

New Midterm Business Plan [Revised for FY2022-FY2024]

February 10th, 2022

A OATS OAT Agrio Co., Ltd.

Corporate Philisophy



♦Our philosophy and three (3) domains of agritechnologies

Pursuing ESG (Environment, Society, Governance) management and proactive involvement in SDGs (Sustainable Development Goals)

Crop Protection

Two (2) R & D centers for developing New and Safety AI Japan & India

Fertilization & Drip Irrigation

Cultivation technology Hydroponic fertilizers (No. 1 domestic share)

Biostimulant

Boost immunity of plants against environment and disease & pests Respect for bio-diversity



"Corporate Philosophy"
We contribute to the people in the world with our agritechnologies and sincerity.

♦ Pursuing agritechnologies



Increasing of food supply is essential

Massive consumption of energy



Developing the resistance against pesticides due to repeated use



Out of roughly 1,000 agrochemical companies currently working on new development, just over 20 are in Japan, EU and US



New active ingredients development Crop protection

Enhancing crop immunity **Biostimulants**

Destruction of nature





UN declared 2015 is the int'l Year of Soils

Minimum water and fertilizer supplies Fertilization & Drip irrigation

New Midterm Business Plan [2021] Summary OATS

X New Midterm business Plan set on Feb 2021 [2021-2023]

Achieved the 2nd year target in a year ahead of schedule

Unit: M JPY

Item	Result FY2020	Plan FY2021 【1 st year 】	Result FY2021	Plan FY2022 【2 nd year】	Plan 2023 【3 rd year】
Sales	20,288	21,288	22,657 vs PY 111.7% vs BU 106.4%	22,080	23,440
Operating Income	1,512	1,594	1,982 vs PY 131.0% vs BU 124.3%	1,990	2,450
Ordinary Income	1,346	1,419	1,969 vs PY 146.3% vs BU 138.7%	1,780	2,250
Net income attributable to owners of the parent company	837	908	1,443 vs PY172.3% vs BU 158.9%	1,030	1,410



New Midterm Business Plan [Revised for 2022-2024]

< Further Challenges >

◆ Change of External Environment (Trend Forecast)



Negative (Risk):

- ◆ COVID-19 (2020~2022)
- Decreasing population and cultivated area in Japan
- Cost of oil related materials increase
- **♦ Tightening supply raw materials for fertilizer** from China
- ♦ Sea freight cost increase .etc

Positive (Chance)

- **♦** World population forecast: 9 Bil. (FY2050 : FAO)
- Global pesticide market increase yr by yr Predicted CAGR is 2.3% (2020-2025)
- Strategy for Sustainable Food Systems (MAFF, Japan) ∼ For Carbon neutral 2050
 - •Reducing 50% of chemical pesticide usage and 30%
 - of inorganic fertilizer usage
 - Expanding the ratio of organic cultivated area to 25%(1mil ha)

- Downtrend of domestic market Decreasing
 - Losing sales opportunity

profit rario

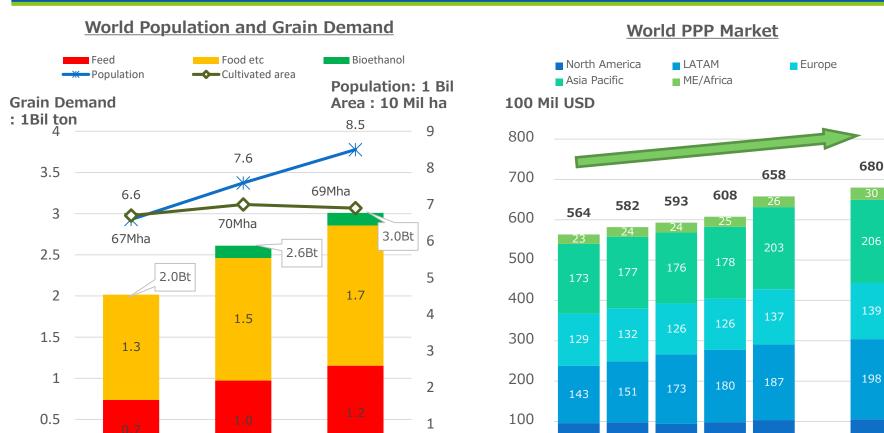


OAT Agrio Group make a chance by utilizing & mastering "Agritechnology".

Restructuring at Tokyo Stock Exchange. Tightening criteria for Prime Market

♦ World Population, Grain Demand, PPP Market





0

Source: Trend forecasts of world food demand (MAFF: Mar 2021)

2030

Source: AgbioInvestor

106

2025F

103

2021P

◆Increasing Population & Grain Demand, but no expansion of Cultivated Area→ Need to improve productivity (area)

96

2017

0

98

2018

94

2019

98

2020

 \Rightarrow Need to improve productivity/area

2017-19

0

2005-07

Expanding PPP market \Rightarrow CAGR 2.3% between 2020 to 2025

◆Utilizing & Mastering Agritechnology



 Outline of Strategy for Sustainable Food Systems (MAFF, Japan)

In order to establish a food sustainability, Measures for Achievement for De-carbonization and Resilience with Innovation was announced by MAFF. It is to promote innovations for supply chain in each process and for environmentally friendly attempts from the point of mid-long term.

Company Philosophy

"Utilizing & Mastering Agritechnology"

♦ Vision in 2050

- 1. Zero emission of CO 2
 - **◆Introduction of energy-saving greenhouse horticulture**
- 2. 50% reduction of chemical pesticide
 - **◆**Spreading integrated pest management
 - Developing innovative technology for plant protection, utilizing biostimulants.
- 3. 30% reduction of chemical fertilizer
 - ◆ Sophisticating effect-adjusted fertilizer that match the growth stage of crops.
- 4. Expanding the ratio of organic cultivated area to 25%(1mil ha)



Providing solutions for cultivation Spreading Smart Agriculture



Promoting environmentally friendly products
Promoting a business of biostimulants



Promoting Fertilizers for greenhouse horticulture Providing solutions for cultivation



Hydroponics using organic fertilizers called "Probioponics"

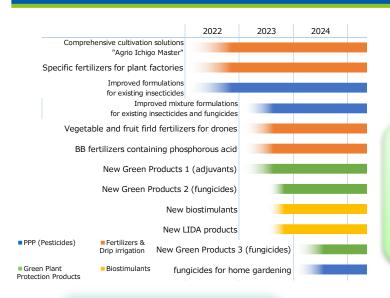
****Applying for new JAS standard**

7

Source: Strategy for Sustainable Food Systems (MAFF, Japan) May 2021

Activity Policy for New Midterm Business Plan 2022-2024 ATS





Maximizing global synergy

~FY2023

~FY2024

Launching **New Products**

~FY2022

Launching smart agriculture business [Agrio Ichigo Master]









◆ Focusing on the growing-driver products, and enhancing the introduction of new products, entry into smart agriculture, and maximization of global synergies.

Growing Drivers

- Green Products (GP)
- Biostimulants (BS)
- Spurring demands for horticulture
- Developing products globally

- Increasing sales by **Launching new products**
- Spreading GP/BS products
- Entering into smart agriculture **FAgrio Strawberry Master**
- Expanding the sales area (More than 89 countries)

Maximizing global synergy

- Communications among **OAT** group
- Globalization of R&D

- Increasing sales in strong business area
- Improving an efficiency for R&D





 Aiming to improve a corporate value and to build a corporate culture and management that can contribute to sustainable agriculture for human and environmentally friendly.

Corporate Culture

- **Taking action for [Aglitechnology]**
- Providing a "Fun" of cultivation

- To create OAT's original manuals for cultivation (17 vegetables)
- Utilizing SNS
- Challenging D2C business

Human & environment -ally friendly

> Sustainability management

- **Following TCFD's** recommendations.
- Action toward Carbon neutral
- Action toward Strategy for **Sustainable Food Systems** (MAFF)

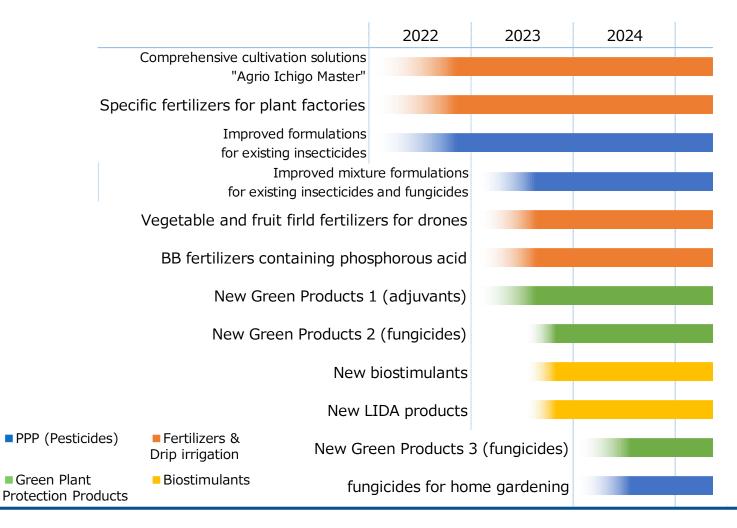
Corporate Value

Strengthening the management base To define the financial targets:

Ratio of net worth **Consolidated ROE** Net D/E Ratio

Timeline of Launching New Products





New products will be introduced to new and focused market.

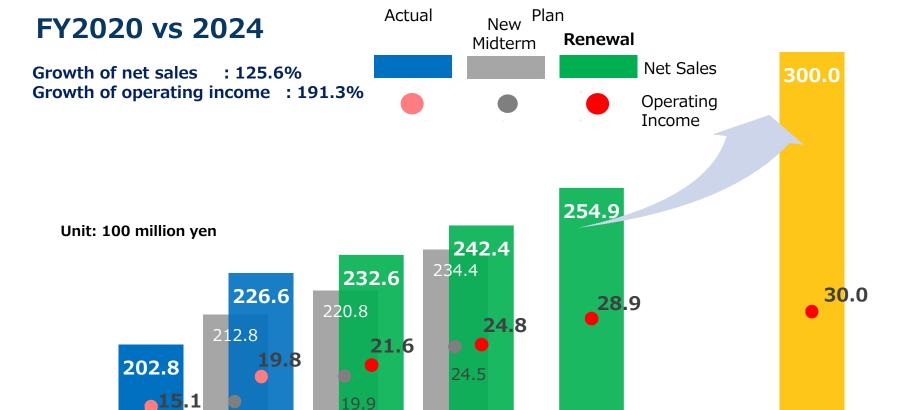
Renewal Midterm Plan < Further Challenge > OAT 9

FY2020

2021

2022





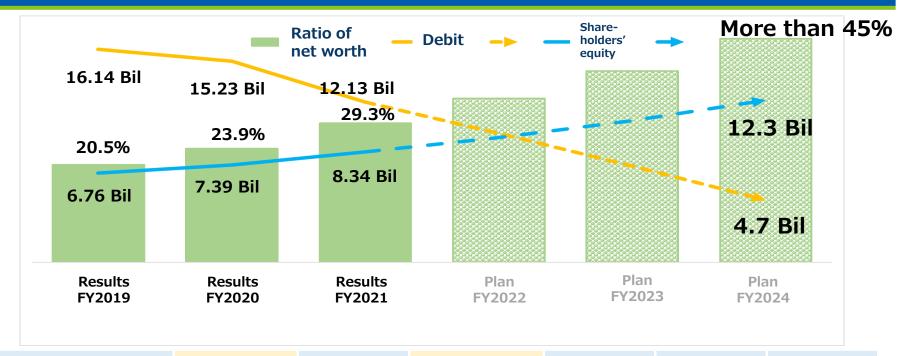
2023

2024

Toward sustainable growth

♦ Financial Targets





	Results FY2020	Plan FY2021	Results FY2021	Plan FY2022	Plan FY2023	Plan FY2024
Consolidated ROE	12.9%	13.8%	19.0%	15.0%	15.6%	16.6%

Targets in FY2024

◆ Ratio of net worth : More than 45%

◆ Consolidated ROE : More than 15%以上

♦ Net D/E Ratio : 13 **0.1**

Management Index



♦ New Midterm Business Plan, consolidated

Unit: 100 Mil

	Results FY2020	Plan FY2021	Results FY2021	Plan FY2022	Plan FY2023	Plan FY2024
Net Sales	202.8	212.8	226.5	232.6	242.4	254.9
Operating Income	15.1	15.9	19.8	21.5	24.8	28.9
Ordinary Income	13.4	14.2	19.7	20.3	23.6	27.9
Net for the Period Attributed to Shareholders of the Parent	8.3	9	14.4	13.2	15.6	19
Operating Income Margin	7.5%	7.5%	8.7%	9.3%	10.2%	11.3%
Consolidated ROE	12.9%	13.8%	19.0%	15.0%	15.6%	16.6%



New Midterm Business Plan [Revised for 2022-2024]

<Actions in detail>

To Focus & Enhancing on the Growing Drivers A OATS



- **◆** Green Plant Protection Products for Human and Environmentally friendly
 - → Developing & launching new products
- Biostimulant business
 - → Spreading target crops & sales area globally
- Development for the potentials in greenhouse horticulture field
 - → Establishing new business models for proposing the packaged products
- ◆ The products deployment in global base
 - → Spreading sales of existing PPP & Fertilizer products

Green Plant Protection Products (GPPP)



Our Definition of GPPP

Safe and environmentally friendly plant protection products with no restrictions on the number of times they can be used, such as natural / food additive-derived or organic JAS-compliant pesticides.

Why GPPP need?



Natural / food-derived

No limit to the number of times it can be used

Difficult for pests to acquire drug resistance

Friendly to natural enemies and fits IPM



♦GPPPs line-up



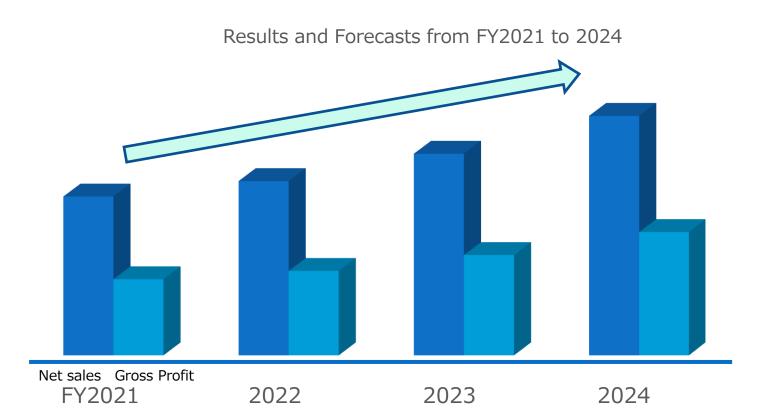
No.	Product name	Active substance	Organic JAS materials ¹ listed	Number of application
1	Kaligreen	Potassium bicarbonate	Yes	-
2	Tomonol	Agricultural machine oil (95%)	Yes	-
3	Tomonol S	Agricultural machine oil (97%)	Yes	-
4	Oleate	Sodium oleate	No	-
5	Acaritouch	Propyleneglycol fatty acid monoester	No	-
6	Suffoil	Edible blended oil	Yes	-
7	Sluggo ²	Iron phosphate (1%)	Yes	-
8	Sukuminbait ²	Iron phosphate (3%)	Yes	-
9	Toaro CT (WP)	Crystal proteins, having cytotoxic effects, produced by <i>Bacillus thuringiensis</i>	Yes	-
10	Toaro (SC)	Crystal proteins, having cytotoxic effects, produced by <i>Bacillus thuringiensis</i>	Yes	-
11	Iou (SC)	Sulphur	Yes	-
12	Poteguard	Basic sodium copper	No	-

It is approved for use to produce organic foods certified as "Organic Japanese Agricultural Standards (JAS) "

^{2.} It is a trademark of W. Neudorff.

◆Estimated Growth of GPPPsHuman & Environmentally friendly agrochemicals





Green PPP Growth Ratio: sales and gross profit

comparison: FY2021 vs. FY2024

Sales 151% Gross Profit 162%

♦ Biostimulants Business



Our Definition of Biostimulants

Biostimulant is a substance and technology that enhances the natural immunity of plants and promotes resistances against cold, heat and diseases & pest, and also for the potential crop growth.

Why biostimulants are needed



Increasing the yield and improving the quality by enhanced immunity

Enhancing the plant resistance to stresses

Improving the quality for the seed setting, sugar content and color of fruit

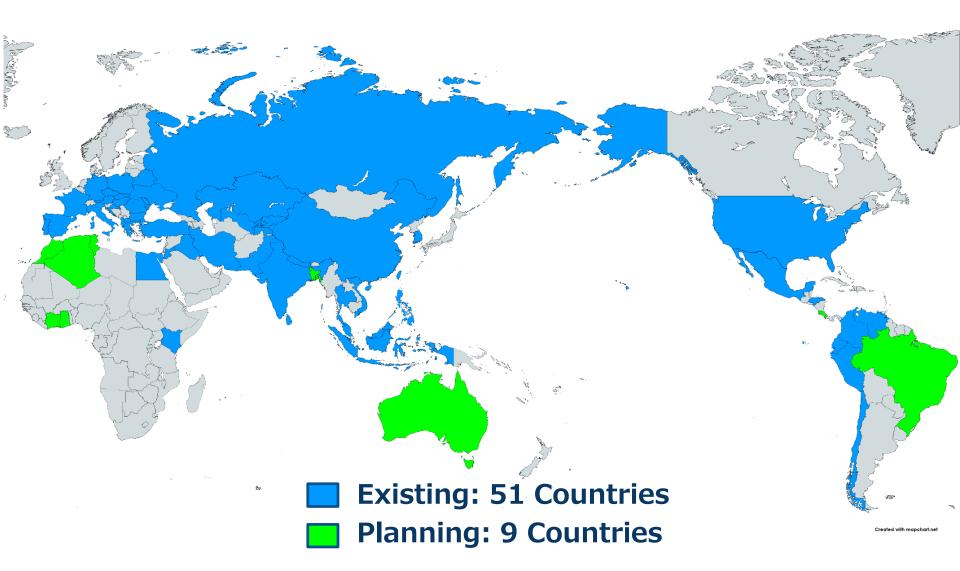
Adjusting and improving its water balance in plants

Improving the physical properties of farmed soil



♦ Business Area for Biostimulant Products





◆ Products in OAT that could contribute in greenhouse horticulture field



- ➤ Fertilizers for greenhouse horticulture

 OKF series, fertilizers for drip irrigation, Tankmix* series
- > Green plant protection products Green pesticides such as suffoil and acaritouch Biostimulants Drip irrigation systems 4 液肥タンク **Equipment and systems** 5 電磁弁 7 環境センサ * It is a Romanized Japanese of a product name.

♦ Sales strategy for the field of greenhouse horticulture (in Japanese market)



OKF/Fertilizers for drip irrigation
Market share: 35%

Green Plant
Protection Products
Market share: 10%

Biostimulants Market share: NA

Drip fertigation systems 3,000 systems sold nationwide in Japan

Targets: Market share 40% Net sales ¥ 3 billion

ckaged

posals

one-stop

hopping

Brand strength

Safety & Security

Yield Improving

> Labor saving

Greenhouse horticulture market

Strawberry, tomato, cucurbit and green pepper

> <u>Market size:</u> ¥ 7.25 billion

♦OAT Cultivation Support Manuals



OATアグリオのトマト栽培応援マニュアル

※画面は作成途中のもの(部分)

農薬のトマト・ミニトマトでの登録内容【抜粋】

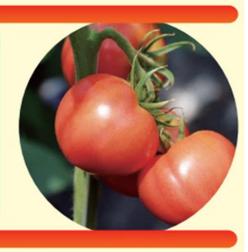
サフォイル乳剤 殺虫・殺ダニ剤 【特長】安全な食用の植物油が主成分。物理的に作用する殺虫・殺ダニ剤で、ハダニ類とコナジラミ類の同時防除が可能。 ■対象害虫・対象病害・希釈倍数:ハダ

- 対象音法: 対象的音: や板筒数: ハッ ニ類(300~500倍)チャノコホコリダ ニ、トマトサビダニ、コナジラミ類、う どんご病(300倍)
- ■使用液量:100~500 ℓ/10a
- ■使用時期:収穫前日まで
- ■使用方法:散布



■メバニビリムを含む農薬の総使用回数:4回以内





🕝 トマト・ミニトマト 農薬防除事例

	Я			1月			2月	1		3月			4月			5月			6月			7月			8月			9月			10月			11月			12月	
	時期	8	Ŀ	ф	F	上	ф	下	上	ф	下	上	ф	下	£	ф	下	Ŀ	ф	下	Ŀ	ф	下	Ŀ	ф	下	下 上 中 下 上 中 下					Ł	ф	下	Ŀ	ф	下	
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E.		2.サンヨール							_	<500	0 うどんご病、コナジラミ等発生時																		×	<u>500 うと</u>	(4.2)	病。ユナ	<u> </u>	等异生				
1.5		3.オレート							_	<100 T	アプラル	少開	生時																	×1	007	ブラム	シ発生	转				
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		7.ショウチノスケ									,	< 200	0うど/	しこ病核	期発生	時														×200	のうと	どんこま	柳柳茅	性時				
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Proposing "Cultivation Support Manuals" for "pest control, fertilization, and quality improvement of 17 major crops, which are utilized the OAT advantage of 3 agritechnologies".

♦ Solution Service for Cultivation



Launching Subscription Service "Agrio Ichigo Master"

For farmers who starts farming, plans for greenhouse horticulture and improving the crop quality

> 土耕から高設栽培に変更をご検討の方 今よりも収量・品質を高めたい方















自動生育診断 システムの診断 アドバイス





通信料· サーバ利用料



①養液土耕システム及び付帯設備の利用(潅水装置、遺隔操作オプション、温度温度セン サー、土壌センサー) ②自動生育診断システムによる栽培アドバイス (毎朝メール配信) ③養液栽培用肥料、葉面散布肥料、バイオスティミュラント資材およびグリーン農薬を定期的 **量をお届け** ④栽培マニュアル、栽培フォローの提供(栽培に関する、なんでも相談で ⑤通信費・サーバ利用料 ⑥機器メンテナンス費用

対応品種: さちのか (2023年より、紅ほっぺ、さがほのか、恋みのり、かおりの、かんなひめを追加予定)

契約内容:3年もしくは5年契約終了後に維続して利用延長も可能。契約終了時、システムについては買取も選択可(契 約面積に応じた調整価格にて)、システムのみ買取条件で途中解約可能。契約期間中の機器メンテナンス/修理は無償対 応、栽培面積に応じた必要量の肥料・BS・農業の提供、整液管理・栽培マニュアルの提供、通信費・サーバ利用料込み、液肥混入積及び付帯設備の設置・施工は契約者様にてお願いします(設置業者をご紹介します)。

当社栽培研究センターにおいていちご実証栽培を実施

当社の資材(肥料、農薬およびBS)と栽培技術を用いて、徳島でいちごを栽培しています 生産物は「**ほほえみいちご**®」のブランドで販売しており、市場の評価も受けています。 また、この実証圃場は「GLOBALG.A.P.(グローバルギャップ)」の認証を取得しています





安心安全・高収量の追求

●化学合成農薬を極力使用しない栽培を採用

2019-2020年の栽培で、化学合成農薬の使用回数を15回(本圃5 回、育苗10回)に抑えて栽培をすることができました。ちなみに徳島 県の慣行の防除回数は54回と設定されています。この減農薬栽培を実 現するために、グリーン農薬の使用、高濃度CO2処理後定植やUV-B ランプなどの最新栽培技術を導入しています。

また、収量は「さちのか」という品種で6.15/10aを実現しまし







OAT栽培研究センター設置 モニタ機



Partnership Agreement with Shintomi, Miyazaki Prefecture for promoting & developing sustainable agriculture (Jan. 2022)



Demonstrating "Agrio Ichigo (Strawberry) Master"
 Highly automated hydroponic management by integrating remote control & monitoring and automatic diagnosis system

"Strategy for Sustainable Food Systems" by MAFF

- **1** Reducing 50% of chemical PPP
- **②Hydroponic management by smart technology**
- Demonstrating circular cultivation such as organic fertilizer-utilizing hydroponic cultivation (Probioponics)

新富町開発事業 「構想イメージ図

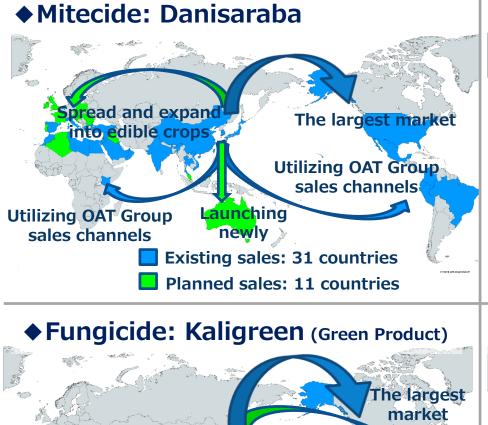
"Strategy for Sustainable Food Systems" by MAFF

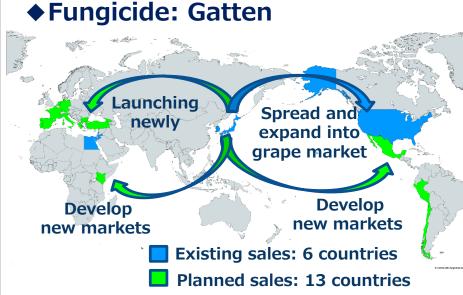
- **1** Reducing 30% of inorganic fertilizer
- **②Establishing next-generation technology for organic cultivation**
- Contributing to the promotion & development of local agriculture



◆Global development











◆ Estimated growth of Overseas business in Midterm Business Plan (non-consolidated)





Results in 2021 vs. Plan in 2024 Sales 120% Gross Profit 117%

5. Pursuit the possible synergy in global base

♦OAT group involvement in agricultural value chain

Consumer

Planting

Cultivation

Pre-Harvest

Distribution Harvesting

Post-Harvest

Agritechnologies + **Cultivation Technologies** **Freshness Prolonged** technology

Runhe Plant Science OIL Fertilization & **Crop Protection Drip Irrigation OAT Agrio ACM Biostimulant ACE LIDA OMA**

Suppling flower food with nutrients Effective techniques against bacteria, fungus and algag **Reducing waste**

Chrysal

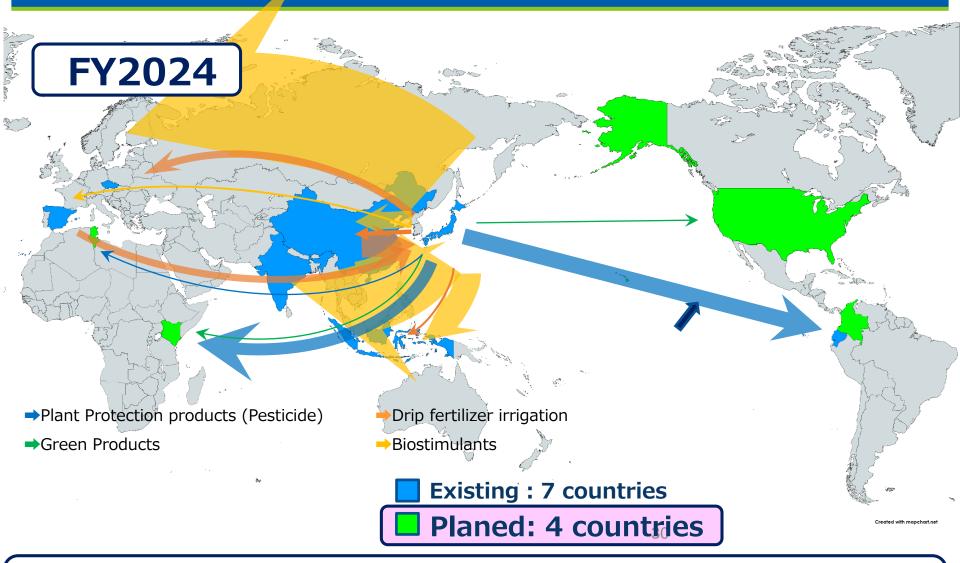
Chrysal

Chrysal

Chrysal

♦ Synergy between OAT Group [FY2020 vs FY2024]

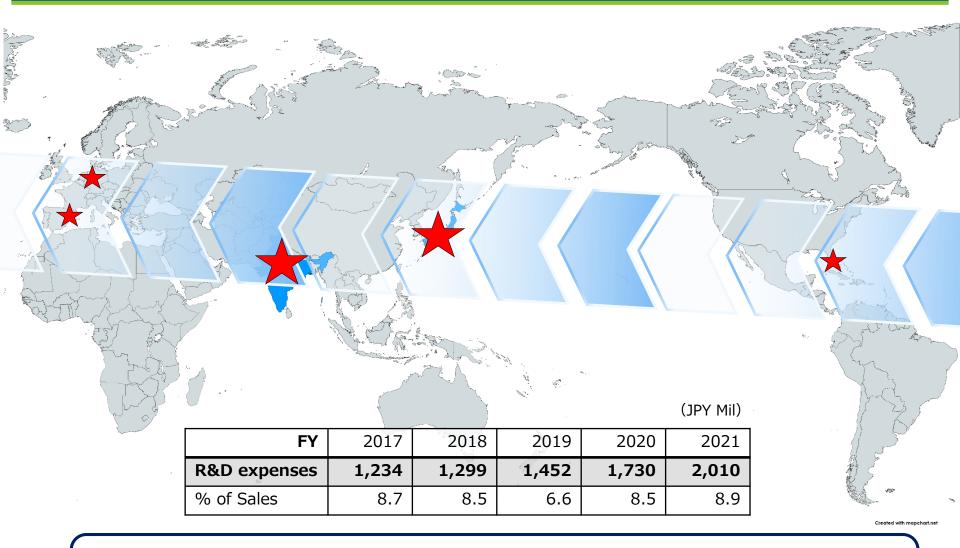




Sales expansion Globally to 191% by leveraging the strengths of each group company's products and sales bases Sales

♦R&D Network

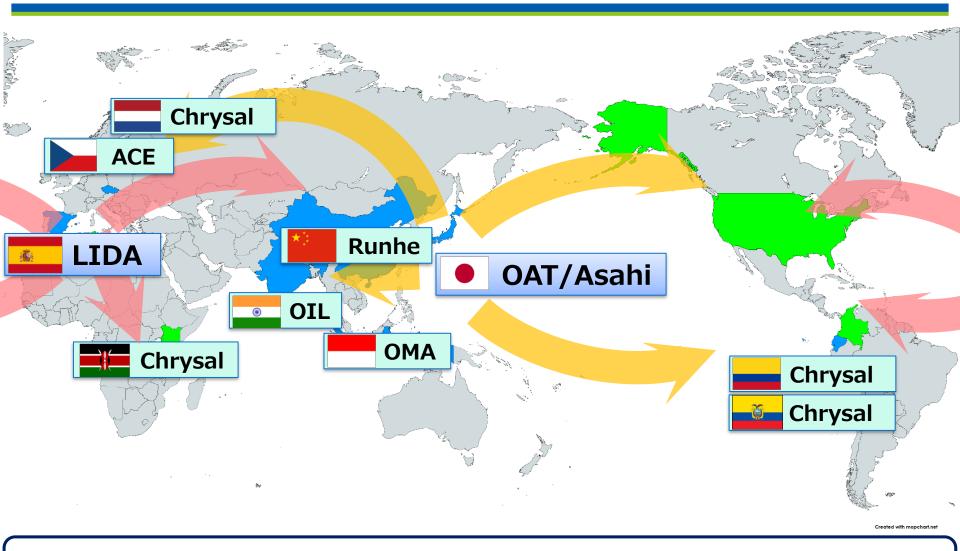




Accelerating R&D activities in 5 different regions globally, by investing about 10% of sales for R&D.

◆ Developing Biostimulant business Globally

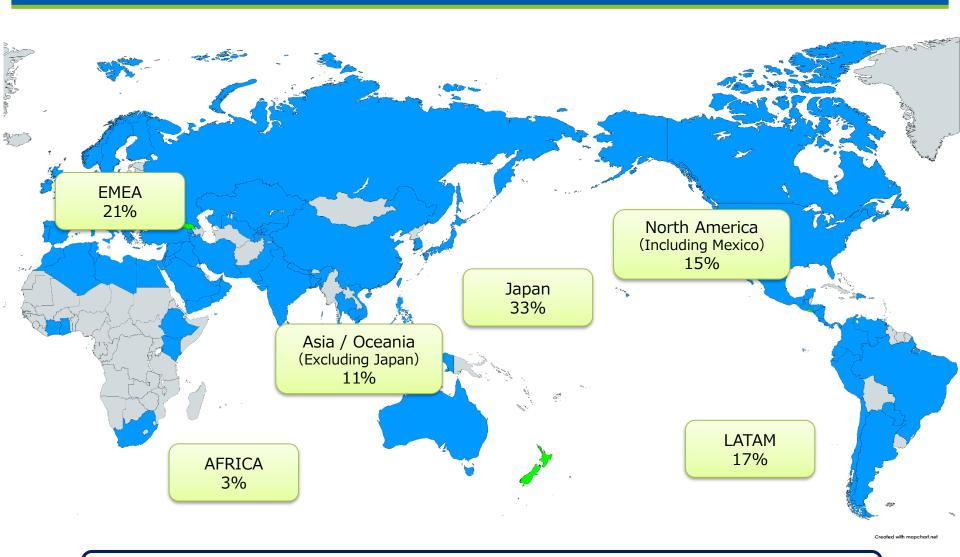




Expanding the sales globally supplied from Spain and Japan

♦ Percentage of Sales by Region





Sales in 5 Continents, 89 Countries

6. Building the corporate culture and challenge for the new business



> The need & value of Corporate Culture under COVID-19

In order to dispel anxiety over the uncertainty of the future under COVID-19, OAT Agrio will focus on "Cultivation", which OAT Agrio has engaged and accumulated ample of know-how & experiences. And we decide "To deliver and encourage the people in a world about the fun and the challenge of Cultivation, by experiencing it at first hand" as OAT's Corporate Culture.

"Cultivation" is OAT Agrio's area of excellence, a competitive advantage in the market, and a strength that cannot be matched by our competitors.

This Corporate Culture, focusing on our strengths, is a concept of value shared with all employees, and the code of conduct.









♦ Changing market environment



➤ OAT challenges to develop new D2C business Changing lifestyles under the COVID-19 Increase the demand for stay-at-home consumption

Due to longer periods of time spent at home because of COVID-19, home gardening and home vegetable gardens are attracted attention, and more and more people have begun to grow vegetables, fruit and flowers in their gardens and balconies. In Japan, DIY stores and online horticultural shops are reporting increase of sales, and a survey has shown that sales were 160% compared to the previous year.









- ◆ Building the corporate culture and challenge for the new busines SATS
- Developing the stay-at-home market under the COVID-19

"Corporate Philosophy" Agritechnologies and sincerity

Existing business

Increasing yield
Stable of cultivation
Quality improvement

"Corporate Philosophy"

"Corporate Culture"
Agritechnologies and sincerity
Spreading the joy of cultivation

New D2C business

The joy of cultivation & harvest



The joy of delicious tastes & beautiful form

Professional farmer

Number of people engaged in agricultural: 1.68 mill. people

Average age: 67 years

Non-farmer

Number of people using farm or allotments: 3.6 mill. people

Contribute to Sustainable Agriculture with Human and environmentally Friendly



♦ ESG Management

Through ESG management, our group will promote business activities that could contribute to building a sustainable society.

The corporate activities of our group are itself an initiative toward the SDGs. In order to further improve the sustainability of our business, we will launch the following initiatives.

♦ To Do in the Future

- TCFD (Task Force on Climate-related Financial Disclosures) (March 2022)
 - Evaluate the financial impact of climate-related risks and opportunities
 - Reflect the results in the Corporate Governance Code
- Carbon Neutrality
 - Calculate GHG (greenhouse gas) emissions and set reduction targets
- Prepare OAT Agrio Group "Sustainability Report" (March 2022)

◆ESG Management, CSR and SDGs

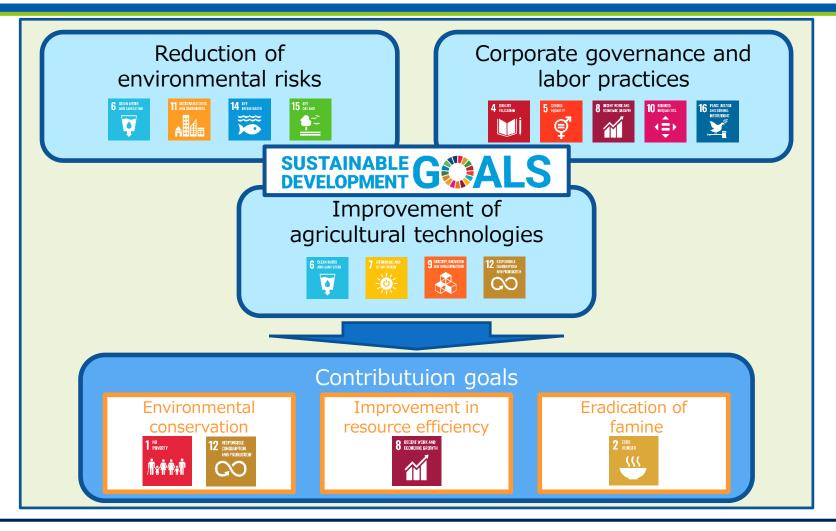


ESG	Materiality	KPI	SDGs					
E	Reduction and recycling of waste	Reduction of plastic waste and production loss Practical application of recycling of industrial raw materials	6 〒全年 1 1 (2-MH) 5 1 1 1 (2-MH) 5 1 1 (2-MH) 5 1 1 1 (2-MH) 5 1 1 1 2 5 7 5 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
En- viron-	Use of renewable energy and reduction of greenhouse gages	Promotion of use of renewable energy	12 968 AE 14 #959 TO					
ment	Exhaust and effluence management	Management of factory water consumption and effluence	6.3、6.4、7.2、11.6、 12.5、14.1、14.3					
	Working environment	Safe and accident-free workplaces						
	Product quality	Enhancement of quality assurance system	4 現の高い教育を 5 ジェンダー平等を 8 着きがいる AACは 5 実現しよう					
S Socie-ty	Personnel	Establish new ways of working and assessment system Compliance with and promotion of Act on Promotion of Women's Participation and Advancement in the Workplace	10 APROAFE 12 つ(ARE) 12 つ(ARE) 12 つ(ARE) 12 つ(ARE)					
,	Personnel training Human capital development	Support for acquisition of qualifications Theme based study programs	4.4、5.5、8.5、8.8、10.2					
	Supply chain Management	Develop distribution system Responsible procurement of raw materials	10.3、12.2					
G	Corporate Governance	Enhancement of governance and internal control Business transparency through information disclosure Promotion of stakeholder engagement	12 つくら系統 16 年間と記載を アイでのよこ 17 パーシナーシップで 日本学者によう					
Gover- nance	Risk Management	IT control						
riance	Compliance	Promotion and renewal of ISO9001 quality management	1/11/					

We are actively engaged in ESG management, including environmental protection and diversity promotion.

♦ SDGs Activities





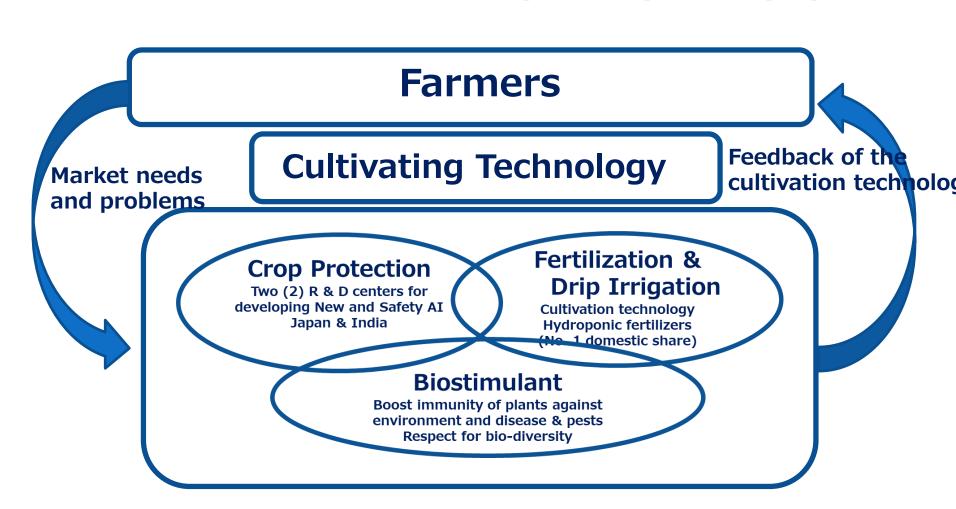
The corporate activities are itself an initiative toward the SDGs.

The spread of "agri-technology" will lead to "environmental protection,"
"improvement of resource efficiency," and "eradication of hunger.

♦ The Role of OAT Agrio group



OAT Agrio group aims to spread the agritechnology in a world to achieve the corporate philosophy.









A company that challenges cultivation by employees themselves in order to spread Agritechnology to the world









"Corporate Philosophy" We contribute to the people in the world with our agritechnologies and sincerity.

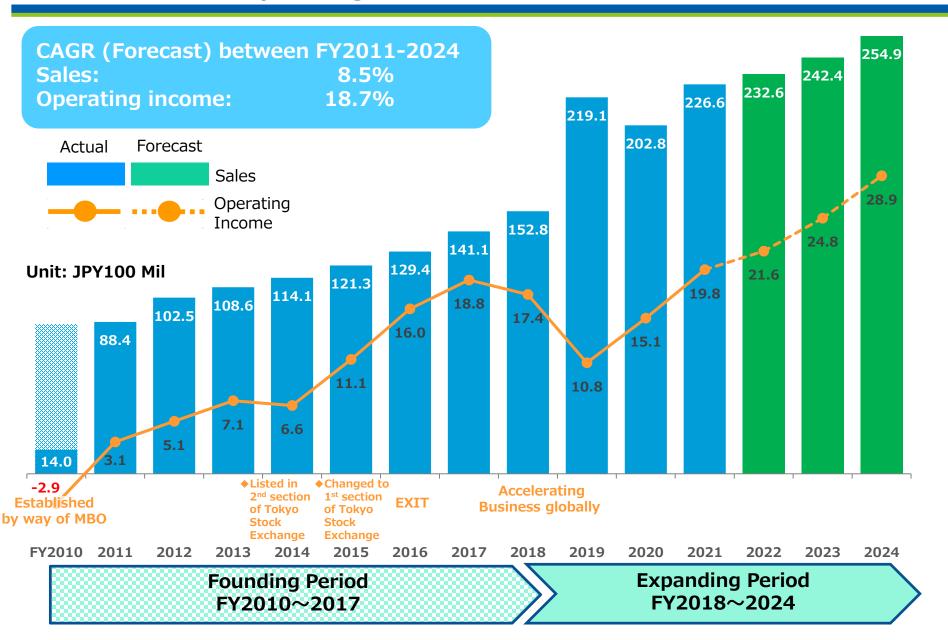
"Realization of Corporate Philosophy" We aim to become a company that spreads "agritechcnologies" widely throughout the world through "cultivation".

"Corporate Culture" We share the fun & the challenge of cultivation from our experiences with the world.



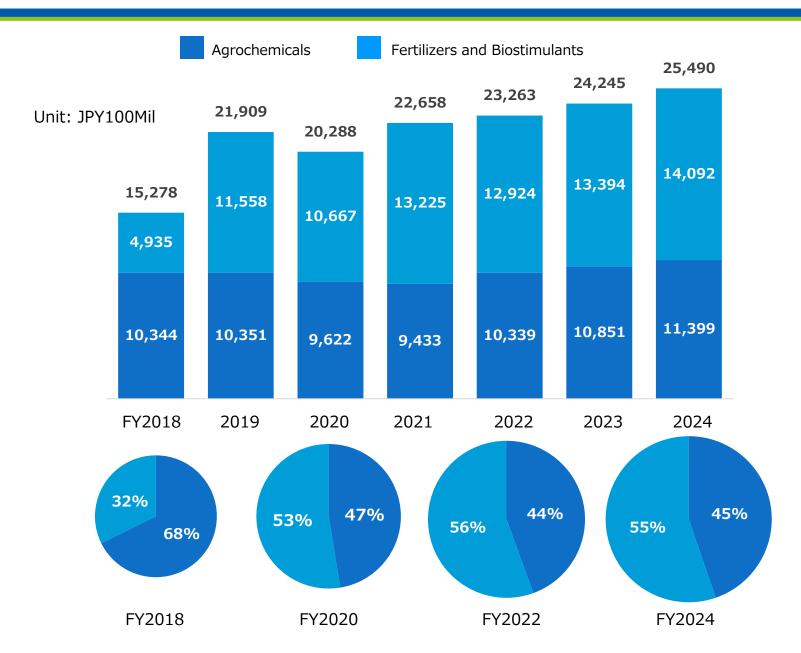
Net Sales and Operating Income from 2010 to 2024





◆Plant Protection Products, Fertilizers & Biostimulants → OAT 9









- This document describes the outlook for the Company and the Group, plans for the future, etc. These forward-looking statements are based on current assumptions about future events and trends, and there is no guarantee that these assumptions are accurate. Due to various factors, actual results may differ materially from those described in this document.
- Information about companies other than our company relies on publicly known information.
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