

## New Mid-term Business Plan [Revised for FY2023-FY2025]

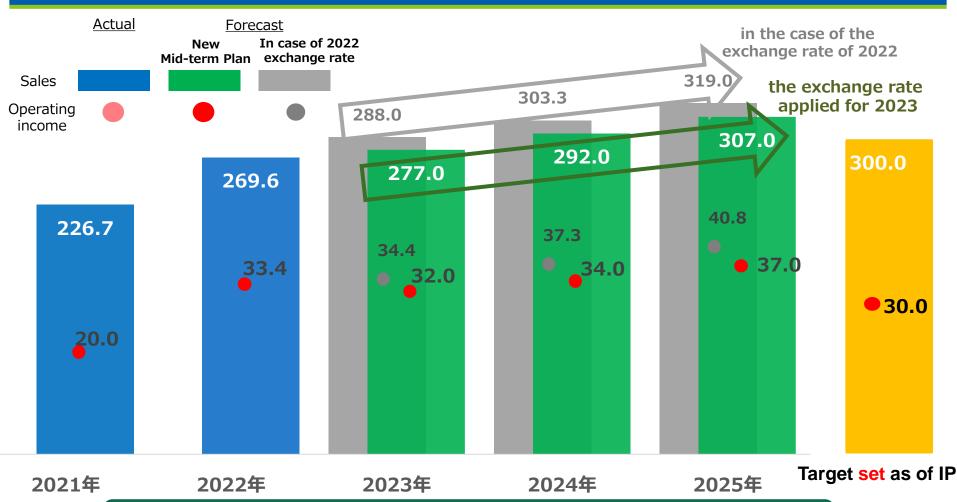
"Toward the New Challenges"

February 2023

OAT 9 OAT Agrio Co., Ltd.

### **♦ New Mid-term Business Plan 【FY2023-FY2025】**





Considering the recent rapid exchange rate fluctuations, the severer exchange rate is applied for the 2023-2025 business plan

Achieved 3 billion yen of operating income target in 2022 (8th year after IPO) Expecting to achieve initial sales target of 30 billion yen in 2025 (11th year after IPO)

### **Corporate Philosophy**



♦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 market share in Japan

### **Biostimulant**

Boost immunity of plants against environmental stress and disease & pests Respecting for bio-diversity



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

### **♦** Pursuing agritechnologies



Increasing of food supply is essential



Developing the resistance against plant protection products due to repeated use of pesticides



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

Massive consumption of energy



Destruction of nature





UN declared 2015 is the Int'l Year of Soils

New active ingredients development Crop protection

Enhancing crop immunity
Biostimulants

Supply minimum required water and fertilizer Fertilization & Drip irrigation



## New Mid-term Business Plan [2022-2024]

< Summary of 1<sup>st</sup> year-2022 >

◆ Summary of 1<sup>st</sup> year : (previous) New Mid-term Business Plan【2022-2024】



**\*\*** (previous) New Mid-term Business Plan [2022-2024] set on Feb. 2022 Achieved the 3<sup>rd</sup> year target in the 1st year, 2 years ahead of schedule Established the basis of sustainable growth for long-term vision, by focusing steadily on the growing drivers under the drastically changing world circumstances.

Unit: M JPY

Item	Result FY2021	Plan FY2022 【1 <sup>st</sup> year 】	Result FY2022	Plan FY2023 【2 <sup>nd</sup> year】	Plan 2024 【3 <sup>rd</sup> year】
Sales	22,678	23,263	<b>26,960</b> vs PY 118.9% vs BU 115.9%	24,245	25,490
Operating Income	2,001	2,155	3,346 vs PY 167.1% vs BU 155.3%	2,482	2,890
Ordinary Income	1,989	2,032	3,385 vs PY 170.2% vs BU 166.6%	2,367	2,791
Net income attributable to owners of the parent company	1,456	1,329	<b>2,261</b> vs PY155.3% vs BU 170.1%	1,564	1,901





◆ Focusing on the growing-driver products, enhancing the launching of new products, entering into smart agriculture, and maximizing the synergy in the global base.

### Pursuing Growing-Drivers

- Green Products (GP)
- Biostimulants (BS)
- Stimulating demand in the greenhouse horticulture field (smart agriculture, utilization of AI growth diagnosis)
- Developing products globally

- Increasing sales by launching new products in the fruit/citrus market
  - refer to Appendix 1
- Elucidation of the mode of action) for Atonik
  - refer to Appendix 2
- Start-up "Agrio Strawberry Master" and providing Cultivation Support Manual
  - refer to Appendix 3
- Expanding the sales area
  - refer to Appendix 4

## Maximizing global synergies

- > Stirring communications among group companies
- Globalization of R&D

 Pursuit of synergy effect among OAT group

- refer to Appendix 5

 Improving efficiency for R&D in the Netherlands, Spain and Japan



Expansion of the sales of "Acaritouch" - physical control agent - in Japan's largest Apple market, and "Suffoil" for Tomato and Satsuma Mandarin Orange in the Greenhouse Horticulture Markets





Sales of Acaritouch







Sales of Saffoil





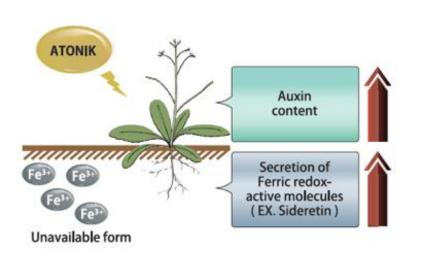
### Elucidation of Mode of Action for our Biostimulant Unveiled the poster presentation at Biostimulants World Congress

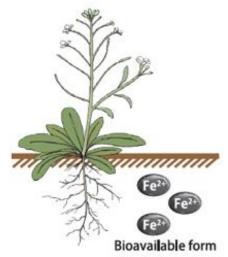
By Atonik® treatment,

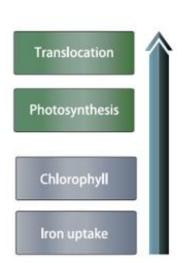
- •Auxin contents in plants increased via *ERF109* gene.
- •Secretion of sideretin, which converts
  Fe<sup>3+</sup> to bioavailable Fe<sup>2+</sup> was stimulated,.
  ATONIK can enhance the productivity of plants, and affect higher yield and better quality.

Biostimulants World Congress Delivered as a Hybrid Event

29 November - 2 December 2021 DIPLOMAT BEACH FLORIDA







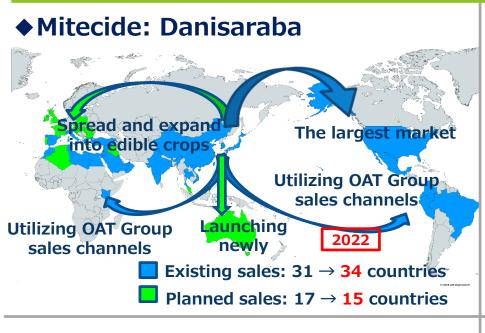


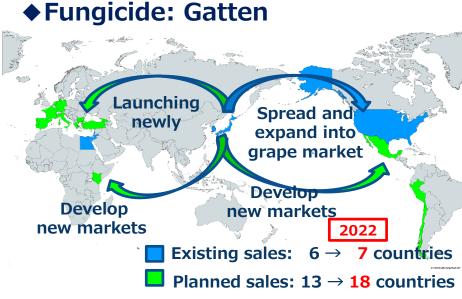
Launch of "Cultivation Support Manuals" for 18 major crops Carrying out activities to capture the producers by Original **Cultivation Manuals applying OAT products** 



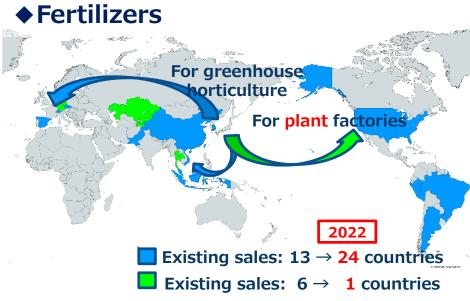
### [Appendix 4] Expanding the sales area with global development OATS









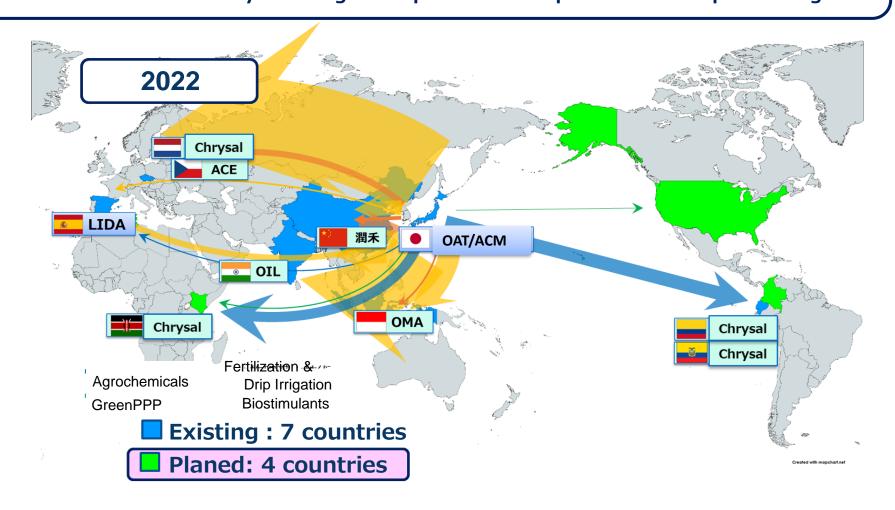


### [Appendix 5] Enhance the synergies among OAT group

Achieved 122% of sales increase mainly in the European group (results in 2022)

Launched a project to expand the sales of group company products to South America/Asia

Commencement of the study for the global optimization in production and purchasing







 Building a corporate culture and working toward management that contributes to human- and eco-friendly sustainable agriculture, while enhancing our corporate value

#### Corporate Culture

- Putting into practice the cultivation technology『Agritechnology』
- Conveying the "Fun" of cultivation

- To provide OAT's Original Manuals for Cultivation
- · Launch of Cultivation Media Site
- · Instagram: Reached 30,000 followers
  - Appendix 6

# Human- & Eco-friendly Sustainable Agriculture

- Engaging in sustainability management
- contributing to local communities

- · Issue of Sustainability Report
- Establish Sustainability Committee
- Continue the calculation for Scope 1,2, while stating the calculation for Scope 3
- Conclusion of partnership agreement with Shintomicho
  - Appendix 7

### Corporate Value

Strengthening the management base

• To define the financial target:

Ratio of net worth Consolidated ROE Net D/E Ratio

### [Appendix 6] Launch of Cultivation Media Site



We want to deliver the "Joy of Cultivating", "Emotion of Watching" and "Contentment of Eating"

An image video "Agriculture and people's livelihoods are inherited" should convey the importance of both food and agriculture through the growth of a girl.

Created a cultivation media site website to convey the fun of cultivation

There are over 30,000 followers of daily posts on Instagram related to the cultivation.







OATアグリオの願い 動画公開中



### [Appendix 7] Contribute to the promotion & development for the local agriculture

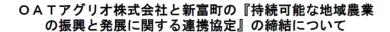
#### **Shintomi Town Development Project**

- Executed a partnership agreement covering the promotion and development of local agriculture with Shintomi, Miyazaki Prefecture (January 2022)
- Agrio Ichigo\* Master comprehensive cultivation solutions service
- Demonstration of Probioponics, hydroponic cultivation for which organic fertilizers are used
- \*Ichigo is the Japanese term for strawberry.



2022年1月25日

OATアグリオ株式会社 宮崎県新富町



OATアグリオ株式会社(本社:東京都千代田区、代表取締役社長 岡 尚、以下、OA Tアグリオ)と宮崎県新富町(町長:小嶋 崇嗣、以下、新富町)は連携のもと、協力して 次の連携協力事項を推進することにより、持続可能な地域農業の振興と発展に寄与すること を目的として、連携協定を締結しましたので、お知らせいたします。

- (1) ICT 技術を活用したスマート農業を導入し、栽培管理作業の自動化・省力化に向けた 技術の実証実験及び開発に関すること
- (2) 有機質肥料活用型養液栽培(プロ 環型栽培による環境負荷及び化学 すること。
- (3) 地域農業の活性化及び人材育成
- (4) 企業参入による地域農業の振興
- (5) その他両者が必要と認める事項

OATアグリオグループは、『食糧増減 貢献します』という経営理念の下、先進



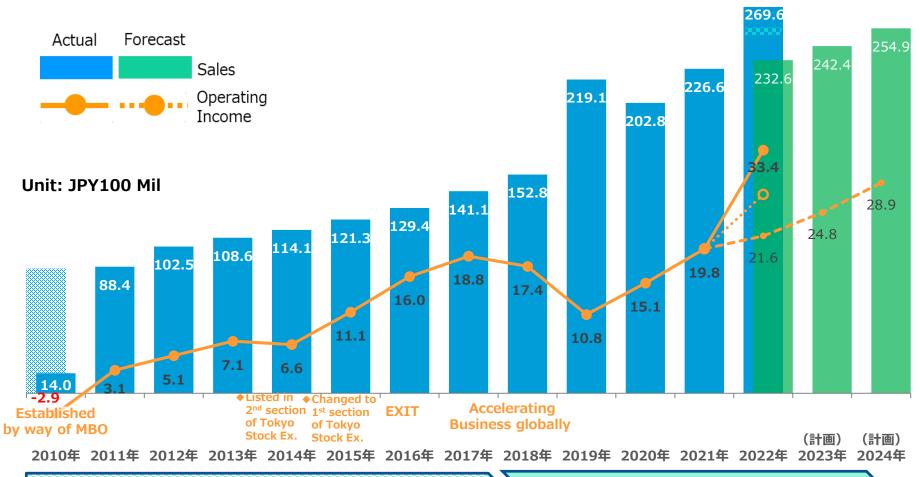
#### 新富町開発事業 構想イメージ図



### ♦ Net Sales and Operating Income from 2010 to 2024

CAGR (Forecast) between FY2011-2024 Sales:8.5% Operating income:18.7%

CAGR (Actual) between FY2011-2022 Sales:10.7% Operating income:24.1%

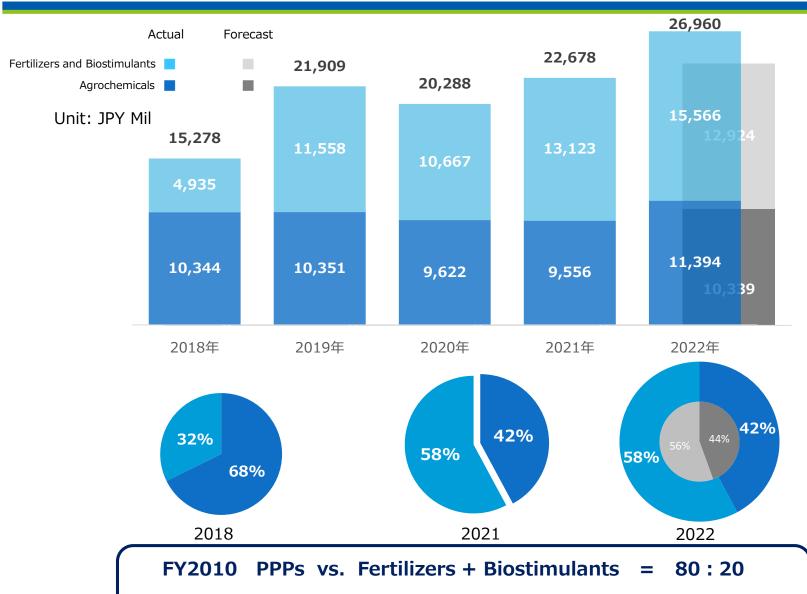


**Founding Period** FY2010~2017

**Expanding Period** FY2018~2024

### Sales Proportion: PPPs vs Fertilizers & Biostimulants A OATS





PPPs vs. Fertilizers + Biostimulants FY2022 40:60

(as a result of the progress of globalization )

### **♦** Performance of Green PPPs in 2022



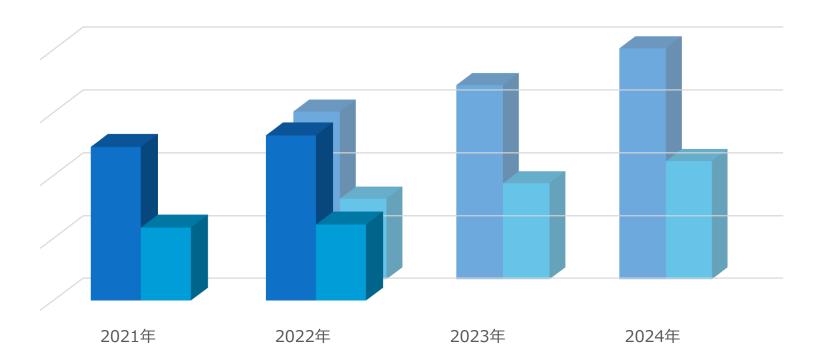
[Target for FY 2024] Sales 151 % vs 100 % (FY2021)

**Gross profit** 162 % vs 100 %

**(FY2022 result)** 107 % vs 100 % (FY2021) Sales

**Gross profit** 104 % vs 100 %

2021~2024年売上・粗利推移予測



### Performance of Biostimulants in 2022



(Target for FY 2024) Sales 124 % vs 100 % (FY2021)

**Gross profit** 128 % vs 100 %

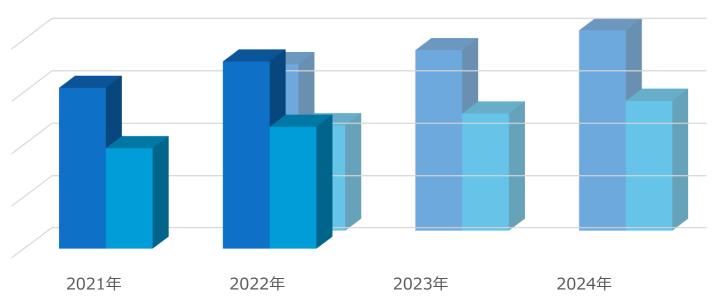
[FY2022 result] Sales 107 % vs 100 % (FY2021)

> **Gross profit** 104 % vs 100%

Atonik: Sales volume: 115%, Sales amount: 123% (year on year)

·Sales amount of LIDA PR S.L.: Mexico 139%, USA 227%(year on year)

Results and Forecasts for Sales/Gross profit from FY2021 to 2024

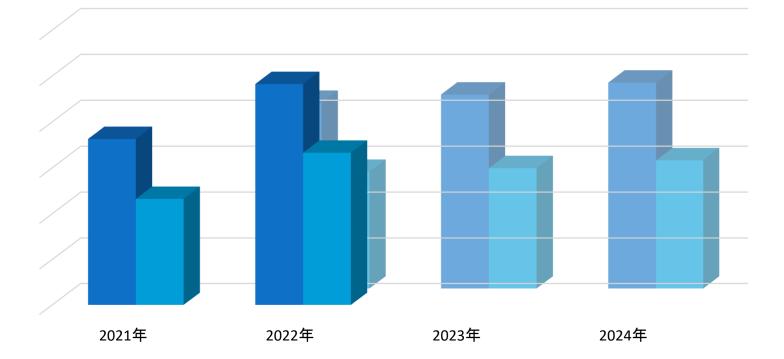


# ♦ Performance of Overseas business in 2022 → OAT 9



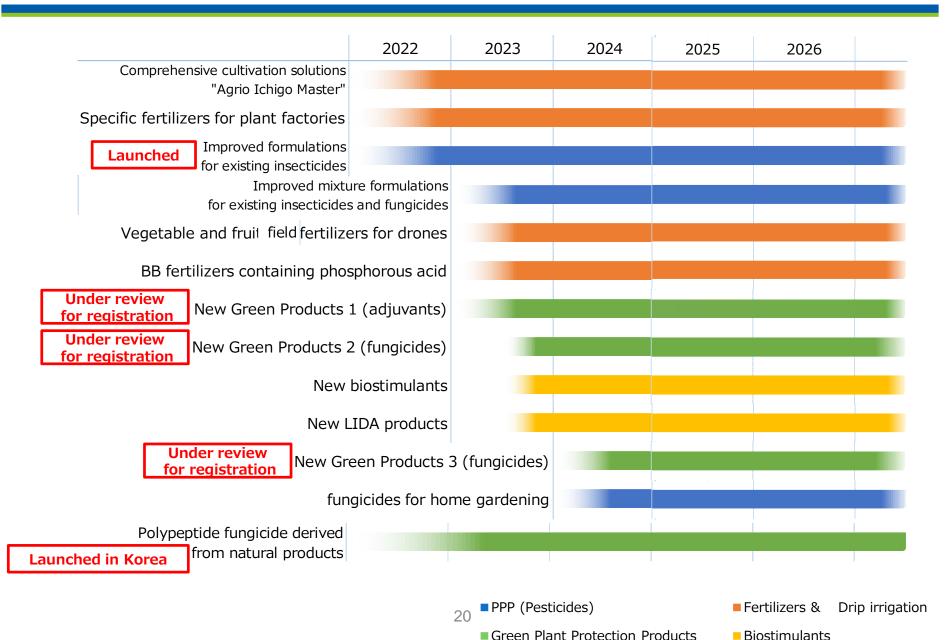
(Target for FY 2024)	Sales	120 % vs	100% (FY2021)
	Gross profit	117 % vs	100%
[FY2022 result]	Sales	132 % vs	100 % (FY2021)
	Gross profit	143 % vs	100 %

Results and forecasts for Sales/Gross profit from FY2021 to 2024



### **♦** Launching New Products in 2022







### Long-term vision

∼ A Goal to Reach ∼

### ◆ Change of External Environment (Trend Forecast)



#### **Increase of Negative Risks: In 2022 and beyond**

- Russian-Ukrainian conflict (Feb 2022)
  - Escalating in energy and raw material costs
  - Rising grain prices
  - Global food-supply shortage
- Decreasing area under tillage over the world
- **♦** Impact of Changes in a social environment in Japan
  - Declining birthrate, Accelerating aging and Decrease in population
  - Increase in abandoned cultivated area
  - Emerging food security problems (To improve the food self-sufficiency rate)



- Growing geopolitical risk
- Instability of exchange rate
- Increasing environmental costs

### Positive (Chance): In 2022 and beyond

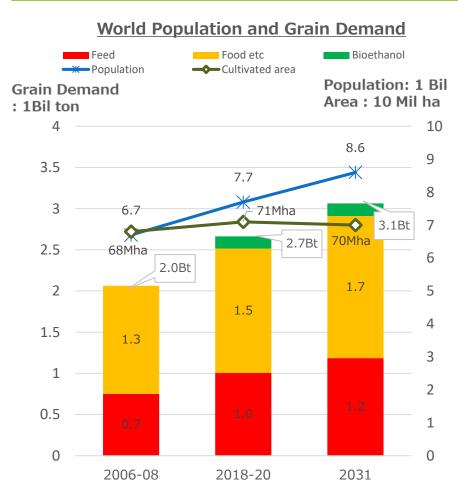
- **♦** The world population exceeds 8 billion. (Nov.2022)
- ◆ Trends toward a decarbonized society Raising Awareness of Sustainability
- ◆ Strategy for Sustainable Food Systems (MAFF, Japan)
  - •Reducing 50% of chemical pesticide usage and 30% of inorganic fertilizer usage
  - Expanding the ratio of organic farming to 25%(1mil ha)
- ◆ Promoting corporate entry into agriculture, an increase in large-scale farmers, and Direct entry of municipal government into agriculture

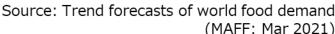
OAT Agrio Group makes a big chance by mastering "Agritechnology".

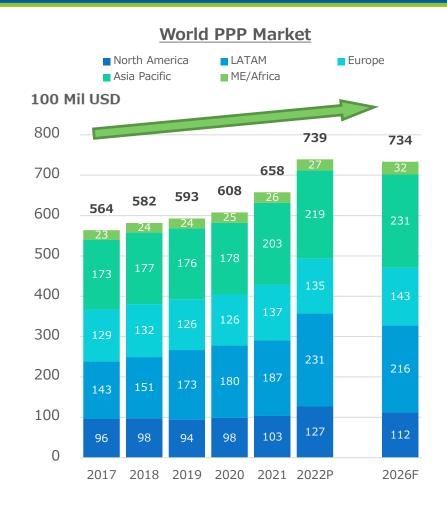


#### World Population, Grain Demand, PPP Market









Source: AgbioInvestor

- ◆Increasing Population & Grain Demand, but No expansion for Areas under tillage
  - ⇒ Need to improve the productivity/area
- **Expanding the requirement of PPP**  $\Rightarrow$  CAGR 3.2% during 2020 to 2026

◆ Challenge to "Strategy for Sustainable Food Systems" (MAFF, Japan)



 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.

### **OAT Company Philosophy**

"Mastering Agritechnology"

### ♦ Vision in 2050

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



**Providing solutions for cultivation Spreading Smart Agriculture** 



Promoting environmentally friendly products-Green Products Promoting a Biostimulants products



To reduce 25% of fertilizer use by introducing a hydroponic soil cultivation system



Hydroponics using organic fertilizers called "Probioponics"

**\*\*Acquired JAS standard (Mar 2022)** 

2/

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

### ◆ Long-Term Vision of the OAT Agrio Group

Capable of facing the challenges
of creating new markets
with original ideas
A "Respond to Changes" Oriented Company

Responding to the external environment and regional specifics A Company which Is Sensitive and Perceivable for Diversity

Plant protection products
Fertilizers & Drip irrigation
(cultivation technology)
Biostimulants
A Company Contributing to
the Future of Agriculture

We will take steps toward realizing our long-term vision through the growth of our human resources, which sprout like leaves and branches from the trunk and soil of our management philosophy.



We always try to improve the corporate value under our philosophy, aiming for "A goal to reach" based on the long-term vision

### 3 Actions

Mastering "Agritechnology"

**Building a "Corporate Culture"** 

Contributing to "Human- and Eco-friendly Sustainable Agriculture"

Mastering the "Agritechnology" [case1]



## Developing new & safe synthetic PPP, Green PPP, and Biostimulant products with "human & environmentally friendly"

Beyond the category of "agrochemicals", our global R&D system can make us develop ppp and biostimulant products that are friendly to humans and the environment

### "Power to keep going"

- Human- and environment-friendly synthetic ppp with high safety guaranteed
- > Environmentally friendly and organic JAS compliant Green PPP
- Demonstrating Clarification of the Mode of Action with "Science"
- Biostimulant products increasing the yield and improving the quality by enhanced immunity

Environmental conservation

Improving resource efficiency

Eradication of hunger



### **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 plant protection products.

### Why GPPP is needed?

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



◆ Mastering the "Agritechnology" [case①]



### **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?

ed

Increasing the yield and improving the quality by enhanced immunity

Enhancing the plant resistance to stresses

Improving the quality of the seed set, sugar content and color of the fruit

Adjusting and improving the water balance in plants

Improving the physical properties of farmed soil





### Providing total solutions backed by "cultivation technology" Creation of new business in the horticulture area of expertise

- Providing "the total solution services" close to producers with the fusion of agritechnology and cultivation technology
- Establishment of greenhouse horticulture for SDGs and practice of smart agriculture

### "Accumulated knowledge"

- "Agrio Ichigo Master" serves comprehensive cultivation solution in the field of greenhouse horticulture
- > Demonstrating of "Probioponics" hydroponics using organic fertilizer for tomatoes, melons, strawberries, lettuce, green peppers, and cucumbers, etc.
- Aiming to maximize fertilization efficiency

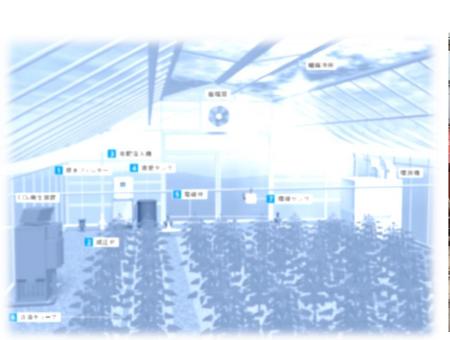
Promotion & development of sustainable regional agriculture

"Community" creation

### ◆ Mastering the "Agritechnology" [case②]

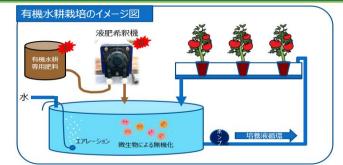


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- Demonstrating "Probioponics" hydroponics using organic fertilizer for tomatoes, melons, strawberries, lettuce, green peppers, and cucumbers, etc.
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#### **Probioponics**







Growth diagnosis system

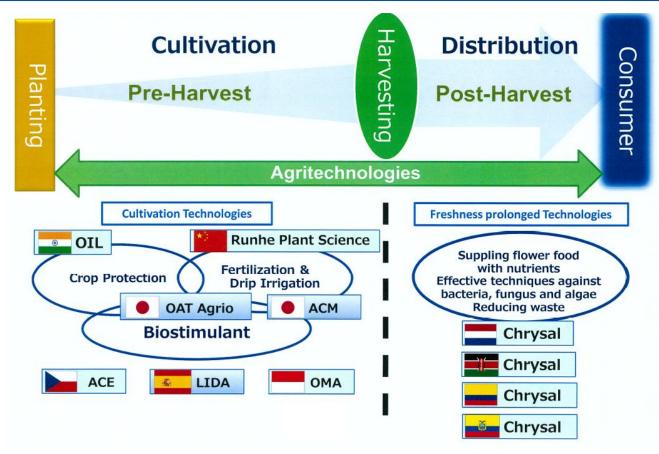


**◆** Mastering "Agritechnology" [case③]



We create new businesses in the value chain for agriculture with our synergies in a global base

We create and provide solutions with new freshness-preservative technology





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

We share the "Wonder of cultivation" with the world, delivering "Joy of cultivating", "Emotion of watching" and "Contentment of eating" to all people



### **◆**Taking on challenges for new business



- > We challenge to develop new D2C businesses, showing the way to enjoy cultivation more easily.
- Hope that experience of "Joy of cultivating", "Emotion of watching" and " Contentment of eating" makes you feel the importance of "Increase of food production" OAT advocates.







**♦** Management Philosophy and Corporate Culture



### "Management Philosophy"

We contribute to the people in the world with our agritechnology and sincerity.

### "Corporate Culture"

We deliver the fun & the challenges of cultivation based on our experiences with the world.



### "Realization of Management Philosophy"

Diffusing of our agritechcnologies to contribute to the human and eco-friendly sustainable agriculture could realize the "Environmental conservation", "Improvement in resource efficiency" and "Eradication of famine".



### "Mastering Agritechnologies" leads to



delivering "Joy of cultivating",

"Emotion of watching"

and "Contentment of eating" to all people

### Practice of sustainable management



### ◆ ESG Management

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

We feel the Group's corporate activities themselves contribute to the SDGs. To further improve the sustainability of our business, we have taken the following initiatives in FY2022.

### ♦ Our initiatives for 2022 summary and 2023 onward

- Responding to CDP Surveys rated B- of Dec 2022
   https://www.cdp.net/ja/responses?queries%5Bname%5D=OAT+Agrio
- Efforts toward carbon neutrality
   Calculate GHG (Scope1,2&3) emissions and set reduction targets on going
- Publishing OAT Agrio Group "Sustainability Report" (March 2022) updated every year https://www.oat-agrio.co.jp/whome/wpcontent/uploads/2022/03/2022033001.pdf



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"Toward the New Challenges"

February 2023

OAT 9 OAT Agrio Co., Ltd.

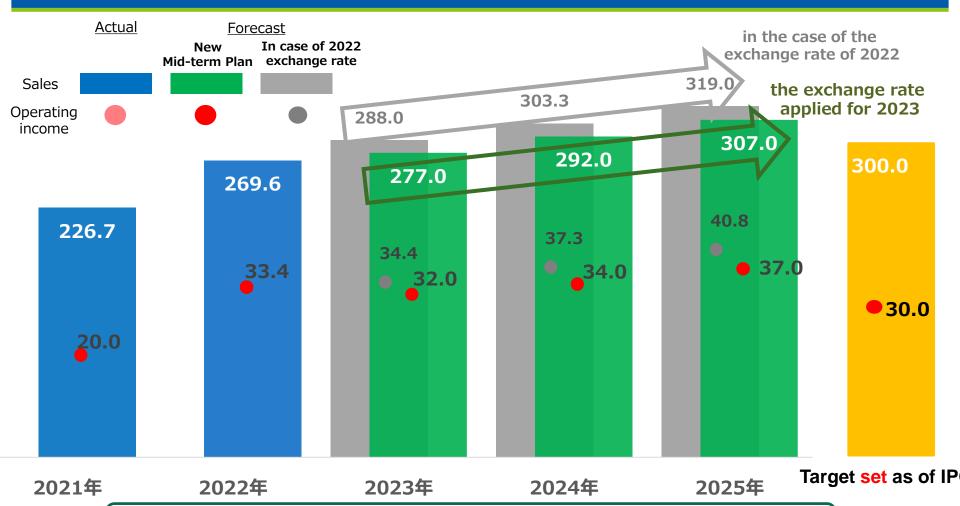


## OAT Agrio Group will definitely do it under our philosophy

- Pursuing the Growing Drivers
- > Focus on Global Synergies among the Group
- Building a "Corporate Culture" and Taking on new business challenges
- Contributing to "Human and Eco-friendly Sustainable Agriculture"
- > Enhancing our corporate value

### ◆ New Mid-term Business Plan 【FY2023-FY2025】





Considering the recent rapid exchange rate fluctuations, the severer exchange rate is applied for the 2023-2025 business plan

Achieved 3 billion yen of operating income target in 2022 (8th year after IPO) Expecting to achieve initial sales target of 30 billion yen in 2025 (11th year after IPO)

### **♦** Green PPPs

### **Growing-driver** [FY2023-FY2025]

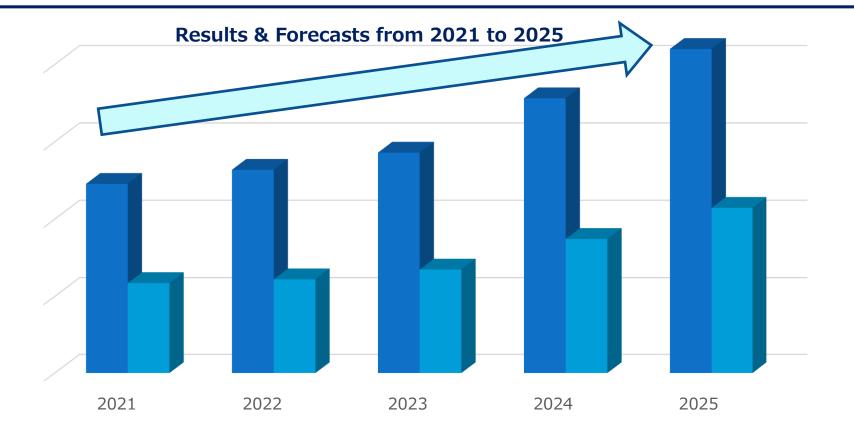
100% vs

**175%** 

Target for FY2025		FY2022	FY2025		
	Sales	100%	VS	161%	

**Gross profit** 

- Expanding the use in the domestic fruit and citrus market
- Expansion is expected by launching of new products



### **♦** Biostimulants

### Growing-driver [FY2023-FY2025]

25]

[Target for FY2025] FY2022 vs FY2025

Sales 100% vs 123%

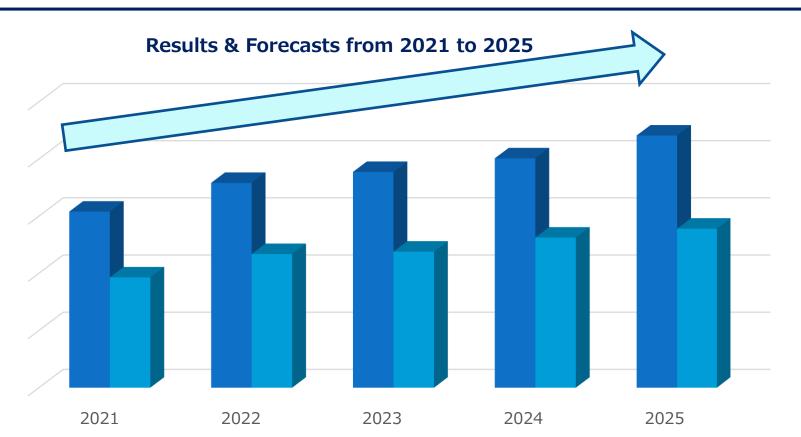
Gross profit 100% vs 118%

·Atonik : Expanding the sales by label extension in India, China, EU

and other markets

LIDA products: Expanding the sales promotion in North, Central &

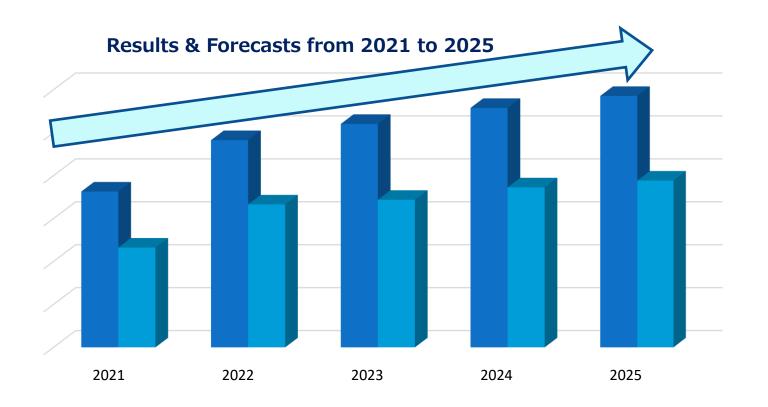
**South America and Asia** 



### Overseas business Growing-driver [FY2023-FY2025]

Target for FY2025	FY2022	FY2025
Sales	100% v	s 121%
Gross pr	ofit 100% v	s 116%

\*Existing products: To increase the sales volumes and amount by expanding the registered countries Aiming to have registration in over 100 countries



### **♦** Management Index



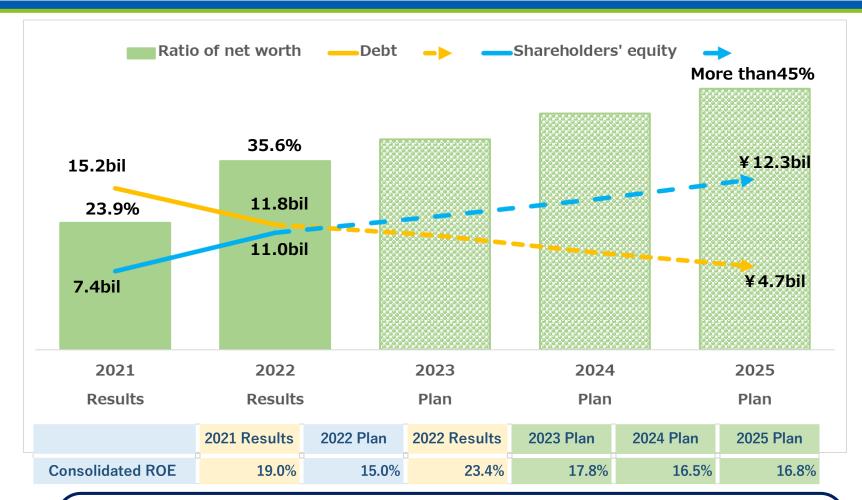
### **♦** New Mid-term Business Plan, consolidated

Unit: 100 Mil

	Results FY2021	Plan FY2022	Results FY2022	Plan FY2023	Plan FY2024	Plan FY2025
Net Sales	226.5	232.6	269.6	277.0	292.0	307.0
Operating Income	19.8	21.5	33.4	32.0	34.0	37.0
Ordinary Income	19.7	20.3	33.8	31.2	32.8	36.0
Net for the Period Attributed to Shareholders of the Parent	14.4	13.2	22.6	21.0	21.1	25.5
Operating Income Margin	8.7%	9.3%	12.4%	11.5%	11.7%	12.1%
Consolidated ROE	19.0%	15.0%	23.4%	17.8%	16.5%	16.8%

#### New Mid-term Business Plan 【FY2023-FY2025】 Target for Financial Index





### Targets for FY2025

More than 45% Ratio of net worth:

More than 15% Consolidated ROE:

Net D/E Ratio 0.1





- 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.
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