

# New Mid-term Business Plan

## 【Revised for FY2024-FY2026】

**“Make investments in  
for further growth”**

February 2024



**OAT Agrio Co., Ltd.**

## ◆ Corporate Profile

Company Name	OAT Agrio Co., Ltd.
Business Domain	Research and development, manufacture and sale of Agrochemicals, fertilizers and biostimulants
Head Office	8th Floor, NBF Ogawa-machi Bldg.1-3-1 Kanda Ogawa-machi, Chiyoda-ku, Tokyo 101-0052, Japan
Establishment	September 28, 2010
Capital	461.9 Million Yen
Fiscal year end	December
Representative	Hisashi Oka, President & CEO
Number of Employees on consolidated basis	697 as of the end of December 2023 Same below
(Female)	214 (30.7%)
(Foreigner)	443 (63.6%)
(Researcher)	129 (18.5%)
Rate of R&D expenses	Approximately 10% of sales (2023 results: 2,040 million yen 7.0%)

# ◆ OAT group company

**LIDA Plant Research S. L.**



**OAT&IIL India Laboratories**



**PT.OAT MITOKU AGRIO**



**Chrysal  
(Blue Wave Holding B.V.)**



**OAT Agrio Co., Ltd.**



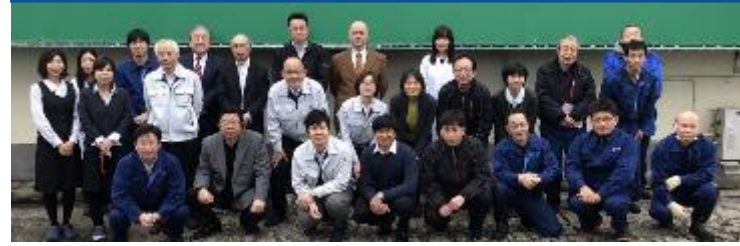
**Runhe (Zhoushan)  
Plant Science Co., Ltd.**



**Asahi Chemical Europe s. r. o.**



**Asahi Chemical Manufacturing Co., Ltd.**

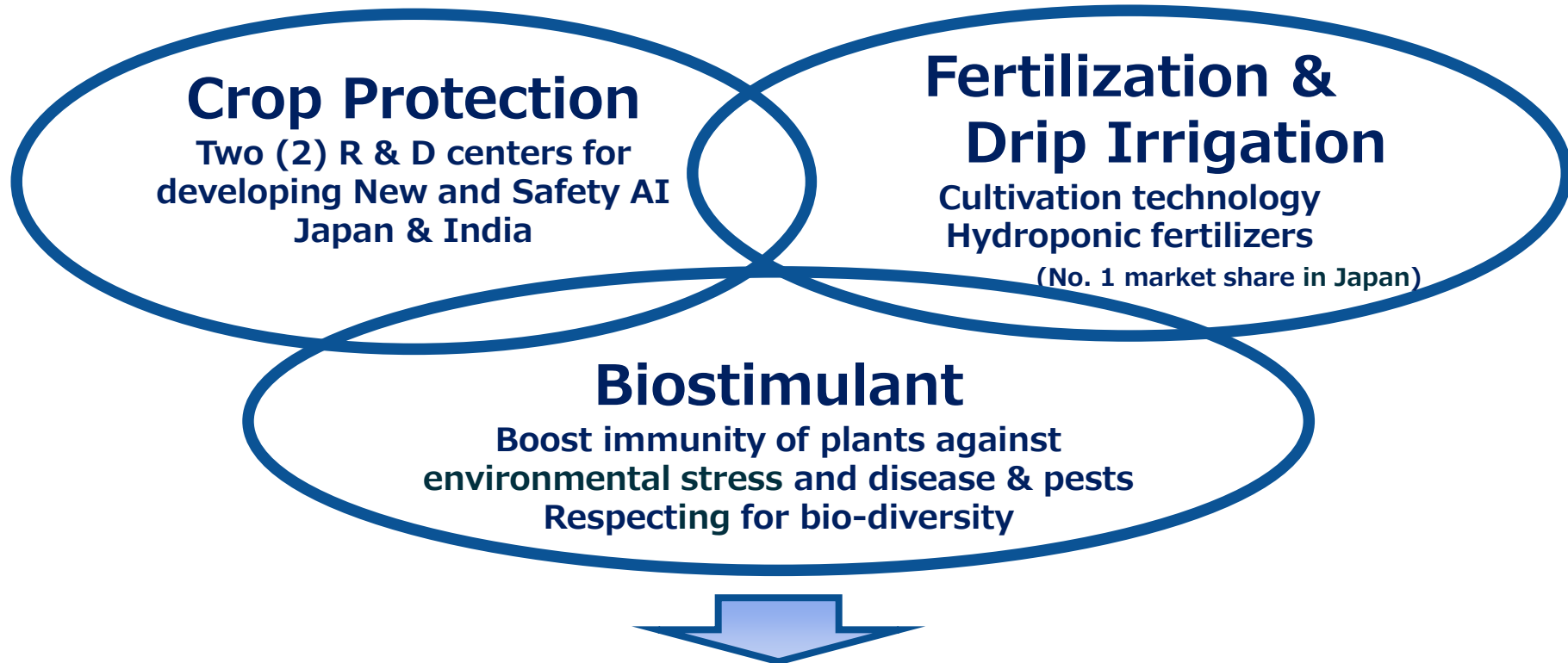


**Inplanta Innovations Inc.**



## ◆ Our philosophy and 3 business domains of agritechnologies

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



**“Corporate Philosophy”**  
We contribute to the people in the world  
with our agritechnology and sincerity

## ◆ Summary of 3 years

### Business expansion through “growth drivers”

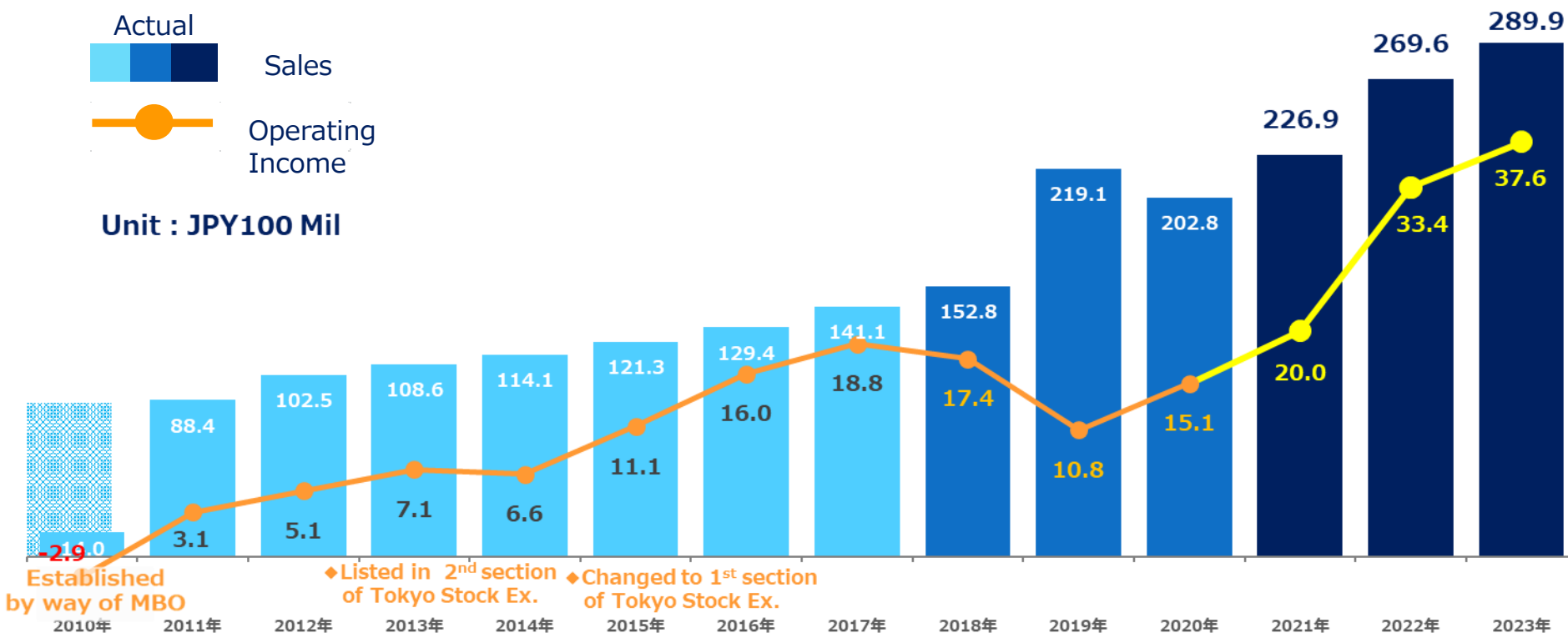
- Expand sales of “Green PPP” to fruit tree etc.
- Increase in “Biostimulant products” used in 89 countries to 96 countries
- Development of smart agriculture with Growth diagnosis using AI in the “greenhouse horticulture field”
- “Global business expansion” with an overseas sales ratio of over 70%

Unit : JPY Mil

科目	Consolidated Result FY2020	Consolidated Result FY2021	Consolidated Result FY2022	Consolidated Result FY2023	cf. 2020 Amount Growth rate
Sales	20,288	22,678	26,960	28,988	+ 8,700 142.9%
Operating Income	1,512	2,001	3,346	3,766	+ 2,254 249.1%
Ordinary Income	1,346	1,989	3,385	3,800	+ 2,454 282.3%
Net income	837	1,456	2,261	2,488	+1,651 297.2%

# ◆ Net Sales and Operating Income from 2010 to 2024

Average annual growth rate	Founding Period FY2010~2017	Expanding Period FY2018~2023	Increase amount 2023 performance compared to 2018
Sales	8.1% (2011-17)	13.6%	137.1
Operating Income	35.0% (2011-17)	16.4%	20.2



**Founding Period  
FY2010~2017**

**Expanding Period  
FY2018~2023**



## Our Definition of Green PPP

Safe and environmentally friendly plant protection products without restrictions on application times such as natural / food additive-derived or organic JAS-compliant plant protection products.

### Why Green PPP is needed?

Natural / food-derived

No limit to the number of times it can be used

Difficult for pests to acquire drug resistance

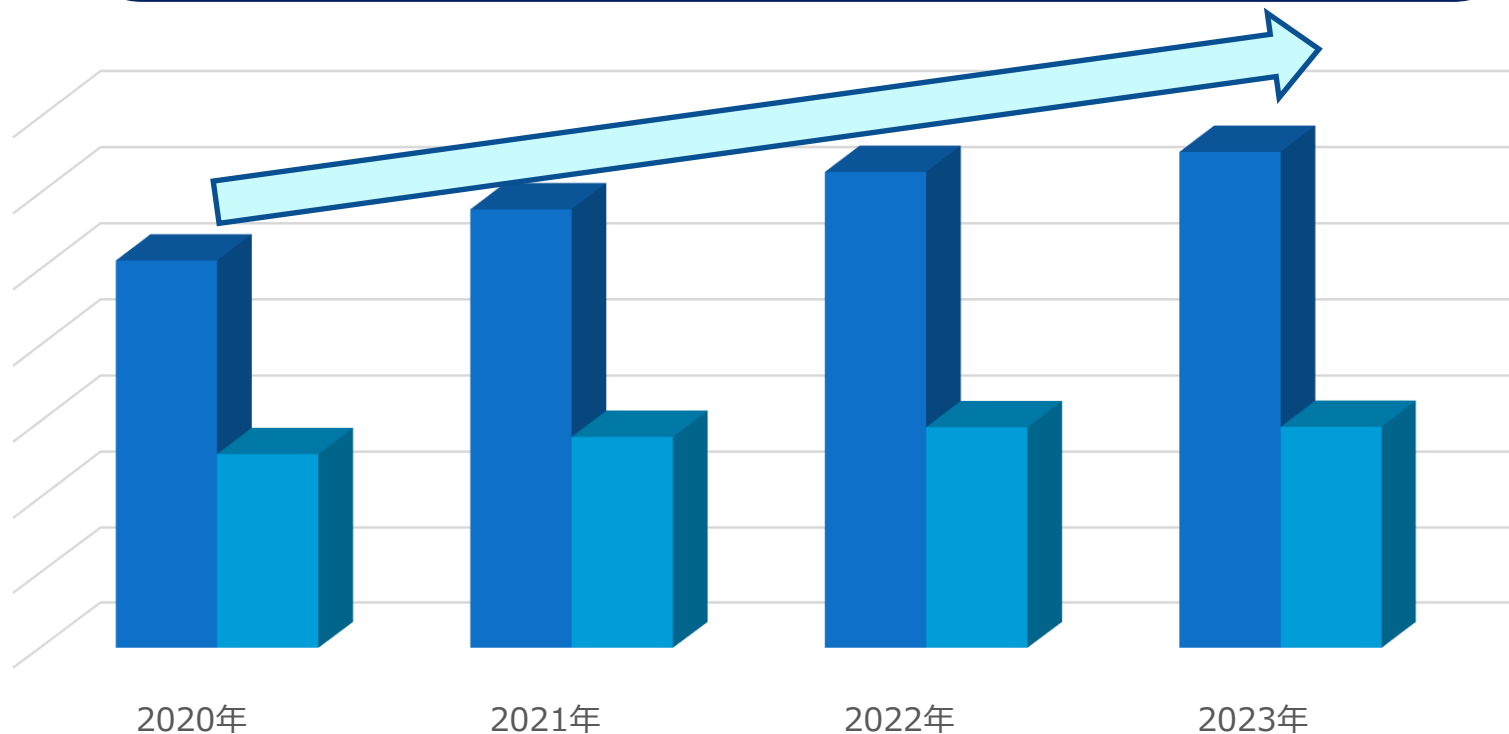
Friendly to natural enemies and fits IPM



## Expanding the sales of Green PPP in 3 years

### 2023 Results compared to 2020

	Sales increase rate	Gross profit increase rate
Suffoil :	201%	190%
Kaligreen :	111%	105%
Acaritouch :	123%	123%
<b>Green PPP :</b>	<b>127%</b>	<b>114%</b>





## 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 of the seed set, sugar content and color of the fruit

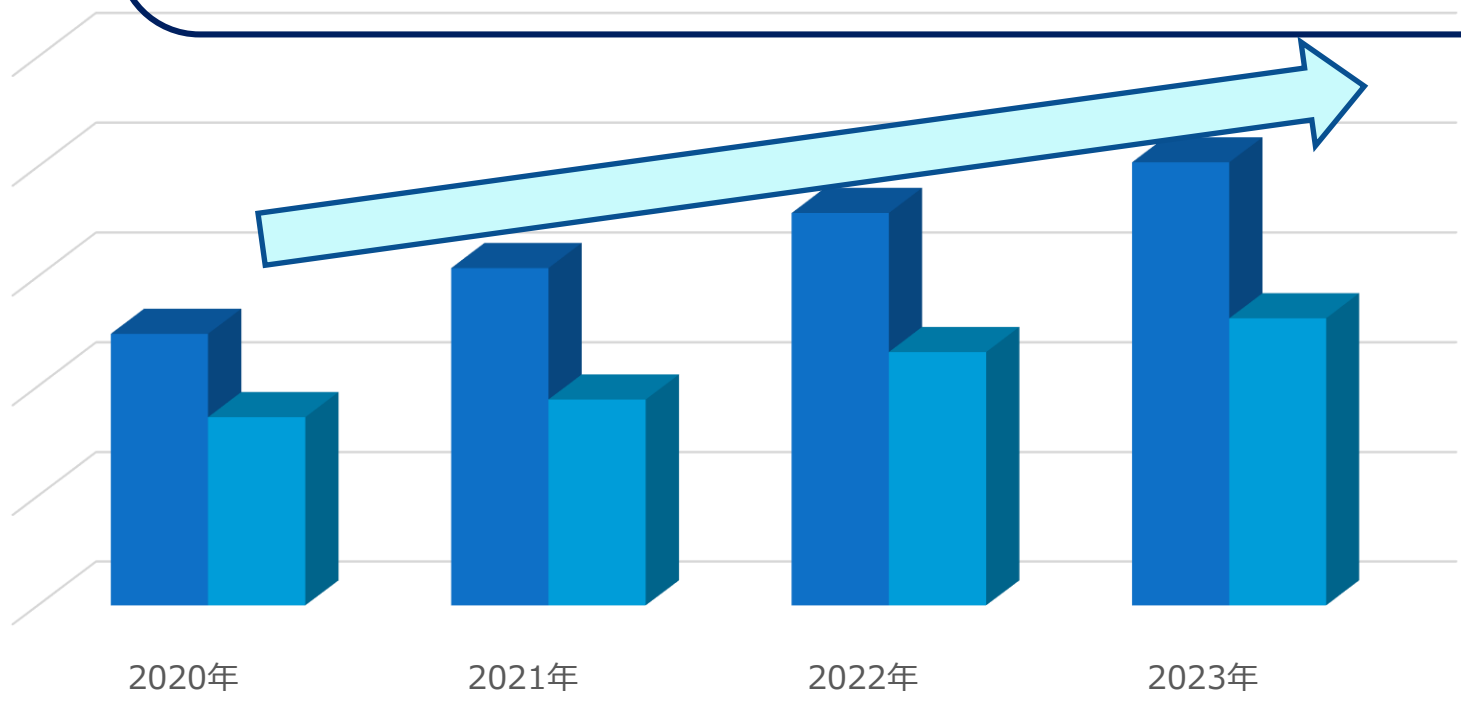
Adjusting and improving the water balance in plants

Improving the physical properties of farmed soil

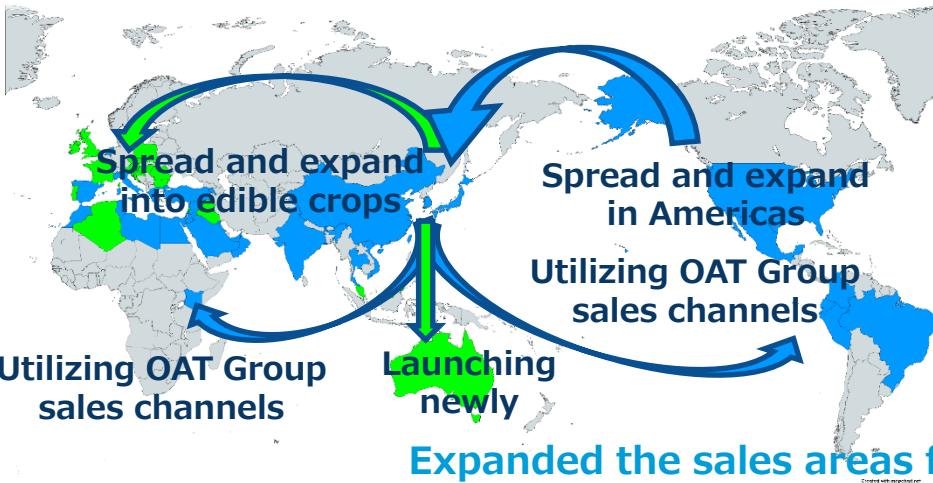


# Expanding the sales of Biostimulants in 3 years

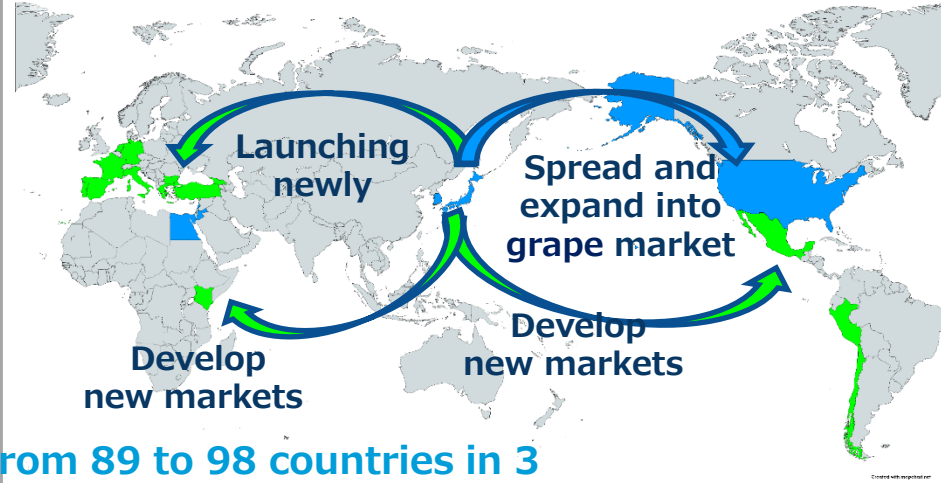
2023 Results compared to 2020		
	Sales increase rate	Gross profit increase rate
LIDA's products :	163%	155%
Potatol :	Launched in 2021	
Biostimulants :	163%	152%



◆ Mitecide: Danisaraba

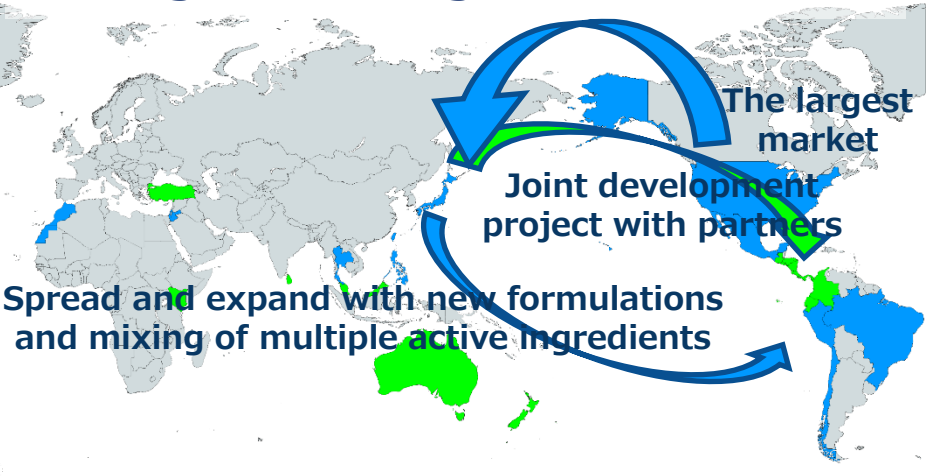


◆ Fungicide: Gatten

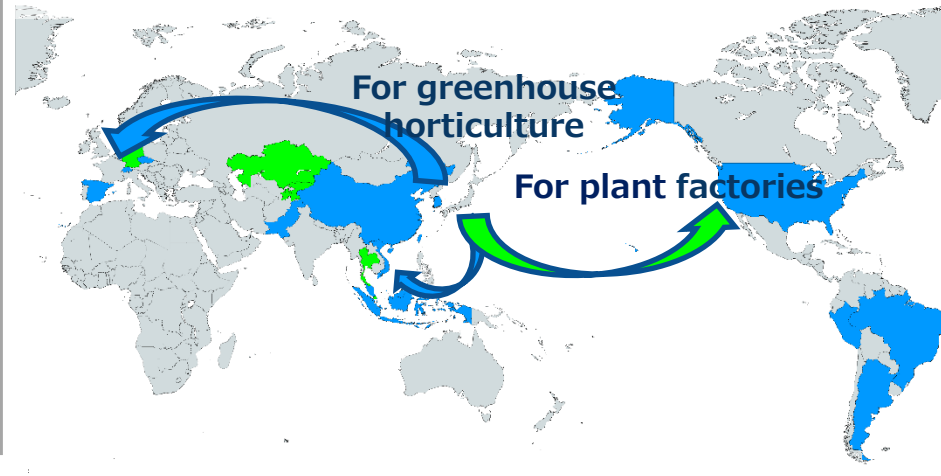


Expanded the sales areas from 89 to 98 countries in 3 years, utilizing the channels of Chrysal and LIDA

◆ Fungicide: Kaligreen (Green Product)



◆ Fertilizers





# Expanding the sales area with global development in 3 years

India Tea Estate



Cambodia Farmer meeting



Brazil Orange



India Farmer meeting



Thailand Demo plot



USA California Grape



Philippines Banana

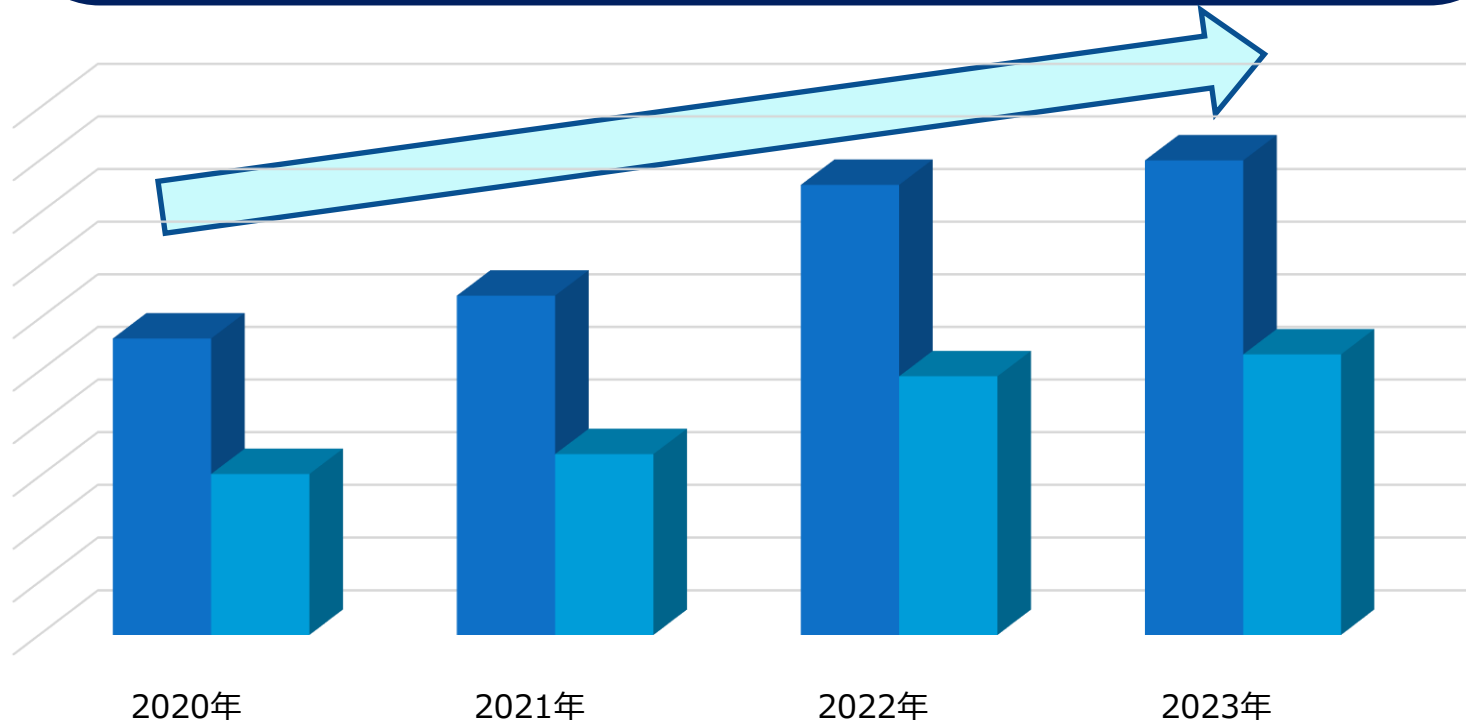


Actively carried out direct promotion activities in local fields around the world for major products

## Expanding the sales of Overseas Business in 3 years

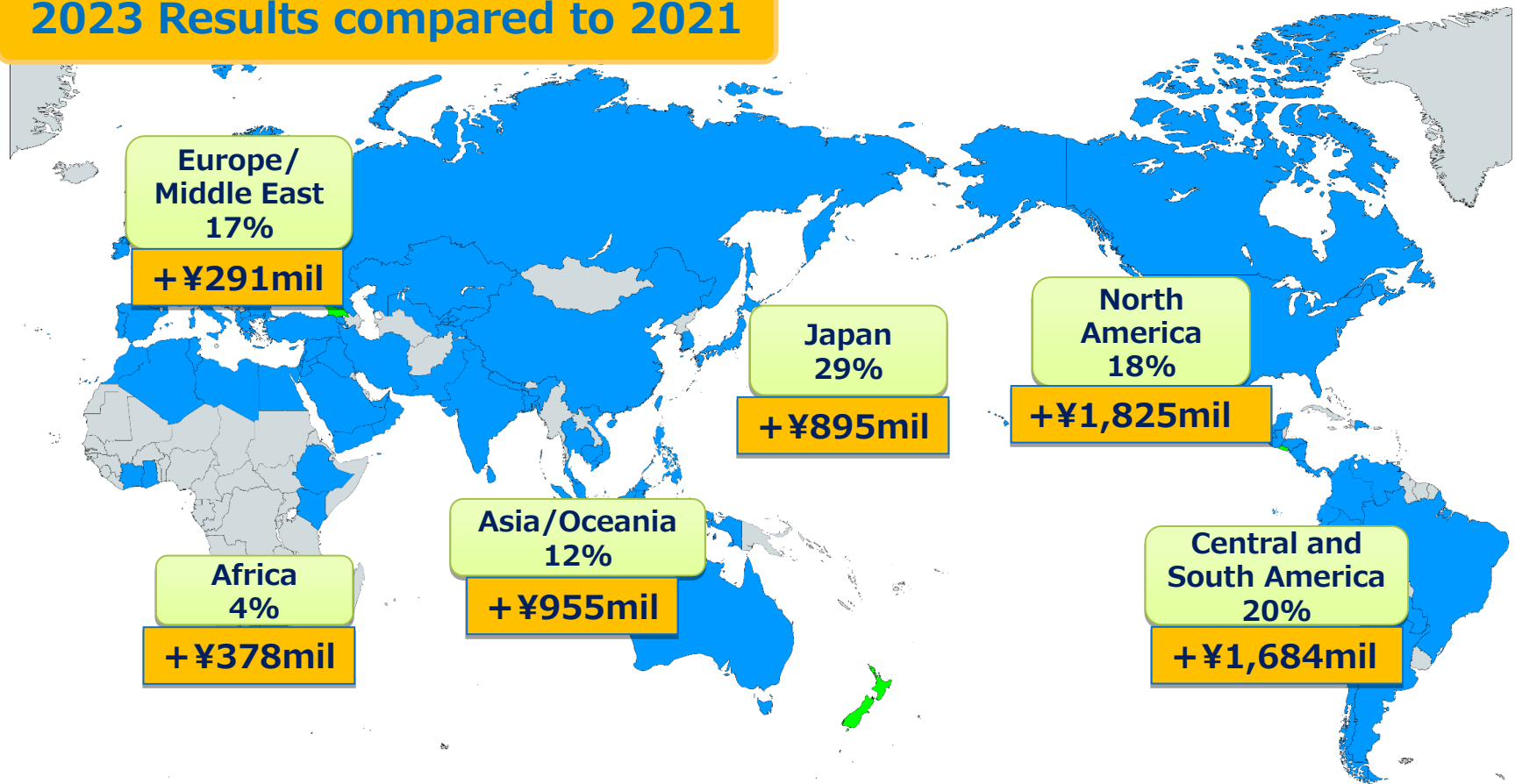
### 2023 Results compared to 2020

	Sales increase rate	Gross profit increase rate
<b>DANISARABA :</b>	<b>188%</b>	<b>193%</b>
<b>GATTEN :</b>	<b>132%</b>	<b>136%</b>
<b>Fertilizers :</b>	<b>185%</b>	<b>207%</b>
<b>Overseas Business :</b>	<b>160%</b>	<b>174%</b>



# ◆ Sales proportion by area to area in the world

## 2023 Results compared to 2021



Created with mapchart.net

2021 Domestic: Overseas = 7.4 billion yen: 15.3 billion yen (33:67)  
 2023 = 8.4 billion yen: 20.5 billion yen (29:71)



## ◆ Building the “Corporate Culture”

- ▶ OAT Agrio hopes to provide all people everywhere with “Joy of cultivating”, “Emotion of watching”, and “Contentment of eating”.
- ▶ We launched the OAT Agrio cultivation media site and Instagram to deliver the fun of cultivation to many people. Our Instagram account reached 50,000 followers.



OAT logo and navigation icons (shopping cart, menu).

すべての人々に  
育てる喜び、観る感動、食べる  
幸せ  
を届けます

あなたの花言葉をチェックしましょう!  
今日の花言葉占い

各作物の育て方

野菜 →

花 →



oat\_agrio

1,132 件の投稿

5万 人のフォロワー

652 人をフォロー中

OAT アグリオ株式会社

大人気！プレゼント企画

オリーブ  
フォローもいわずに  
当たる！  
応募期間：1月29日～2月10日

とくしまマルシェ  
開催報告

全国高校生  
のいちごコンテスト  
2.4  
全日本高校生  
いちご大賞  
全国大会

パイナップルの  
育て方

冬野菜の播種

アグリスクんの  
LINEスタンプ発売

とくしまマルシェ  
2024 1月28日

OATアグリオの公式キャラクター  
「アグリスクん」



O — おいしいを

A — あたりまえにする

T — テクノロジー

ア

グ

リ

オ

2022年、世界人口はついに80億人を突破。もはや世界には、これだけの人口を養っていくほどの食糧がありません。限りある耕作地で、環境の変化に左右されず、いかに質の良い農作物をより多く収穫できるか。このミッションに挑むべく、OATアグリオは先進の食糧増産技術（アグリテクノロジー）を開発。「防除技術」「施肥灌水技術」「バイオスティミュラント」を3つの柱に据え、食糧問題解決の一助を担うべく果敢に取り組んでいます。

OATアグリオの願いは、全ての人々に「育てる喜び」「観る感動」「食べる幸せ」を届けること。

防除技術  
より安全で効果の高い「植物の痛み」を軽減する

施肥灌水技術  
豊かに育ちやすい「植物の栄養」を届ける

バイオ  
スティミュラント  
収穫や増産に欠かせない「植物の免疫力」を向上

人や環境に優しい  
アグリテクノロジー  
食糧増産技術と真心得て、  
世界の人々に貢献します。

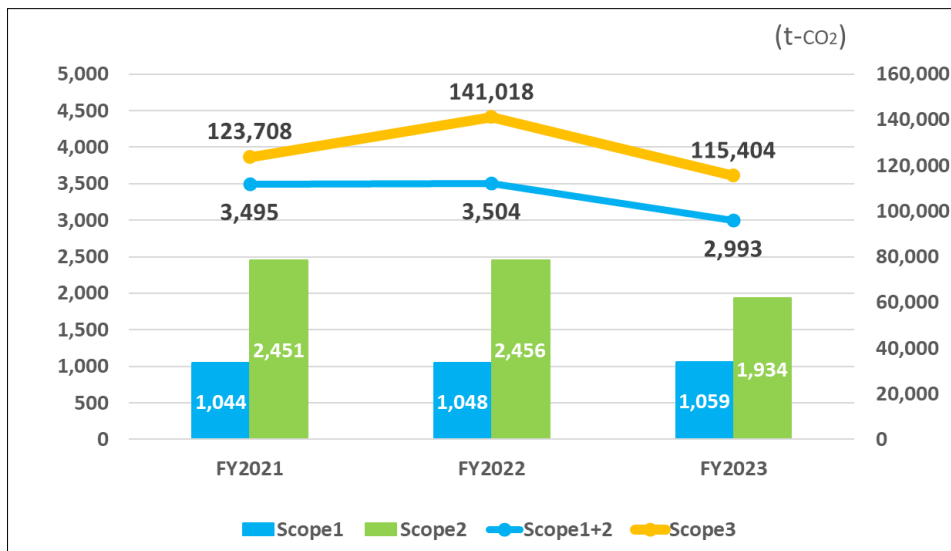
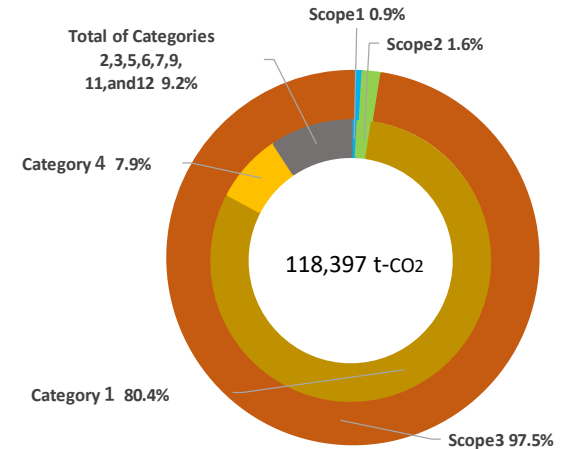


# ◆ Practice of sustainable management in 3 years

## Results of Scope1, 2, and 3 Emissions (t-CO<sub>2</sub>)

	FY2021	FY2022	FY2023	Composition Ratio
Scope1	1,044	1,048	1,059	0.9%
Scope2	2,451	2,456	1,934	1.6%
<b>Scope1+2</b>	<b>3,495</b>	<b>3,504</b>	<b>2,993</b>	<b>2.5%</b>
<b>Scope3</b>	<b>123,708</b>	<b>141,018</b>	<b>115,404</b>	<b>97.5%</b>
Category 1	102,106	116,008	95,135	80.4%
Category 4	10,755	12,219	9,335	7.9%
Total of Categories 2,3,5,6,7,9, 11,and12	10,847	12,791	10,934	9.2%
<b>Scope1+2+3</b>	<b>127,203</b>	<b>144,522</b>	<b>118,397</b>	<b>100.0%</b>

## FY2023 Ratio of Scope1, 2, and 3 Emissions



<Over the next 3 years>

- Allocating approx. 8 bill. Yen for R&D investment  
(last 3 years: Invested approx. 6 bill. Yen)  
Increased researcher by 31 to 147 people
- We continue to invest more than 10% of sales  
amounts for R&D
- We will also allocate 10% of our R&D expenses  
in cutting-edge agricultural technologies.

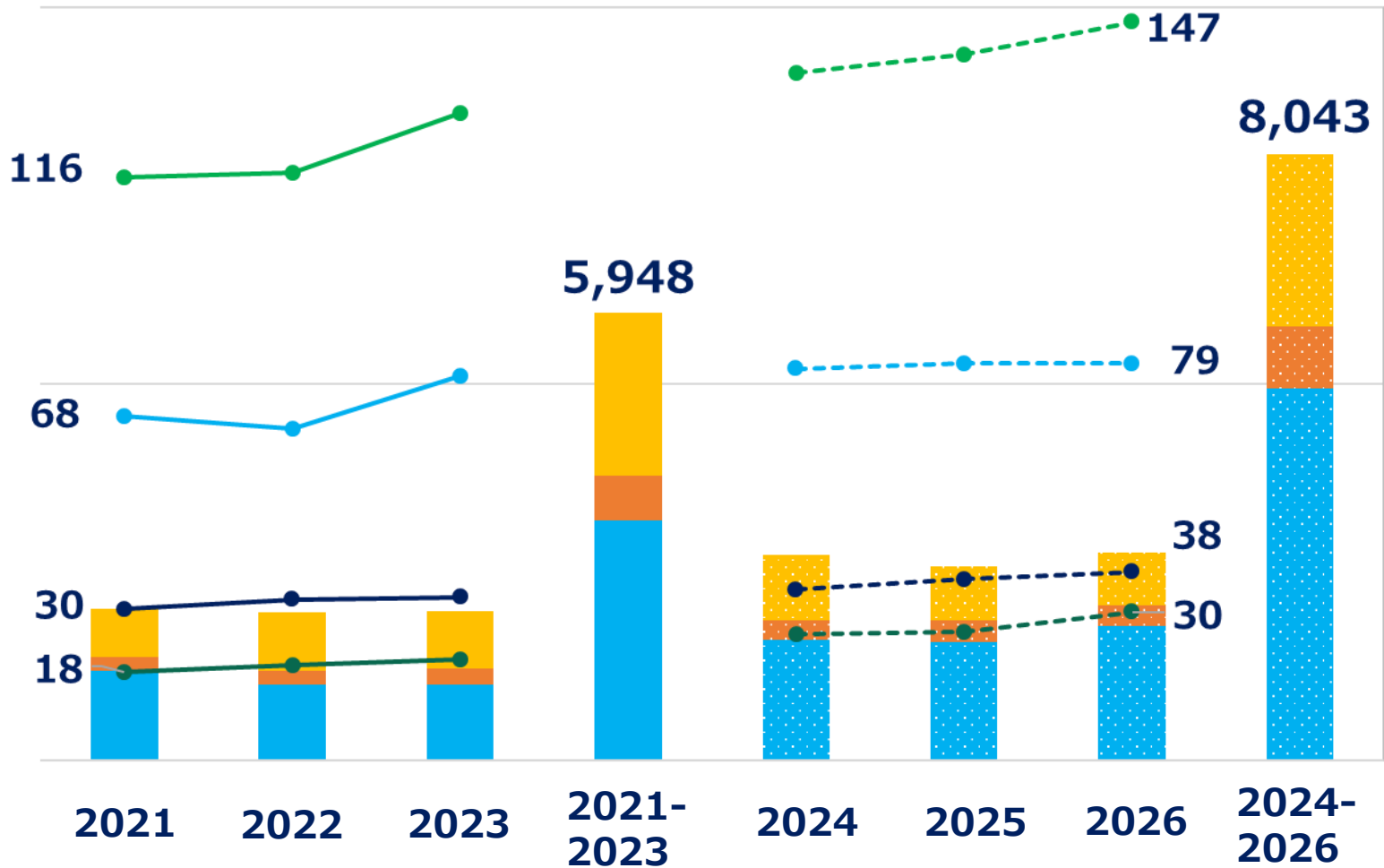


**We will concentrate our investment  
in R&D toward innovation**

# ◆ R&D investment and research staff by 3 domains

Unit : JPY Mil

- Crop protection
- Fertilization & Drip Irrigation
- Biostimulant
- Crop protection staff
- Fertilization & Drip Irrigation staff
- Biostimulant staff
- Total number of staff



## ◆ Issues of Agriculture

### ■ Global Issues: Eradicating hunger and malnutrition from the world

- ✓ Rural poverty and poor living conditions for rural people
- ✓ Food waste in developed countries and food shortages in developing countries on the other hand
- ✓ Environmental burden from agriculture and forestry
- ✓ (23% of GHG emissions come from agriculture and forestry)
- ✓ Food loss (40% of all food produced, 2.5 billion tons, is wasted)
- ✓ Deterioration of growing conditions due to extreme weather events
- ✓ Securing water resources necessary for agricultural production
- ✓ Lack of arable land
- ✓ Crop damage from pests and diseases, and persistent crop failures

### ■ Japan-specific issues: Achieving profitable agriculture

- ✓ Many farms are small and family-owned
- ✓ Poor working conditions due to low farm incomes and frequent holiday work
- ✓ Threat of foreign agricultural products due to TPP, etc.
- ✓ Increase in abandoned farmland due to scattered farmland, lack of successors
- ✓ Labor shortage

**Addressing agricultural issues head-on and solving them through innovation**

## ◆ The next 3 years will be an Innovation Period

### “Vision for 2030”

#### ① Crop Protection Products

Aiming sales target ratio of Green PPP to 20%

Search for highly active compounds derived from natural products and food additives

Development of Bio-Pesticide using useful microorganisms

Development of high-performance biochar using useful microorganisms

#### ② Biostimulant

Acceleration of R & D for realizing stable yield even in intensely hot circumstances

Chrysal Group is dedicated to the sales expansion of BS products

LIDA works on the development of BS using useful microorganisms i.e. BIOFORCE

#### ③ Fertilizers and drip irrigation

Achieving high-yield cultivation by developing a unique cultivation system

Reducing 30% of fertilizer use compared to the conventional agriculture by expanding a hydroponic soil cultivation system

#### ④ Hydroponics using organic fertilizers

Prevailing & Expanding the “Probioponics” cultivation

Utilization of unused resources

Expansion of JAS organic pest control materials

◆ The next three years will be a period of Innovation

## ⑤ Smart Agriculture

Labor saving	Evolution of Fertilization & drip irrigation technology Prevention and prediction of pests and diseases Utilizing robots for automated harvesting
Efficiency	Scientific visualization of the picture inside the plant and in the rhizosphere Real-time sensing of the environment, inside plants, and underground
Big data	Developing services that provide information and solutions

## ⑥ Zero CO<sub>2</sub> emissions, looking toward 2050

Fully transition to horticultural facilities that do not use fossil fuels  
Introduction of biomass power generation and effective use of waste heat, i.e. year-round cultivation in greenhouse horticulture  
Supporting carbon credits by applying biochar to farmland  
Accelerating of Chrysal Group's Seafreight

## ⑦ Genome editing / Genetic modification technology

Achieving highly efficient genome editing  
Supporting a healthy and long-lived society through taste modification using miraculin gene tomatoes

## ⑧ Establishment of new cultivation method

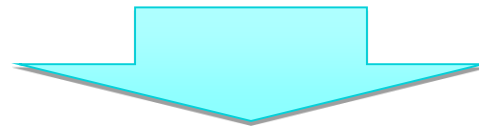
Aiming for high yields and high quality by optimizing fertilization time, frequency, and dosage  
Establishment of cultivation methods for health-maintaining plants such as Panax ginseng and medicinal herbs  
Aiming for a stable supply using our unique cultivation method

◆ The next 3 years will be a Innovation Period

“Vision for 2030”

Through item ① to ⑧

“We aim for a company contributing not only in increasing food production and eco-friendly agriculture but also pertain to the health, which delivers the joy of cultivating, the emotion of watching, and the contentment of eating.”



To realize this “vision for 2030”, OAT Agrio will allocate its investment in R&D toward innovation over the next three years.



## ■ Green PPP

- Natural/food additive-derived or organic JAS-compliant PPP with the PPP registration
  - ✓ A safe, environmentally friendly pest control material without limit of application times
- Japanese market is estimated to be approximately 20 billion yen, overseas market is approximately 175 billion yen
- We have No. 1 market share for the greenhouse horticulture field, expanding product portfolio

✓ From 12



## ■ Innovation using useful microorganisms

- Search for useful microorganisms that contribute to food production
  - ✓ Selection of useful microorganisms (Bacillus genus, Trichoderma genus, etc.) using 16S rRNA gene analysis regarding microbial communities in specific conditions and regions
  - ✓ Development of Bio-Pesticide using selected useful microorganisms
  - ✓ Development of high-performance biochar using biochar and useful microorganisms



Powdered Biochar

## ◆ Initiatives to expand the sales of Biostimulant

### ■ Chrysal group

- ✓ Collaboration with LIDA Plant Research Co., LTD in Spain for the development of BS products that contribute to improving flower growing and post-harvest quality
- ✓ Scheduled to be launched in Ecuador in 2024, development is also underway in Colombia and



## Chrysal & Sustainable Crop Care

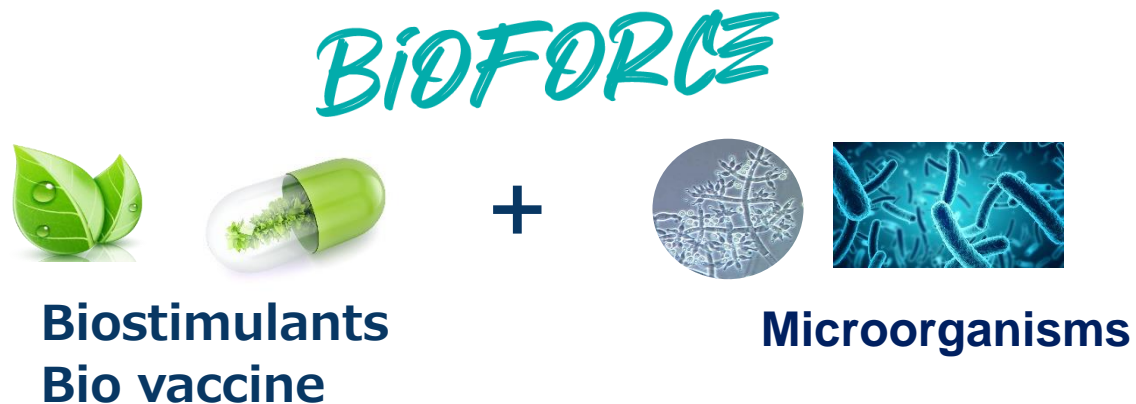


## ◆ Research and development for Biostimulant products

### ■ LIDA Plant Research, S.L.

#### □ Development of products with reduced environmental impact using biological control technology

- ✓ Contributing to a new plant protection system through synergistic effects
- ✓ Products that comply with European regulations
- ✓ Reduce chemical ppps
- ✓ Sustainable plant protection



## ◆ Probioponics: Utilizing unused resources

### ■ What is Probioponics?

- ✓ A hydroponic technology utilizing organic fertilizers
- ✓ Limiting the nitrogen source to biomass “organic substances derived from living things”

### ■ Efficiently mineralize unused resources that can become N, P, and K and use them as fertilizers

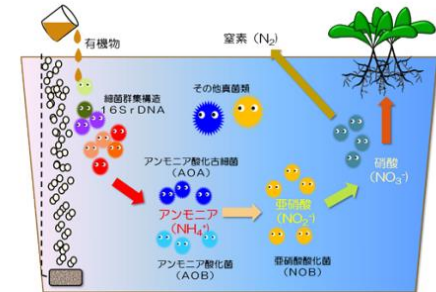
- ✓ A byproduct produced in the process of producing starch from corn
- ✓ The broth discharged during the manufacturing process of processed seafood products
- ✓ Utilization of livestock waste
- ✓ Solids (powders) such as oil cake and fish powder that decompose slowly

### ■ To realize the social implementation of Probioponics

- ✓ A lineup of liquid fertilizers that meet Probioponics Standards and can grow the plant with one component solution
- ✓ Development of irrigation equipment for organic liquid fertilizer

### ■ Sustainable cultivation technology that achieves carbon neutrality and other environmental impact reductions

- ✓ Realizing sustainable agriculture that is friendly to people and the environment
- ✓ Reduce chemical fertilizers relied on import and utilize unused domestic resources.



Probioponics Overview  
Japanese Agricultural  
Standards (JAS0021)



Probioponics  
dedicated  
Fertilization  
equipment



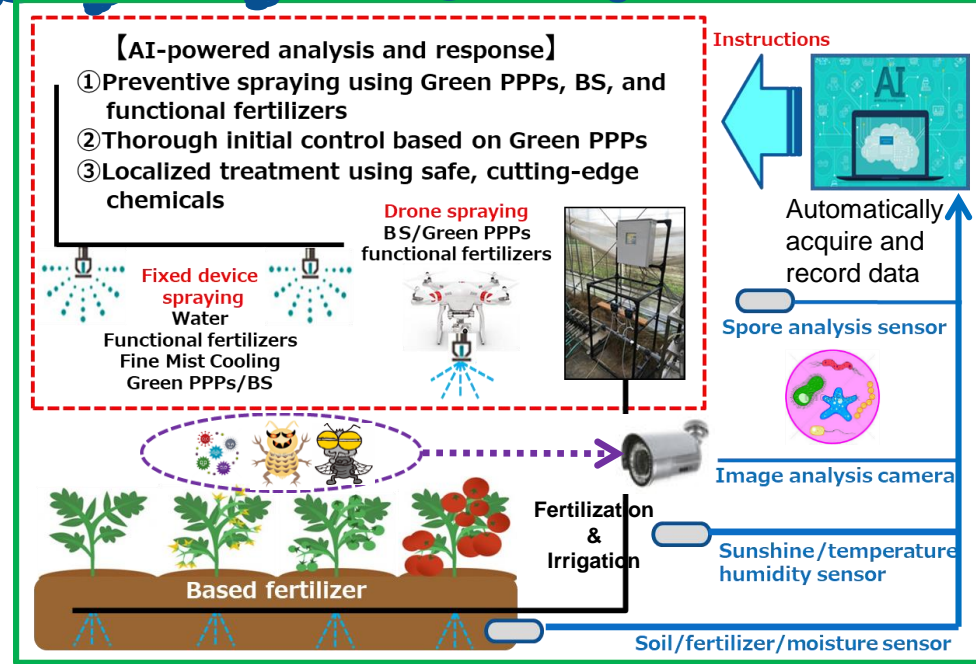
# ◆ Smart Agriculture Initiatives



big data



- ✓ Collect and analyze big data using AI
- ✓ Fertilization and irrigation based on the growth stage
- ✓ Localized pest control using image analysis
- ✓ Controlling the greenhouse environment using various sensors, etc
- ✓ Realization of eco-friendly agriculture



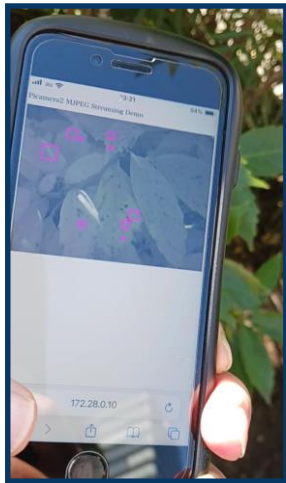
Deliver accumulated big data to crop growers  
Develop services that provide information and solutions

## ◆ Smart Agriculture Labor saving

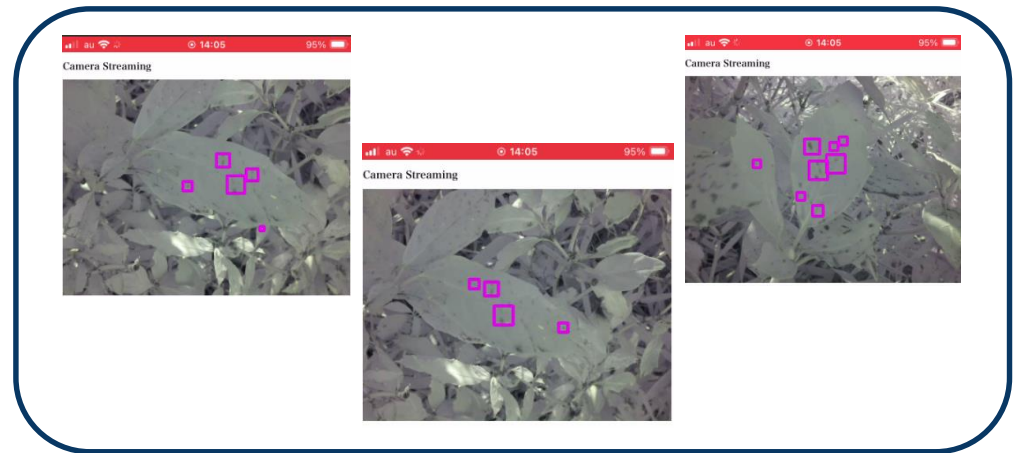
### ■ Prediction and prevention of pests and diseases

#### □ Development of pest and disease outbreak prediction system using mobile devices

- ✓ Pests are difficult to control in a heavy incidence situation
- ✓ Pest control becomes easier by detecting early symptoms of pest outbreaks



Prediction of  
pests and  
diseases using  
smartphones



□ detects pests and diseases

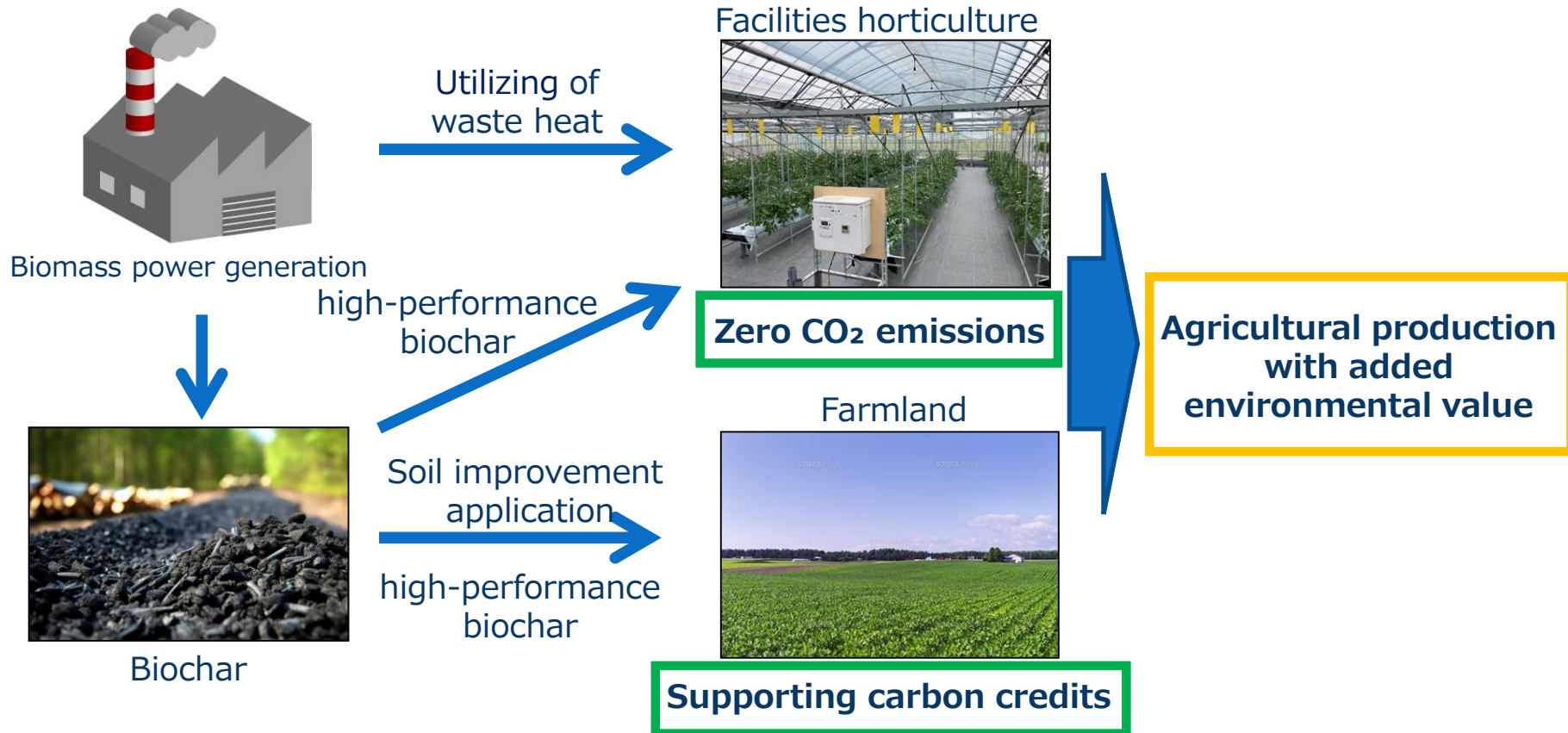
#### □ Labor saving/Realizing sustainable agriculture

- ✓ Reducing work time for pest control
- ✓ Reducing material costs for pest control
- ✓ Enabling the production of the high value-added agricultural products

# ◆ Zero CO<sub>2</sub> emissions

## Complete transition to horticultural facilities without using fossil fuels

- ↳ Introduction of biomass power generation and effective use of waste heat, i.e. year-round cultivation in greenhouse horticulture
- ↳ Supporting carbon credits by applying biochar to farmland
- ↳ Development of high-performance biochar adding useful microorganisms





# ◆ Zero CO<sub>2</sub> emissions

## ■ Seafreight/Long Storage Service - Chrysal

- ✓ Comprehensive quality control solution business for transportation of flowers from the producing area to the consuming area

### □ Why Seafreight ?

- ✓ Environmental Impact: Reduction of CO<sub>2</sub> emissions  
Switching from air transport to sea transport can significantly reduce CO<sub>2</sub> emissions
- ✓ Reliability of quality control
- ✓ Total costs advantage

### □ What is Seafreight service ?

- ✓ Post-harvest treatments ⇒ Quality report ⇒ Data logger management  
⇒ Follow-up work at arrival point during transportation
- ✓ Prevention of deterioration caused by Botrytis ethylene and discoloration
- ✓ Suppression of leaf dehydration during transportation + investigation of causes when quality problems occur



**Serving many clients in Kenya**

<u>CO<sub>2</sub> emissions comparison</u>	
Seafreight	Airfreight
2.168kg	27.667kg

**25,500 kg difference**  
**about 12times**

[ Case ] 1 container of 369,000 stems to be transported from Kenya to the Netherlands

## ◆ Genome editing technology



# Inplanta Innovations Inc.

Developing new genome editing technology for plants

### ■ Possessed technologies

- Genome editing technology using CRISPR-Cas9 technology

Target plants: rice, soybean, tomato, potato, lettuce, etc.

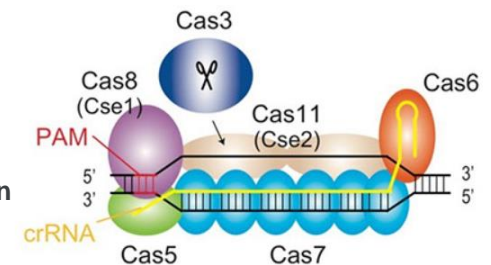
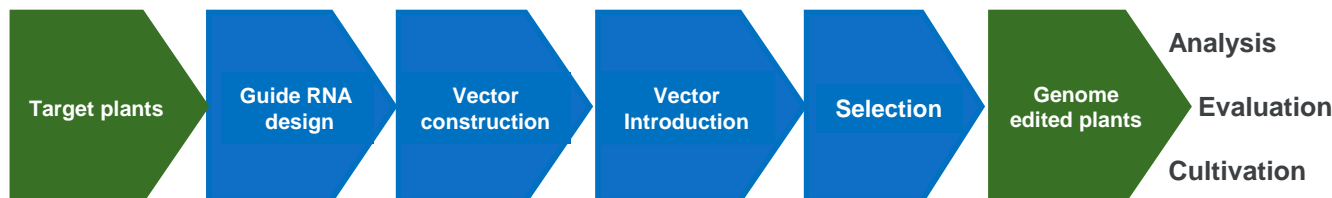
Purpose: Next-generation seed collection/clonal seedling propagation

- Creation of genetically modified plants using domestic genome editing technology CRISPR-Cas3

※CRISPR-Cas3 is a CRISPR system that belongs to Class 1 among the CRISPR systems of bacteria and archaea (Cas9 is Class 2). It was developed in 2019 as a domestic genome editing tool consisting of Cas3 protein and Cascade ribonucleoprotein.

- The sonication-assisted whisker method

※Technology that enables more efficient production of genome-edited crops with new molecular introduction technology using needle-like crystals "whiskers"



III's Contract research services with  
CRISPR-Cas3

## ◆ Genetic modification technology

### ■ What's Genetic modification technology?

- ✓ Gene Editing technology is a technology that introduces a portion of the genes (DNA) of one organism into the cells of another organism to express that gene.
- ✓ Genetically modified crops are crops that have been bred using genetic modification technology.

### ■ Features of the taste-modifying Miraculin

- ✓ Glycoproteins that accumulate in Miracle Fruit have a taste-modifying efficacy that makes sour taste perceived as sweetness
- ✓ In the raw fruit state, activity is lost over time.
- ✓ Activity is lost by heating or thawing from the frozen state.

### ■ Production of Miraculin-accumulating tomato using genetic modification technology

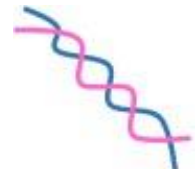
- ✓ Tomatoes introduced the Miraculin gene using genetic modification technology are easy to cultivate, stable yield, mass production possible, and stable Miraculin content

### ■ The potential of Miraculin

- ✓ Contributing to lifestyle-related disease prevention
- ✓ Relieving stress due to restricted diet
- ✓ Supporting a healthy and long-lived society



Miracle Fruit



Miraculin gene



Tomatoes introduced the Miraculin gene

# ◆ Establishment of new cultivation method

## ■ Reducing chemical fertilizer usage by 30%

- ✓ Developing the most efficient fertilization method for plants
  - Capture and analyze phenomena within plants, within greenhouses, and in the rhizosphere
  - Discover fertilization and drip irrigation technologies that match with plant physiology
  - Optimize fertilization time, frequency, and the dosage.
  - Demonstrate and prove that the average weight of crops is increased even when the amount of fertilizer applied is reduced

## ■ Goal

- ✓ Increasing the amount of crops available for sale
  - Increase yield by 1.5 times with the same amount of fertilizer applied
  - Expand to various fruits and vegetables



Isolated cultivation



Hydroponic soil cultivation system





## ◆ Efficient cultivation of high value-added agricultural products

### ■ Medicinal herb

- ✓ Medicinal herbs are used in Chinese medicine and health foods, and many of them require a long time to harvest.
- ✓ Cultivation becomes difficult if farmland is used for a long time
- ✓ Cultivation of medicinal herbs depends on foreign countries (80% imported)

### ■ Cultivation of medicinal herbs

- ✓ Panax ginseng is used as a raw material for Chinese herbal medicine
- ✓ Cultivation period: 2 years are required to produce seedlings from seeds  
Another 2 to 4 years to harvest



Seedlings (1st grade)  
(Source: Chiba University  
Floriculture and Seedling Production Blog)



Cloned seedlings of Panax ginseng  
after primary acclimation after 6 months



Source from "Development of technology to Expand production of medicinal crops",  
Ministry of Agriculture, Forestry and Fisheries  
commissioned project research

### ■ Efficient cultivation methods

- ① Select superior cloned seedlings of Panax ginseng using tissue culture technology  
※Clone seedlings have the excellent properties of "many buds" and "easily thick roots."
- ② Feed seedlings in one year with hydroponic technologies
- ③ Utilize Panax ginseng, which can shorten the cultivation period and have excellent properties, as herbal medicine and health food.

# ◆ Schedule for launching new products

Country	Product	Crop	2024	2025	2026	2027	2028	2029	2030	2031
Japan	Product A water solvent	citrus	sales							
Japan	Product B liquid formulation	tomatoes		sales	sales					
Japan	Product C granules	green onions		sales						
Mid.East	Product D liquid formulation	tomatoes				sales				
Africa	Product D liquid formulation	flowers			sales					
Asia	Product D liquid formulation	vegetables		sales						
Japan	Product E water solvent	tomatoes			sales					
Japan	Product F spreader	fruit trees, vegetables			sales					
Japan	Product G liquid formulation	vegetables			sales					
Japan	Product G liquid formulation	rice, onions						sales		
Japan	Product H Flowable	vegetables			sales					
Japan	Product I Straight	vegetables			sales					
EU	Suffoil	fruit trees, vegetables			sales					
EU	Kaligreen	grapes				sales				
Mid.East	Suffoil	tomatoes, flowers				sales				
Asia	Acari touch	fruit trees, vegetables					sales			
Africa	Kaligreen	flowers				sales				
USA	Suffoil	apples, strawberries					sales			
Cent.Americas	Kaligreen	bananas			sales					
Japan	Product M granules	green onions			sales					
Japan	Product M Flowable	green onions			sales					
Japan	Product N Flowable	citrus					sales			
Japan	Product O Flowable	fruit trees, vegetables							sales	
Japan	Product O Mixture	citrus							sales	
Japan	Product P Flowable	fruit tree, vegetables								Registration
Japan	Product P Mixture	rice								Registration
Japan	Product Q Mixture	rice						sales		
EU	GATTEN	grapes	sales							
Mid.East	Daniranger	fruits tree, vegetables			sales					
Mid.East	GATTEN	grapes, vegetables	sales							
Mid.East	OAT-1103	vegetables					sales			
Africa	Danisaraba Pro	flowers			sales					
Africa	GATTEN	flowers		sales						
Oceania	GATTEN	grapes						sales	sales	
Asia	new compound	apples						sales	sales	
Asia	GATTEN	flowers, vegetables, grapes			sales					
Asia	Oncol	rice				sales				
Asia	Danisaraba	flowers, vegetables	sales							
Cent.Americas	GATTEN	flowers					sales			
South America	GATTEN	grapes	sales							

**Biostimulants** : FY2024-2026 New Products 5 FY2027-2031 New Products 1

**Green Products** : FY2024-2026 New Products 8 FY2027-2031 New Products 5

**Control Materials** : FY2024-2026 New Products 10 FY2027-2031 New Products 10

## ◆ Taking on Challenges in a Period of Change (Innovation)

### Investing 10% of R&D costs in cutting-edge agricultural technologies

- Acquiring the latest technologies and creating new businesses
- Proposing profitable agriculture

Contributing to human- and ecofriendly,  
Sustainable agriculture

#### To possess cutting-edge agricultural technologies

- AI data analysis
- Automatic harvesting robot
- Sensing technology
- Genome editing technology
- Clone seedlings
- New cultivation methods
- Prediction technologies to prevent pest outbreaks
- Retail platform app development

R&D  
Investment

Green Products that lead to zero  
CO2 emissions  
Biostimulant products  
Creation of total solution services

OAT Agrio's  
Vision for 2030

Phenotyping  
Real-time sensing  
Image analysis  
Disease prevention/prediction  
Labor savings/Improving efficiency

Freshness-preservative  
technology  
Big data analysis technology  
Platform system development  
in value chain

Proposals for smart agriculture  
in greenhouse horticulture

Reduction of food loss



## ◆ Corporate Philosophy and Innovation

### 『Corporate Philosophy』

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

### 『Innovation』

Intensive investment in R&D to  
innovate for sustainable agriculture.



Realization of corporate philosophy

A photograph showing a person's hands holding a wicker basket filled with ripe red tomatoes. In the background, there are tomato plants with green leaves and some unripe green tomatoes. The scene is set outdoors in a garden or field.

OAT Agrio's hope is to provide all people everywhere  
with the joy of cultivating, the emotion of watching,  
and the contentment of eating.

## ◆ Aggressive R&D investment over the next 3 years

Proactive investment in R&D toward innovation

Take on challenges in world agriculture head-on and do our best to solve them

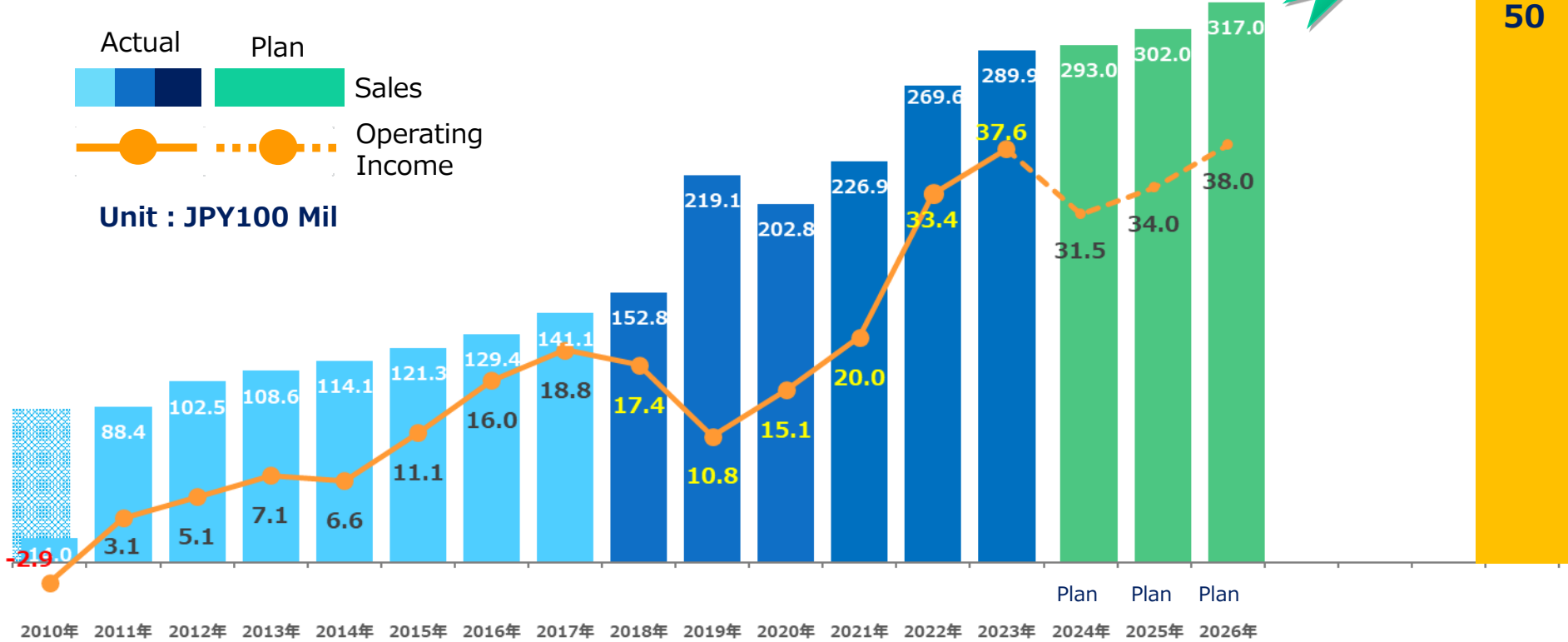
OAT Agrio moves to the next stage with the development of agriculture

Unit : JPY Mil

科目	Consolidated Result FY2021	Consolidated Result FY2022	Consolidated Result FY2023	Consolidated Plan FY2024	Consolidated Plan FY2025	Consolidated Plan FY2026
Sales	22,678	26,960	28,988	29,300	30,200	31,700
Operating Income	2,001	3,346	3,766	3,150	3,400	3,800
Ordinary Income	1,989	3,385	3,800	3,000	3,300	3,650
Net income attributable to owners of the parent company	1,456	2,261	2,488	1,920	2,150	2,410
R&D investment	2,010	1,958	2,040	2,717	2,566	2,760

# ◆ Net Sales and Operating Income 2024 onward

Average annual growth rate	Founding Period 2010-2017	Expanding Period 2018-2023	Innovation Period 2024 onward
Sales	8.1%	13.6%	4.0% (24-26Plan)
Operating Income	35.0%	16.4%	9.8% (24-26Plan)



**Founding Period**  
FY2010~2017

**Expanding Period**  
FY2018~2023

**Innovation Period**  
FY2024 onward

## ◆ Management Index

### ■ New Mid-term Business Plan, consolidated

Unit : JPY Mil

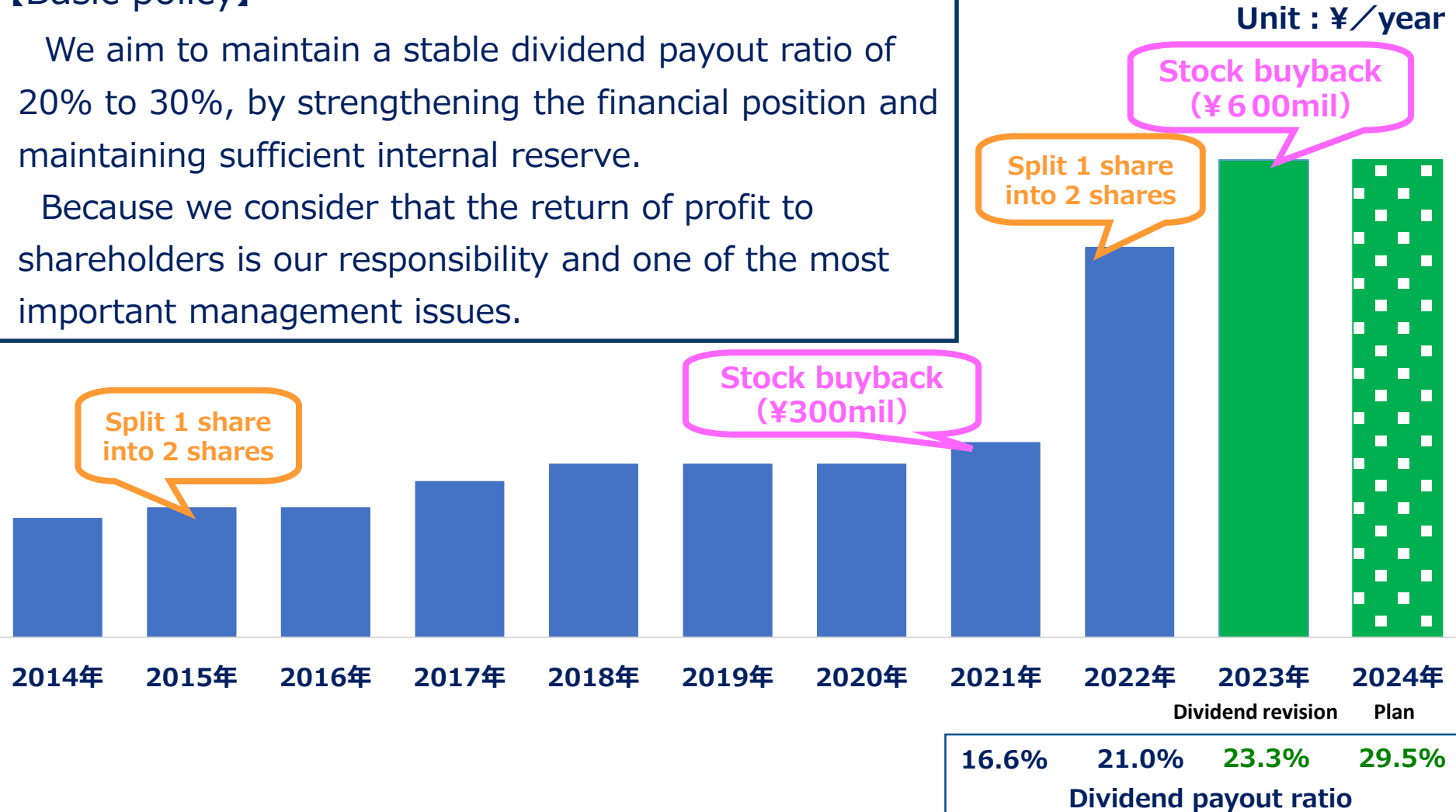
	Results FY2021	Results FY2022	Results FY2023	Plan FY2024	Plan FY2025	Plan FY2026
Net Sales	22,678	26,960	28,988	29,300	30,200	31,700
Operating Income	2,001	3,346	3,766	3,150	3,400	3,800
Ordinary Income	1,989	3,385	3,800	3,000	3,300	3,650
Net for the Period Attributed to Shareholders of the Parent	1,456	2,261	2,488	1,920	2,150	2,410
Operating Income Margin	8.8%	12.4%	13.0%	10.8%	11.3%	12.0%
Consolidated ROE	19.0%	23.4%	20.0%	13.2%	13.6%	13.8%
R&D Investment	2,010	1,958	2,040	2,717	2,566	2,760

## ◆ Shareholder returns

### 【Basic policy】

We aim to maintain a stable dividend payout ratio of 20% to 30%, by strengthening the financial position and maintaining sufficient internal reserve.

Because we consider that the return of profit to shareholders is our responsibility and one of the most important management issues.



maintain a stable Dividend payout ratio of 20% to 30%

- 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.
- This document does not constitute a solicitation for an application for acquisition of any securities, an application for sale or a solicitation for an application for purchase (hereinafter referred to as "solicitation act"), nor is it intended for solicitation, and any contract, Nor can it be the basis for an obligation.