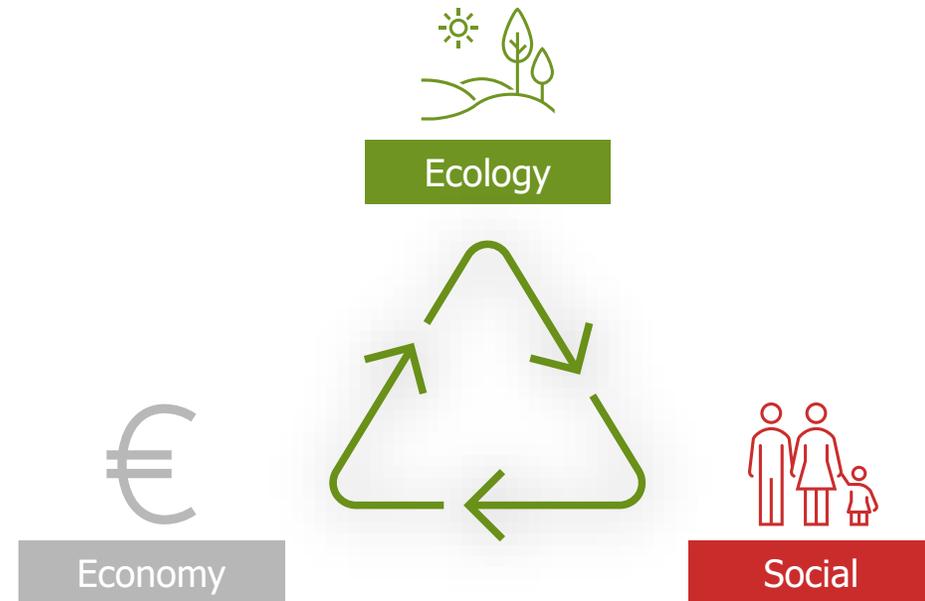
Sustainability along AGRANA's value chain 2024 | 25

(based on 2023|24 data)

AGRANA's understanding of sustainability

At AGRANA, we...

- **utilize almost 100% of the agricultural raw materials** employed, and **use low-emission technologies** in industrial processing to **reduce or avoid impacts on the environment**,
- **respect all stakeholders** and the communities where we operate, directly or indirectly,
- collaborate with suppliers and customers in **long-term partnerships** to jointly foster **business models resilient to climate change**.



Material topics along the value chain



RAW MATERIAL PROCUREMENT

Environmental and social criteria in the sourcing of agricultural raw materials



ECO-EFFICIENCY OF OUR PRODUCTION

Environmental and energy aspects of production



OUR EMPLOYEES

Labour practices and human rights of employees



PRODUCT RESPONSIBILITY

Product responsibility and sustainable products



COMPLIANCE

Compliance and ethical business conduct

Sustainability Reporting:

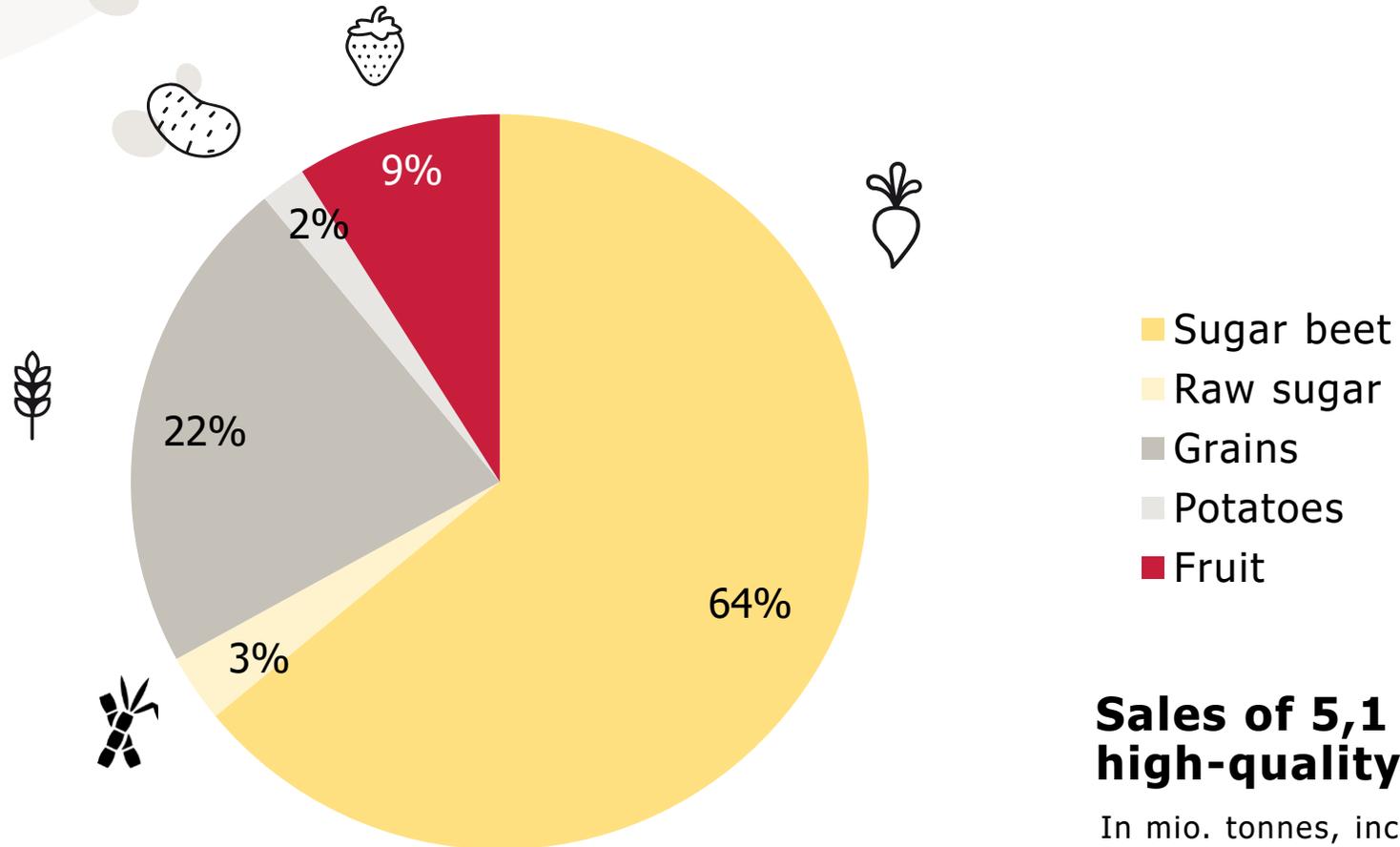
- Acc. to GRI integrated in AGRANA's annual reports since 2012|13
- Taking TCFD recommendations into account since 2019|20
- From 2024|25 implementation of the ESRS according to CSRD



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Environmental & social criteria in raw material procurement

Processing of 9 mio. tonnes of agricultural raw materials



Sales of 5,1 mio. tonnes of high-quality products

In mio. tonnes, incl. 100% of the volumes of the joint ventures HUNGRANA and STUDEN

Engagement in the upstream value chain

Social criteria in procurement

- Reference on **AGRANA Code of Conduct** in AGRANA Principles for the procurement of agricultural raw materials and intermediate products, Terms & Conditions, as well as individual contracts

Environmental criteria in procurement

- **AGRANA Principles for the procurement of agricultural raw materials and intermediate products** (incl. the AGRANA Code of Conduct) in Terms & Conditions as well as individual contracts

Sustainable Agriculture Initiative Platform (SAI)

- **SAI Platform is an initiative of stakeholders of the food industry**, founded in 2002 by Nestlé, Unilever and Danone.
- SAI Platform develops principles and practices of sustainable agriculture
- SAI Platform's **two major tools to document sustainable environmental and social practices in the agricultural value chain**
 - Farm Sustainability Assessment (FSA) depending on fulfilment of criteria each farm receives "Gold", "Silver" or "Bronze" level
 - Benchmarking Tool for international certification standards & national legislation
- Since 2023: verification according to **FSA 3.0**



Farm Sustainability Assessment (FSA) & Benchmarking Tool

- **FSA is a questionnaire** (applicable worldwide), that enables agricultural producers to assess the status of their operations in terms of environmentally and socially sustainable production (109 questions on farm management, soil and nutrient management as well as plant protection).
- **The benchmarking tool** compares requirements of international certification standards with the requirements of the FSA-questionnaire

SAI FSA results

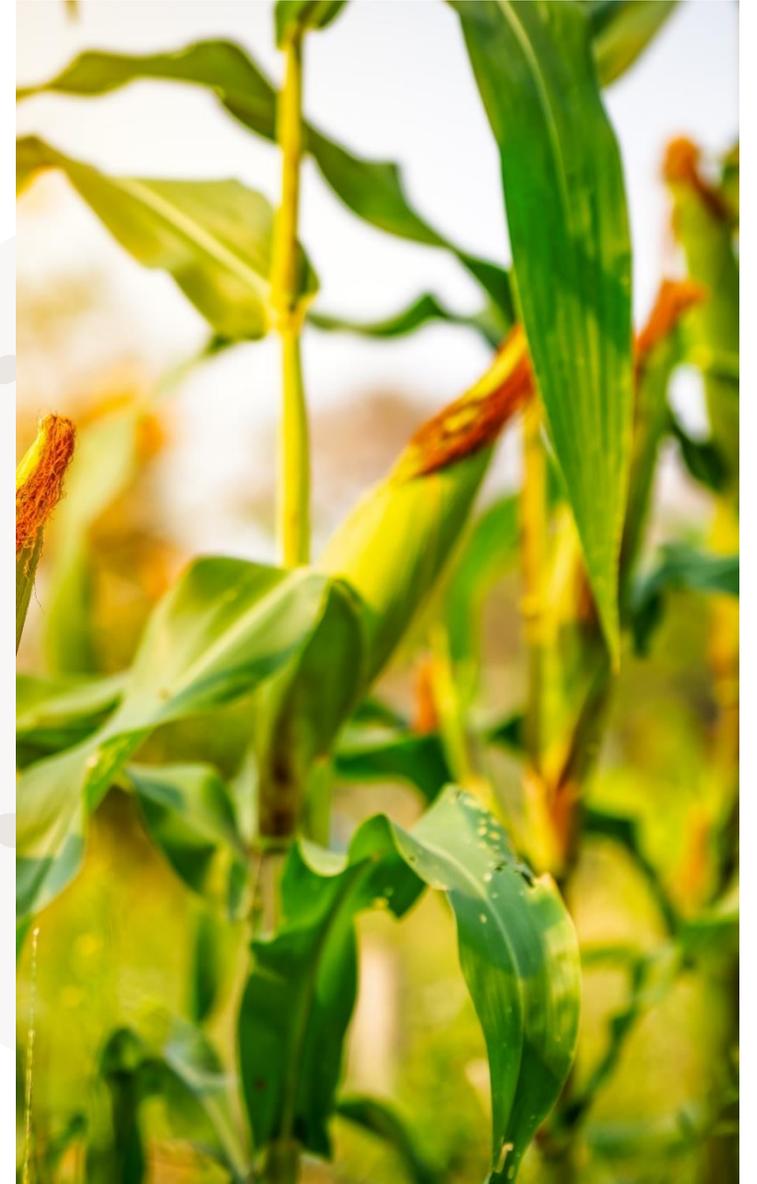
Sugar beet, potatoes and apples from contract growing

Segment and raw material	Country	Consolidated results per segment and raw material category
SUGAR Segment Sugar Beet	Austria Czech Republic Romania Slovakia Hungary	<ul style="list-style-type: none"> ▪ contract beet suppliers in all five beet production countries have been grouped into so-called Farm Management Groups (FMGs). ▪ 2017: these groups were audited by an external verification body according to the FSA requirements ▪ the re-verification audits took place in 2020/2021 and 2023: ▪ 2023 results according to the revised version 3.0: <ul style="list-style-type: none"> ▪ In Austria, the Czech Republic, and Hungary 100% of the farms achieved at least FSA Silver status. ▪ In Romania, also 100% of FMG members achieved at least FSA Silver status. ▪ In Slovakia, 97% achieved at least Silver rating.
STARCH Segment Potatoes and specialty maize	Austria	<ul style="list-style-type: none"> ▪ Austrian contract growers of potatoes and specialty maize are grouped in two Farm Management Groups. ▪ 2017: these groups were audited by an external verification body according to the FSA requirements ▪ 2020 21 and 2023 the re-verification audits took place: ▪ 2023 results according to the revised version 3.0: <ul style="list-style-type: none"> ▪ Potatoes: 100% of the members of the FMG erreichten achieved at least FSA Silver status. ▪ Maize EZG (producer association) Donautal: 98% achieved at least Silver rating.
FRUIT Segment Apples Berries Carrots	Hungary Poland (audit due in 2024)	<ul style="list-style-type: none"> ▪ Hungarian contract growers participated in the mandatory FSA-self-assessment and external audits according to FSA-rules. ▪ 2017: these groups were audited by an external verification body according to the FSA requirements ▪ 2020 21 and 2023 the re-verification audits took place: ▪ 2023 Hungarian results according to the revised version 3.0: <ul style="list-style-type: none"> ▪ Apples, sour cherries and elderberries: 100% of the FMG members achieved at least FSA Silver status. ▪ Carrots: 100% of the FMG members achieved gold status



Engagement in the upstream value chain

- Contract growing of potatoes (AT, CZ) and special corn (AT) (conventional & bio)
- Network of AGRANA-agronomists provides consulting on good agricultural practices to contract growers
- ISCC or AACS certification for wheat starch/bioethanol production in Pischelsdorf (FSA silver equivalent).
- **2017: application of FSA framework**
 - sustainable agricultural production for sugar beet, potato and corn
 - Regular external verifications by independent bodies
- **2023: re-verification according to FSA 3.0**



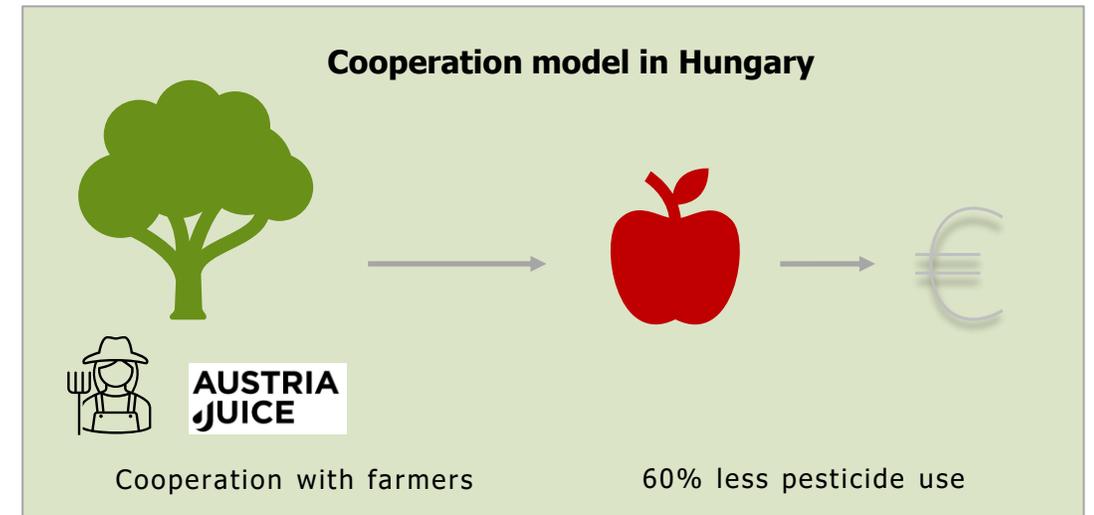
Activities in the value chain of FRUIT PREPARATIONS

- **Customer specific sourcing of raw materials**
 - In 2023|24 22,5% of ingredients (fruit and others) processed were sustainable
- **Evaluation of suppliers for their adherence to social criteria through SEDEX**
 - In 2023|24 AGRANA held SEDEX-documentation for 85,3% of raw material volumes processed
- Established **network of AGRANA agronomists to consult contract growers** (e.g., in Mexico)
- **Regenerative agricultural (RegAg) practices in fruit cultivation**
 - AGRANA Fruit developed guidelines for ground, bush and tree fruits
- **Pilot projects – partnerships with:**
 - Blueberry producer in Canada & strawberry grower in Mexico
 - Measures: minimally invasive soil tillage, cover crops and mulching
 - Targets (in Canada already achieved): negative CO₂ balance, improved soil health and increased species diversity



Activities in the value chain of FRUIT JUICE CONCENTRATES

- **Implementation of a sustainable and state-of-the-art apple growing system** taking into consideration sustainability aspects and traceability of the product
- In cooperation with the Dresden Pillnitz breeding institute, so called **RESISTANT apple sorts** („Re-varieties“) were identified as best choice to be cultivated under the given climatic conditions to reach the strategic targets.
- Development of a **cooperation model between AUSTRIA JUICE and Hungarian farmers** to encourage the farmers to plant these re-varieties
- **Benefit of Re-varieties:**
 - Approx. 60 % less pesticide use than regular varieties
 - Less environmental impact
 - Secured traceability
 - Close cooperation with farmers enables the use of SAI's FSA questionnaire



Sustainable Juice Covenant



- In **2018**, AUSTRIA JUICE became a member of the **Sustainable Juice Covenant**
- The Sustainable Juice Covenant is a global initiative of the major beverage manufacturers
- **Aim** of the initiative is the **100% sustainable procurement, production and marketing** of fruit- and vegetable-based juices, purees and juice concentrates by the year 2030
- The Sustainable Juice Covenant accepts the Farm Sustainability Assessment (FSA) of the Sustainable Agriculture Initiative Platform (SAI) as the central proof of sustainability
- In **2023 | 24 42%** of raw materials processed by AUSTRIA JUICE held **FSA or FSA-equivalent status of at least silver.**

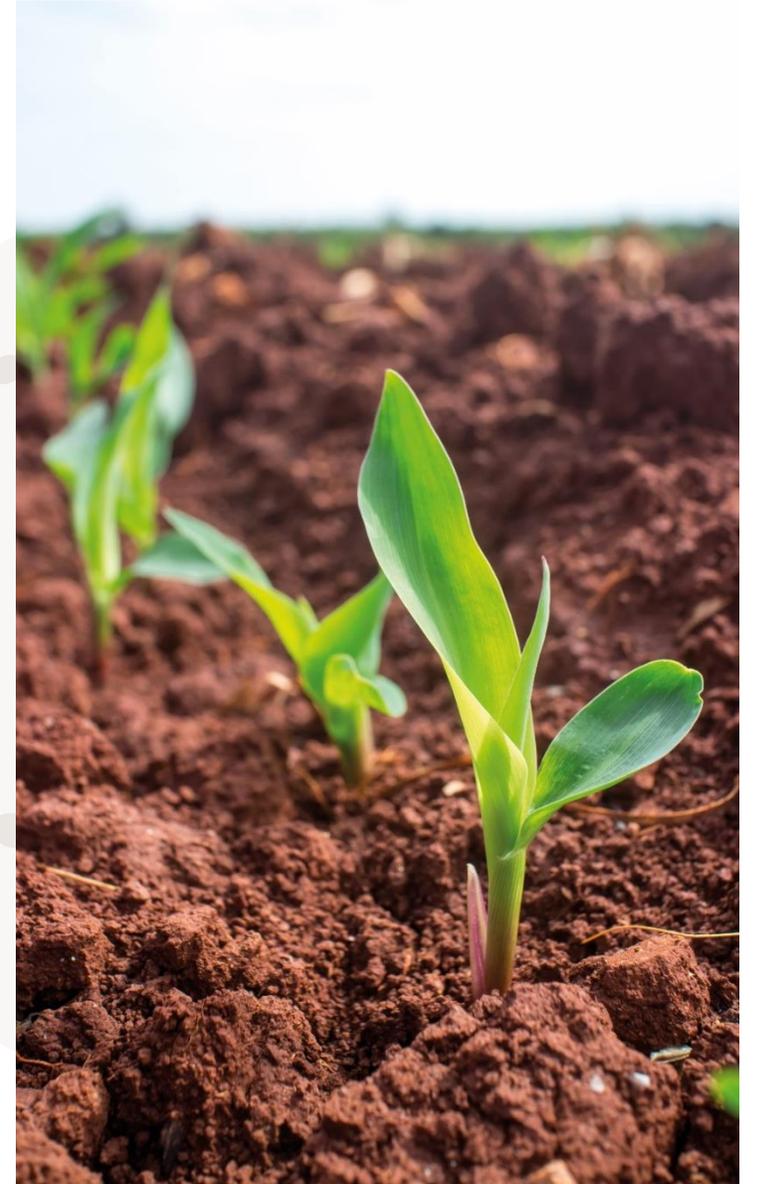


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Eco-efficiency of our production

Efficient use of agricultural raw materials

- **98.6 – 99.9% use of agricultural raw materials**
- AGRANA's high utilization rate reflects
 1. The efficient use of raw materials
 2. as well as its technological innovativeness and product development capabilities
- **Efficient use of raw materials is an economic imperative and a way of practicing corporate social responsibility**
- **Reduction of waste**



Waste

- It is AGRANA’s operating principle to **maximise the utilisation of agricultural raw materials by making valuable by-products**, contributing to the economic and social bottom line.
- **The production of a wide range of by-products reduces the amount of waste to an absolute minimum!**
- The by-products make a substantial contribution to the Group’s profitability and fulfil an ecological function (minerals and other nutrients are returned to the natural environment, thus creating a desirable **closed ecological loop**).
- In **2023 | 24** on average, AGRANA only generated **17,7 kg of waste per ton of product output** in the AGRANA Group, thereof 128 grams of hazardous waste. As a result of a remodelling project at a fruit preparations site in the USA, the absolute volume of waste increased by about 31.8% compared to the previous year.

AGRANA Group	2023 24	2022 23	2021 22 ¹
Waste disposed	84.990 t	64.461 t	75.982 t
- of which hazardous waste	617 t	520 t	439 t
Kilogrammes of waste per tonne of product	17,7 kg	14,8 kg	16,0 kg
- Of which grammes of hazardous waste per tonne of product	128 g	119 g	92 g

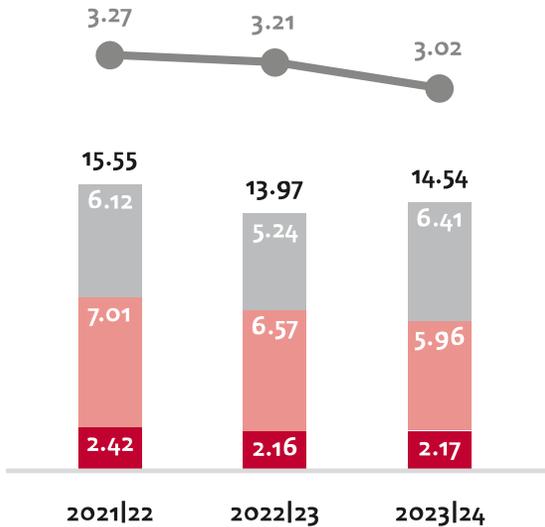
¹ Corrections due to adjustment of the data collection methodology



Energy use, emissions & energy mix

Energy consumption (Scope 1+2) of the AGRANA Group

Bar chart: total amounts (gross), in million gigajoules (GJ)

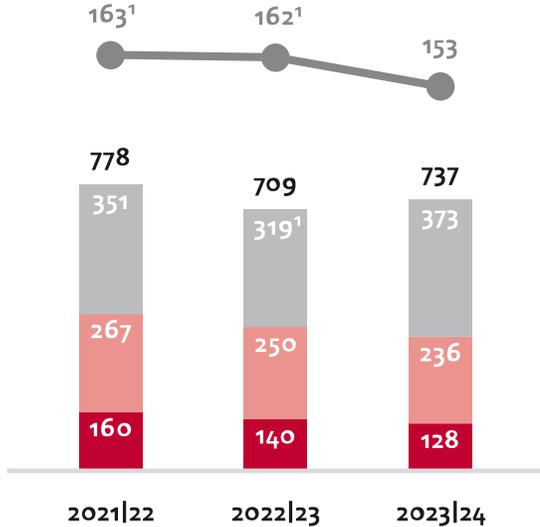


● Specific energy consumption in GJ per tonne of product output

- Sugar segment
- Starch segment
- Fruit segment

Emissions (Scope 1+2) of the AGRANA Group

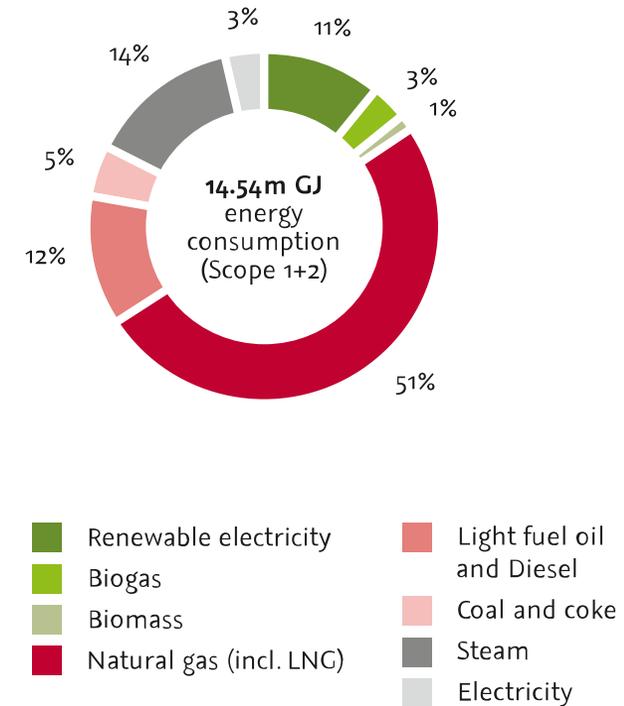
Bar chart: total amounts (gross), in thousand tonnes of CO₂



● Specific emissions in kg of CO₂ per tonne of product output

- Sugar segment
- Starch segment
- Fruit segment

Energy mix of the AGRANA Group in 2023|24

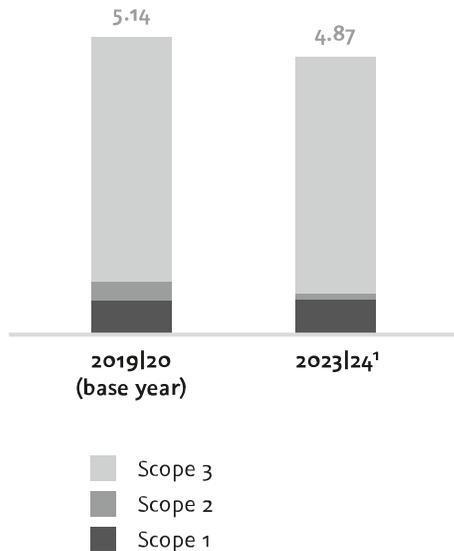


¹ Minor adjustment by adjusting rounding differences

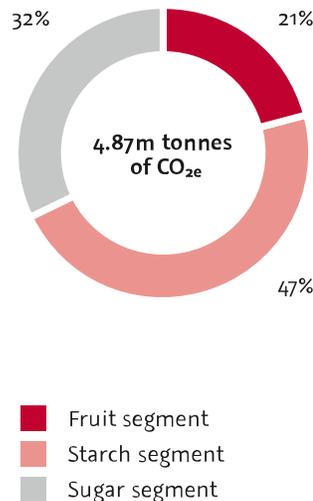


Corporate Carbon Footprint (BY 2019|20 & 2023|24)

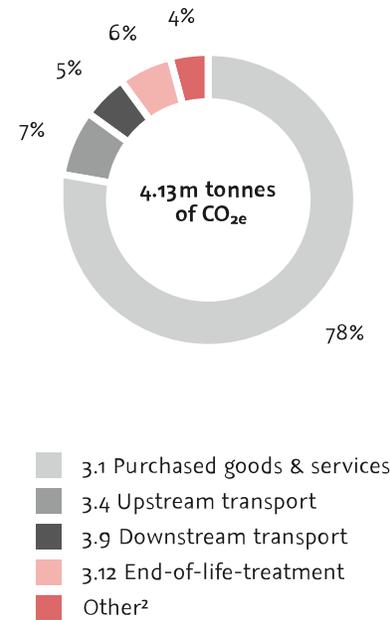
Total emissions (Scope 1+2+3) of the AGRANA Group
in million tonnes of CO_{2e}



Total emissions (Scope 1+2+3) by AGRANA segment in 2023|24¹



Scope 3 emissions of the AGRANA Group by category in 2023|24¹



- **2021 | 22 financial year: first estimate of data on Scope 3 emissions (upstream and downstream value chain e.g. purchase of goods/raw materials and services, transports, etc.) for base year 2019 | 20.**
- **Method: primary data from all AGRANA business segments linked with emission factors from two methodologically comparable databases (Ecoinvent & Quantis World Food Database).**
- **Total Scope 1 + 2 emissions (FY 2023|24) from own production aggregated with Scope 3 = total CCF.**

¹ Owing to the large effort involved in the bottom-up data collection in the base year 2019|20, the figures shown for 2023|24 were derived by scaling from the base year, primarily in proportion to the change in processing volumes of the main agricultural raw materials over time in the Starch and Sugar segments and in the fruit juice concentrate business. In the fruit preparations business, the values were modelled using a single factor across all raw materials because of the large number of internationally procured raw materials involved.

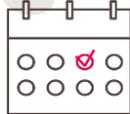
² Total of 3.2 Capital goods, 3.3 Upstream fuel- and energy-related activities, 3.6 Business travel, 3.5 Waste, 3.8 Upstream leased assets (primarily storage space, offices) and 3.7 Employee commuting.



Submission of SCIENCE BASED TARGETS

**NEAR-TERM
2030**



 **2030** (from 2019|20 base year)

50% abs. reduction of GHG emissions

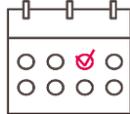
approx. 34% abs. reduction

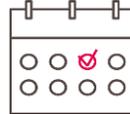
Focus areas for scope 3 reduction measures:

- Land use change: Ensuring deforestation free supply chains (raw sugar etc.)
- Fostering of the implementation of regenerative, low-emission agricultural practices

- **Science Based Targets verified in September 2023**
(target incl. FLAG* requirements approx. -36% of Scope 1+2+3)

**LONG-TERM
TARGET-**
not yet submitted

 **Net-zero emissions by 2040**

 **Net-zero emissions by 2050 at the latest**

* New guidance for Forest, Land and Agriculture

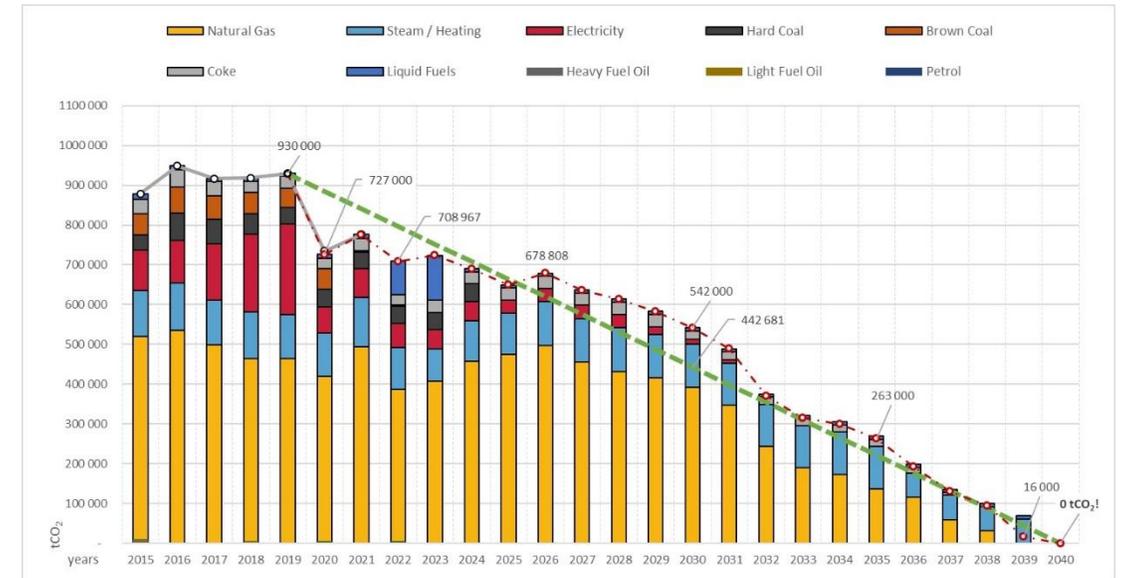


Scope 1+2

- **Target: switch to renewable energies in its own production activities (scope 1+2) by 2040**
- **50 % reduction of emissions by 2030 | 31 from 928,000 t CO₂** (base year 2019|20) including the following measures:
 - A package of actions to switch to electricity from renewable sources, with implementation already begun in Austria in 2020|21
 - The phase-out of coal as an energy source at the last coal-fired sugar production site in Opava, Czech Republic in 2024|25
 - Implementation of energy efficiency measures in all business segments
- **From 2026 | 27, focus on energy recovery from low-protein raw material residues**
 - Example: AGRANA's sugar factory in Kaposvár|HU, could cover approx. 88 % of primary energy consumption in the beet sugar campaign with biogas produced from beet pulp and other beet residues
- **Investments scope 1+2 by 2030 | 31:**
 - € 182 million within the AGRANA Group (€ 95 million in AT)
- **Investments scope 1+2 by 2040** (in many cases assumed on the basis of modeling):
 - at least around 576 Mio.€ for the AGRANA Group (of which 213 Mio. € in AT)
 - Scope 3 emissions (upstream and downstream value chain) are not yet included



Photovoltaic system at the Kröllendorf site



Path to reduce emissions by 2040 (scope 1+2)

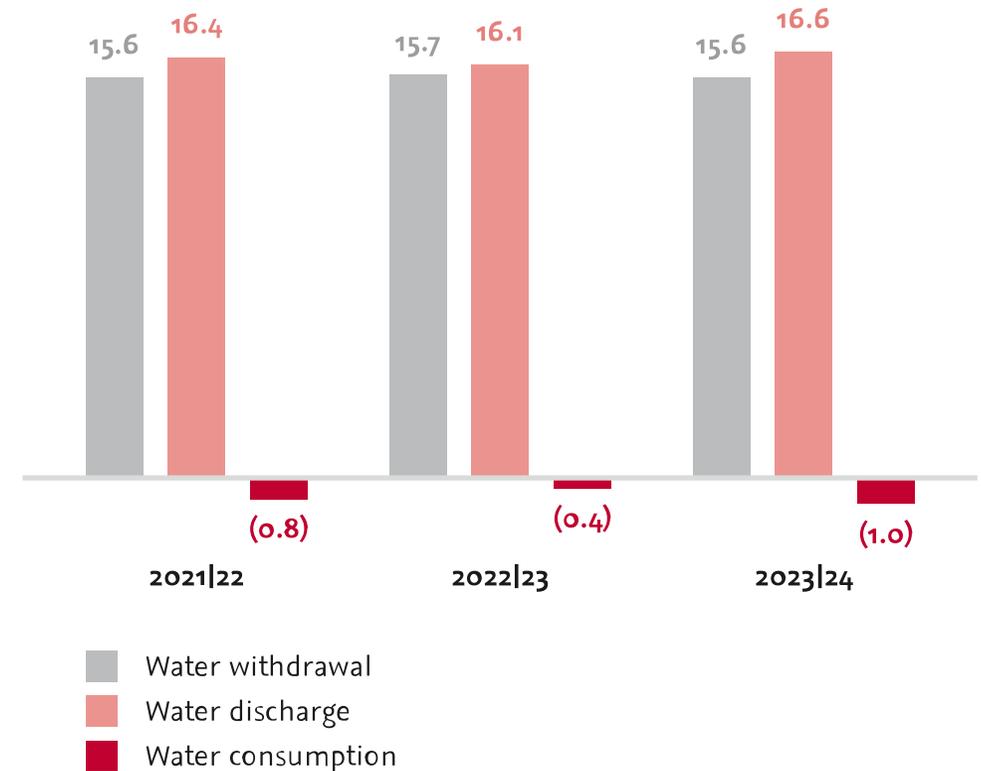


Water consumption

- AGRANA frequently **uses the water contained in the agricultural raw materials in its processes and makes it available to other water users**
 - water content sugar beet: 75%
 - water content apples: 85%
- The water is **cleaned and reused** time and again
- On-site or external **waste-water treatment plants** ensure that the effluent produced is treated in an environmentally sensitive way in accordance with local thresholds
- **Overall, AGRANA discharges more water than it withdraws thus has a negative water consumption balance**

Water consumption of the AGRANA Group

In million cubic metres





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Labour practices & human rights of employees

Employees & workplace safety

Employees AGRANA group 2024|25

NON-PERMANENT STAFF					
Total 2.147					
Female 65,5 %					
PERMANENT STAFF					
Total	7.111	Blue-collar	4.285	White-collar	2.826
Female	30,7 %	Blue-collar female	19,8 %	White-collar female	47,4 %
MANAGERS			OF WHICH EXECUTIVES		
Total	513		Total	25	
Female	29,2 %		Female	24,0 %	

Workplace safety at AGRANA group 2023|24

	Injury rate =(accidents/ 100 employees p.a.)	Rate of high-consequence injuries (high-consequence injuries/100 employees p.a.)	Rate of fatalities (fatalities due to accidents/100 employees p.a.)
Total	1,3	0,0	0,0
Female	0,8	0,0	0,0
Male	1,6	0,0	0,0

- In 2023|24 there were 119 work accidents at the AGRANA group.
- For organisational reasons, accidents of contractors are not included in the workplace safety data.



Assessments & audits of social criteria at AGRANA and its suppliers



- AGRANA has been a SEDEX (Supplier Ethical Data Exchange) member since 2009.
- All AGRANA sites complete the **SEDEX self-assessment** once a year.
- **60% of AGRANA sites also have a valid external audit** (SMETA or similar) based on their self-assessment (2023|24).
- Audit reports are available to SEDEX-members on the website of the organisation.
- The fruit preparation division uses SEDEX also for the **social assessment of its fruit suppliers**.



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Product responsibility & sustainable products

Memberships in major initiatives

Initiative	Member companies	Since	Initiative aim and other members
Sustainable Agriculture Initiative Platform (SAI)	AGRANA Beteiligungs-AG*	July 2014	Aim: Develop guidelines for and implement sustainable agriculture practices Members: food and beverage industry
The Sustainable Juice Covenant	AUSTRIA JUICE GmbH	2018	Aim: global initiative for sustainable production of fruit- and vegetable-based juices, purees and juice concentrates Members: beverage industry, especially members of the European Fruit Juice Association (AIJN)
Science Based Targets Initiative	AGRANA Beteiligungs-AG*	2021	Aim: Members commit to setting climate targets in line with the Paris Agreement Members: Companies from various industries worldwide
Supplier Ethical Data Exchange (SEDEX)	AGRANA Beteiligungs-AG*	2009	Aim: Promote sustainable social and environmental practices along the value chain Members: about 60,000 companies worldwide
UN Global Compact	AGRANA Beteiligungs-AG*	2022	Aim: follow ten fundamental principles related to human rights and labour standards, environment and climate, and anti-corruption Members: Companies from various industries worldwide
EcoVadis	AUSTRIA JUICE GmbH and some sites of Fruit segment AGRANA Stärke GmbH AGRANA Zucker GmbH	2013	Aim: Supplier assessment on environmental and social criteria along their entire value chain Members: companies in a wide range of industries
Arge Gentechnik frei (Platform GMO-Free)	AGRANA Beteiligungs-AG*	2010	Aim: Promote and safeguard Austrian GMO-free agriculture and food production Members: entire food value chain, including many retailers



*AGRANA Beteiligungs-AG, representing all AGRANA-Group companies

GMO-free & organic products

- AGRANA **does not make products** anywhere in the world **that require GMO labelling** under local laws (for example, in the EU under Reg. EC No 1829/2003 and 1830/2003).
- AGRANA offers **certified GMO-free products** in the fruit segment (esp. in the US), in the starch business and the sugar segment (e.g. „Wiener Zucker“).
- AGRANA has the **necessary certifications** in its plants and supply chain to be able to fill customer needs **for organically made foods, feeds and other products**.





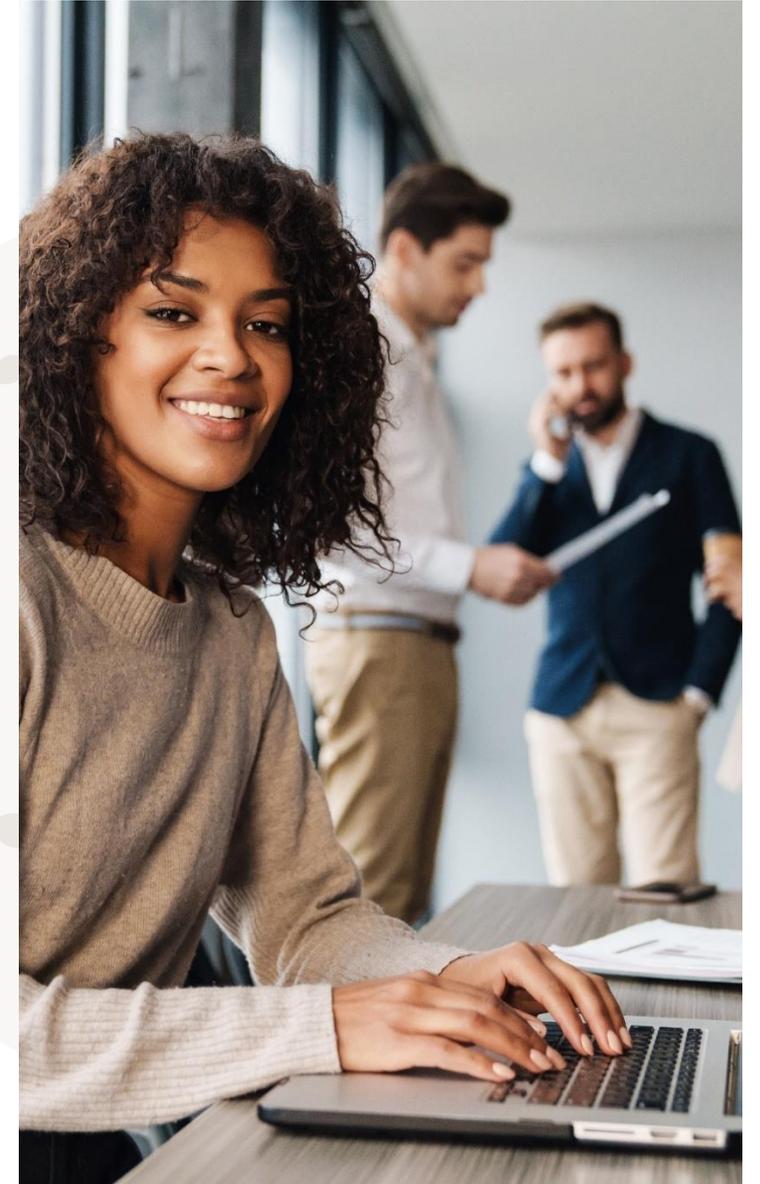
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Compliance & business conduct

AGRANA standards & values

The most important documents

- AGRANA Vision & Mission
- AGRANA Code of Conduct (additional local AGRANA anti-corruption guidelines and AGRANA tax guideline for Austrian Group companies)
- AGRANA Guideline Compliance Management
- AGRANA Policy on Diversity & Inclusion
- AGRANA Competition Compliance Guideline (additional AGRANA Guideline Exchange of Information Joint Venture)
- AGRANA Conflict of Interest
- AGRANA Data Protection Guideline
- AGRANA Guideline Capital Market Compliance
- AGRANA Guideline Protection against Involvement in VAT Fraud
- AGRANA Whistleblower Guideline (more information: <https://www.agrana.com/en/about-us/compliance-at-agrana>)
- AGRANA Quality Mission
- AGRANA Principles for the Procurement of Agricultural Raw Materials and Intermediate Products
- AGRANA Policy on Environmental Issues



Compliance with standards & values

ORGANISATIONAL STRUCTURE

- Compliance Office led by the Director Corporate Compliance
- Tasks Compliance Officer: development and implementation of internal guidelines, providing support in compliance matters, conducting of compliance trainings, documenting of cases of non-compliance
- Compliance Board (Ethics Committee) including Director Corporate Compliance, General Secretary, Internal Audit department (IA), HR department and Legal department
- Compliance Management System of AGRANA Beteiligungs-AG is ISO 37301 (Compliance Management System) and ISO 37001 (Anti-Corruption Management Systems) certified

INTERNAL AUDITS ON CORRUPTION

- IA verifies the compliance with laws, regulations and internal guidelines
- In the 2023|24 business year, IA audited 13 (24,5%) of the 53 AGRANA sites within the GRI reporting boundaries including regarding corruption and fraud
- No significant breaches of legal norms regarding anti-corruption or internal guidelines were found



AGRANAs contribution to the SDGs

- In its business activities, AGRANA contributes primarily to the achievement of Sustainable Development Goals (SDGs) 8, 13, 15 and 16, which were adopted by the UN General Assembly in September 2015.
- In addition, AGRANA also contributes to goals 2 to 7 as well as 12 and 14.

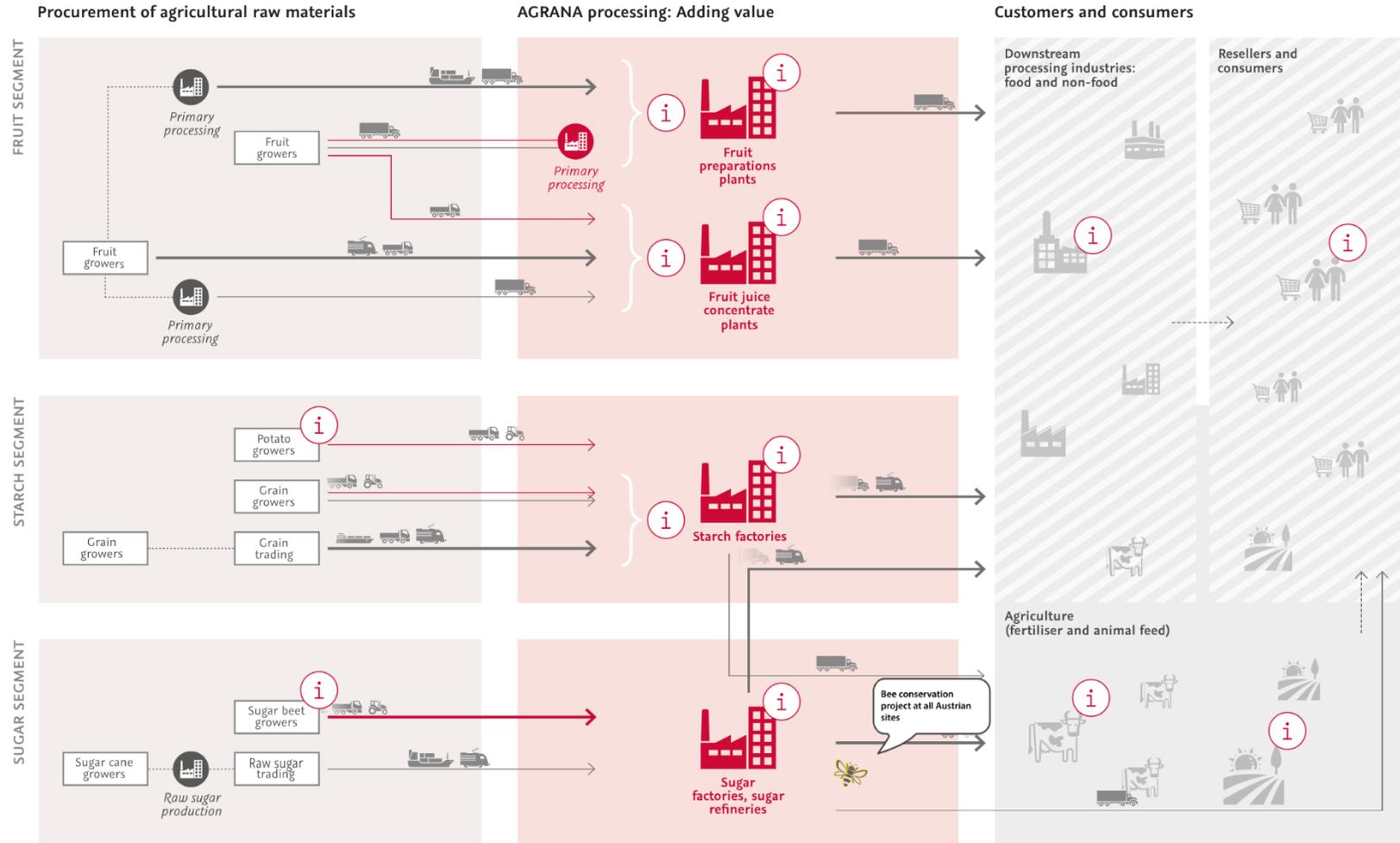


Source: UN; matching of GRI-Indicators and SDGs on SDG Compass

Sustainability along AGRANA's value chain

At a glance: wsk-mini.agrana.com/index-en.html

THE SUSTAINABLE AGRANA VALUE CHAIN 2023|24*



* within the GRI reporting boundaries



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