



# Sustainability Data Book **2024**

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**NIHON NOHYAKU CO., LTD.**

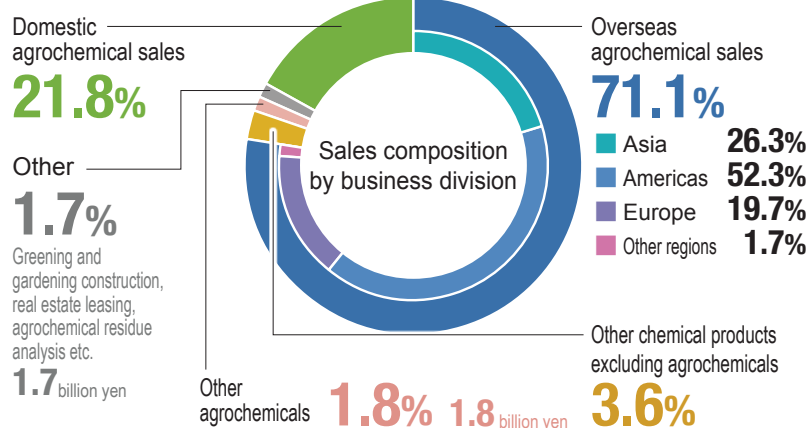
# >> Financial Highlights

## Summary of Performance Results for FY2023 (Consolidated)

Net sales	103.0 billion yen
Operating profit	7.4 billion yen
Ordinary profit	5.9 billion yen
Profit attributable to owners of parent	4.7 billion yen
ROE	6.4 %

Liabilities	77.5 billion yen
Net assets	80.3 billion yen
Total assets	157.9 billion yen
Equity ratio	49.4 %

## Status by business division



## Mainstay products

### Domestic agrochemical sales

Net sales  
22.4 billion yen



### Overseas agrochemical sales

Net sales  
73.2 billion yen



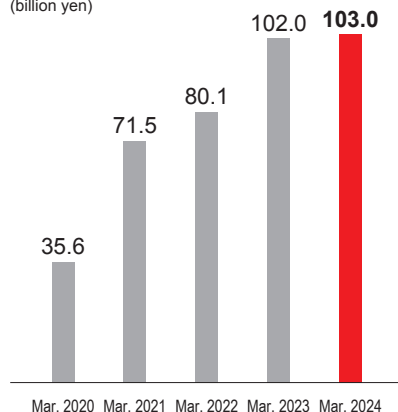
### Other chemical products excluding agrochemicals

Net sales  
3.7 billion yen



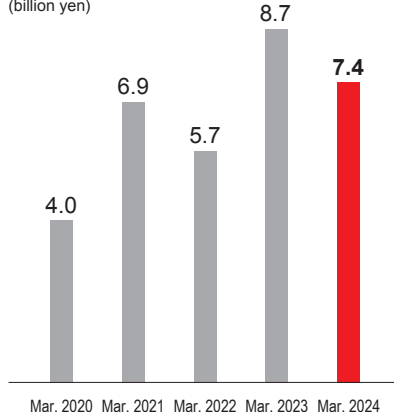
## Net sales

(billion yen)



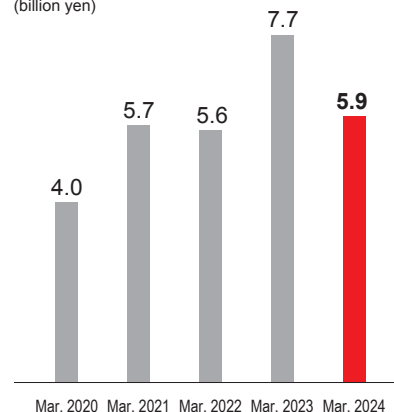
## Operating profit

(billion yen)



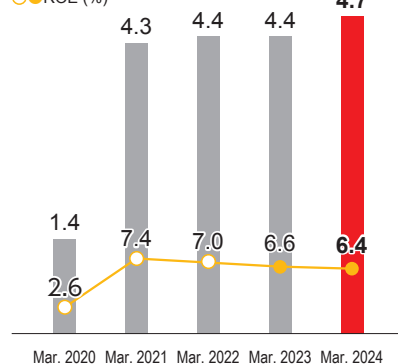
## Ordinary profit

(billion yen)



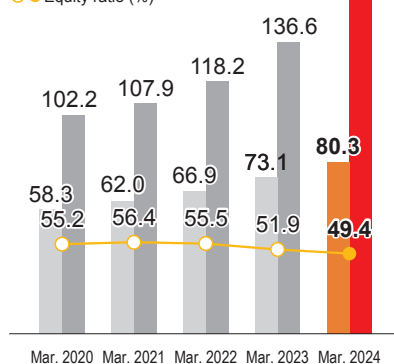
## Profit attributable to owners of parent/ROE

Profit attributable to owners of parent (billion yen)  
ROE (%)



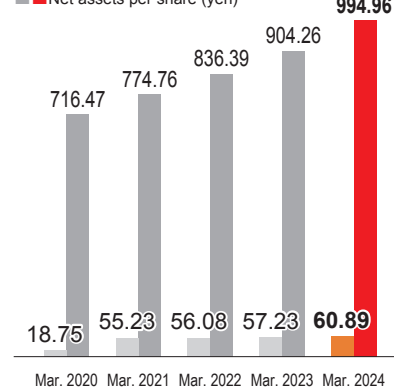
## Net assets/Total assets/Equity ratio

Net assets (billion yen)  
Total assets (billion yen)  
Equity ratio (%)



## Earnings per share/Net assets per share

Earnings per share (yen)  
Net assets per share (yen)



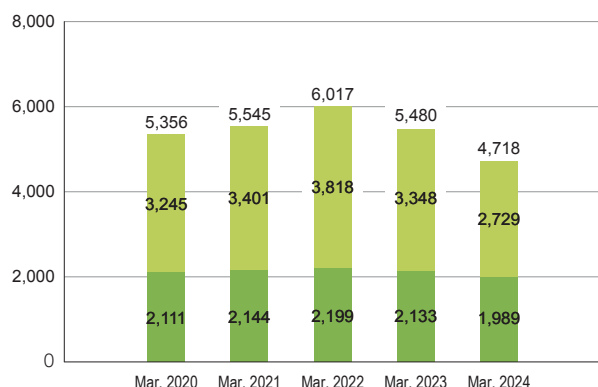
# >> Raising the Level of Environmental Management

## Initiatives to Save Energy

### ● Domestic energy consumption (crude oil equivalent)

(kℓ)

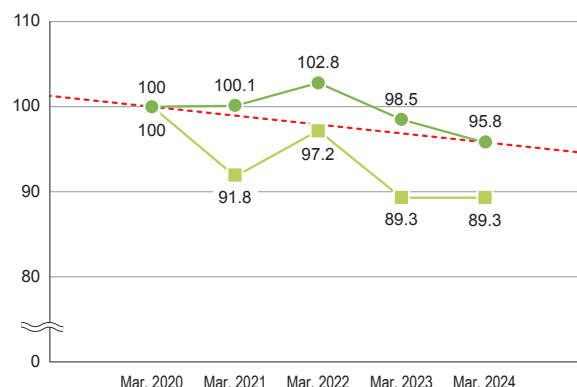
■ Nihon Nohyaku ■ Nichino Service



### ● Energy intensity (index for FY2019 set as 100)

YoY (%)

● Nihon Nohyaku ■ Nichino Service - - - Target (1 % reduction each year)

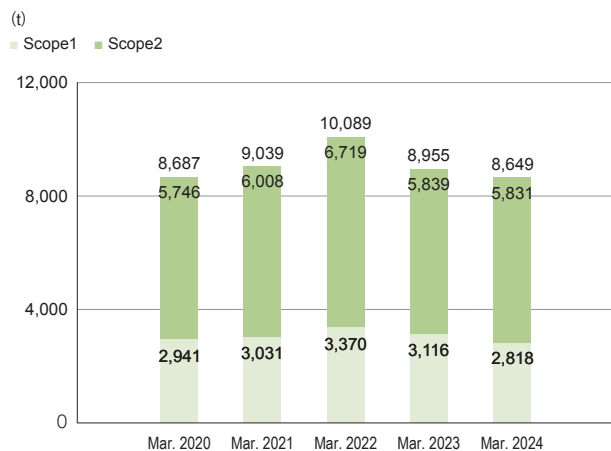


### ● Consumption by energy type

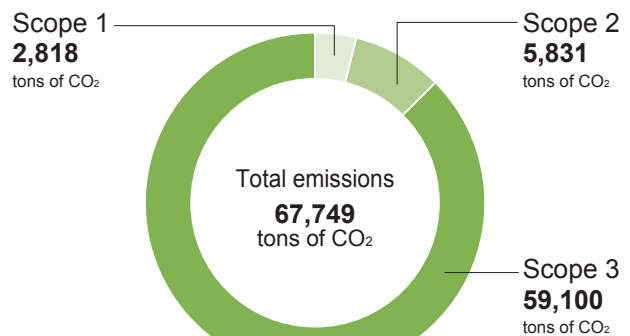
	Japan
	Nihon Nohyaku+Nichino Service
Gasoline	1.5 kℓ
(Automobile)	100.9 kℓ
Kerosene	27.8 kℓ
Light oil	3.5 kℓ
(Automobile)	6.2 kℓ
Heavy oil	48.8 kℓ
LPG	0.5 t
Natural gas and city gas	1,123,500 m <sup>3</sup>
Ethanol (self)	0.0 kℓ
Coal	0.0 t
Industrial steam	4,712.0 t
Electricity	12,626.3 MWh
Solar	301.6 MWh

## Reduction of GHG Emissions

### Domestic CO<sub>2</sub> emissions (Scope 1+2)

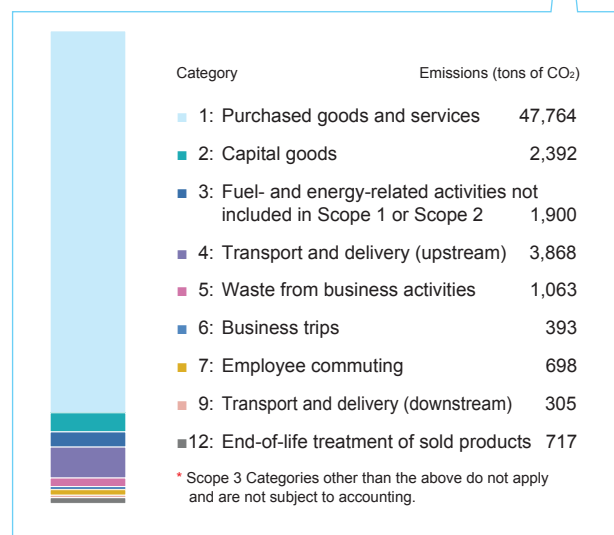
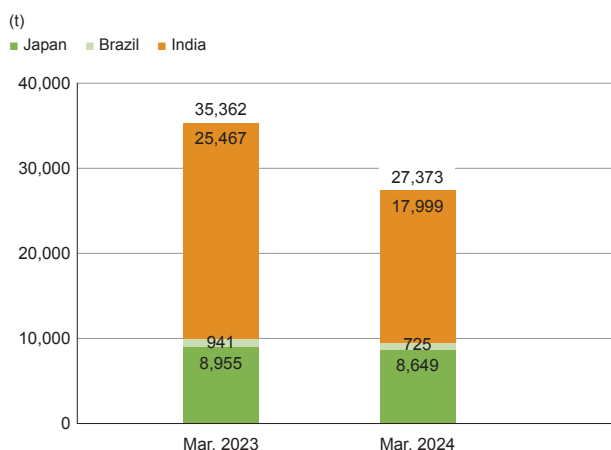


### Domestic CO<sub>2</sub> emissions and breakdown by Scope\*

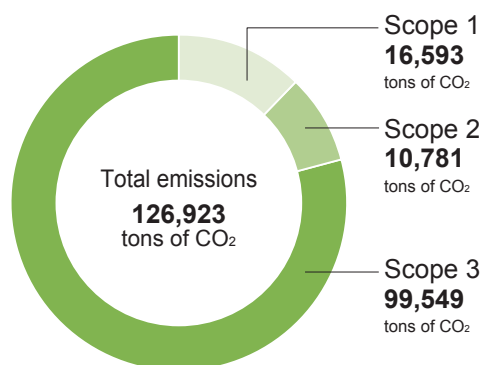


\* Calculated in accordance with the GHG Protocol

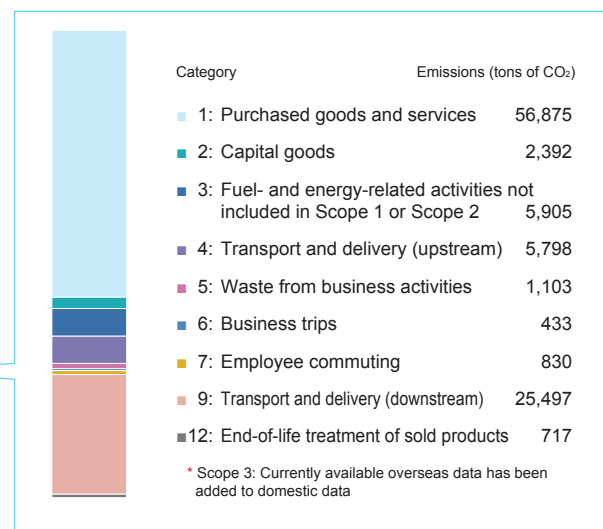
### Global CO<sub>2</sub> emissions (Scope 1+2)



### Global CO<sub>2</sub> emissions and breakdown by Scope\*

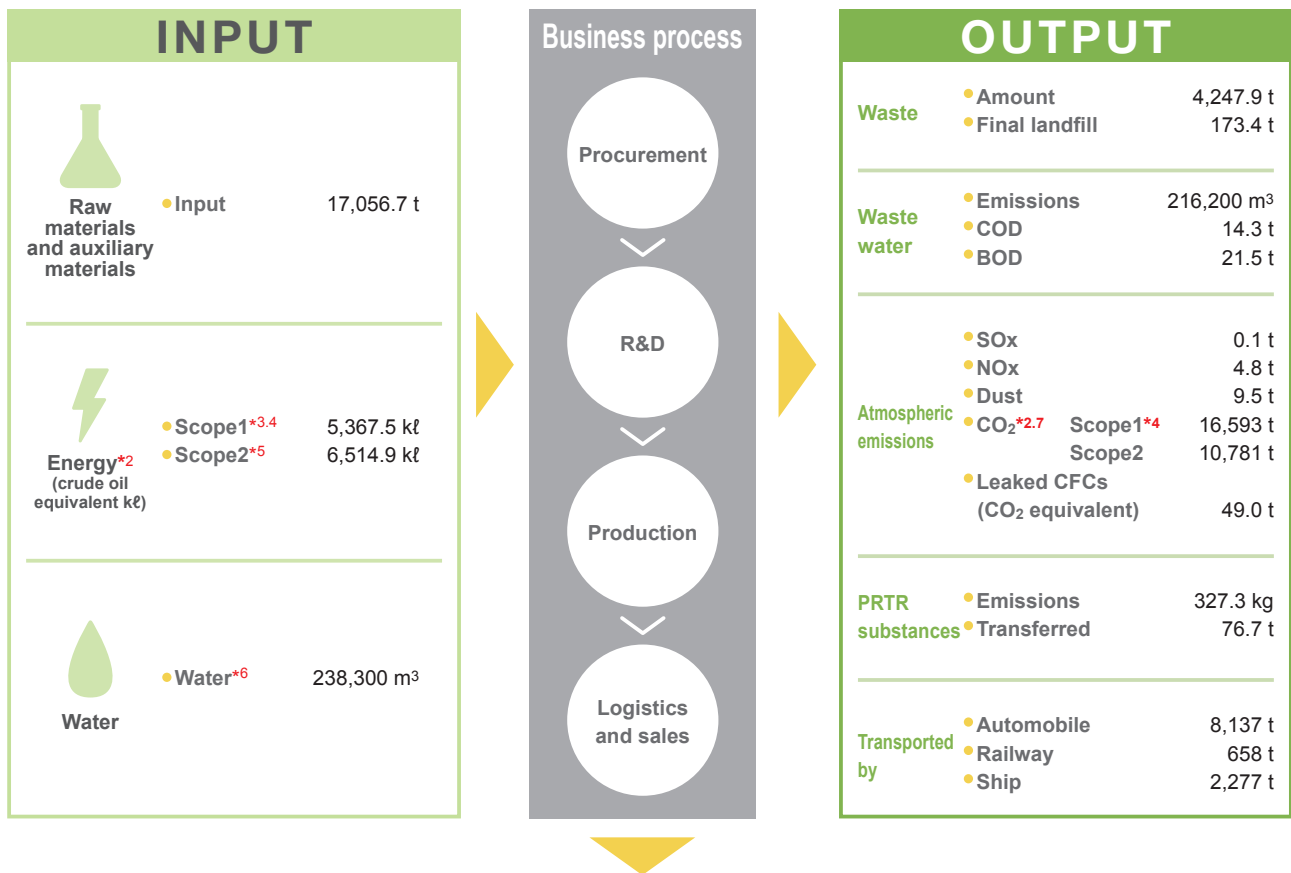


\* Calculated in accordance with the GHG Protocol



## ➤ Raising the Level of Environmental Management

### Material Flow\*1



\*1 Aggregation of Nihon Nohyaku and Nichino Service, unless otherwise specified.

\*2 Includes input from overseas manufacturing subsidiaries.

\*3 Amount of heavy oil, light oil, kerosene, gasoline, city gas and LP gas consumed are expressed in crude oil equivalent.

\*4 Includes fuel from commercial vehicles.

\*5 Purchased electricity and steam calculated as crude oil equivalent.

\*6 Total sum of tap water, well water, and industrial water for Research Center and Nichino Service Plants.

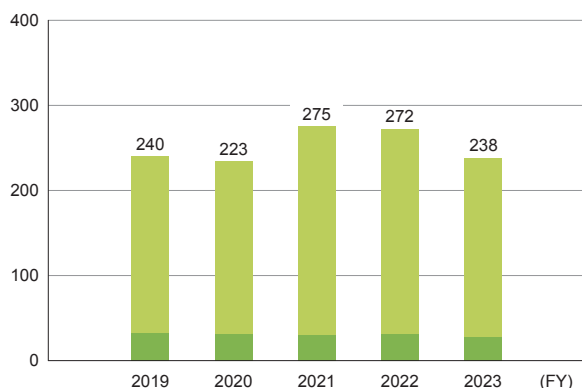
\*7 Used emission factors were referred to in the Act on Promotion of Global Warming Countermeasures.

### Prevention of Water Pollution

#### ● Water consumption

(1,000 m³)

■ Nihon Nohyaku ■ Nichino Service

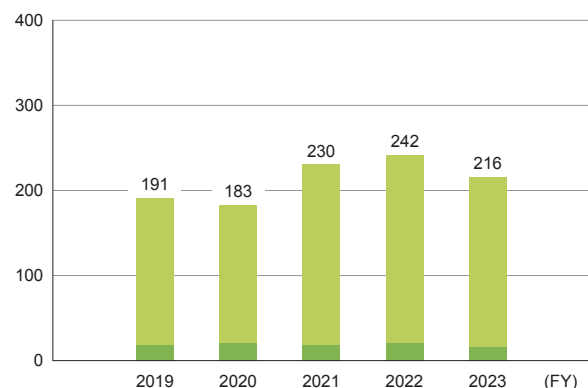


\* Aggregation period: April to March

#### ● Waste water volume

(1,000 m³)

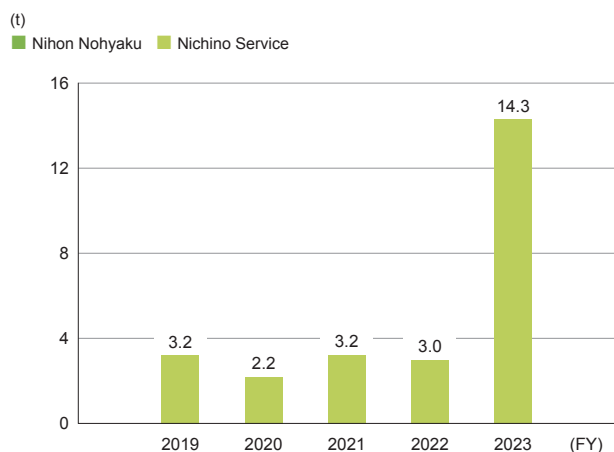
■ Nihon Nohyaku ■ Nichino Service



\* Aggregation period: April to March

## » Raising the Level of Environmental Management

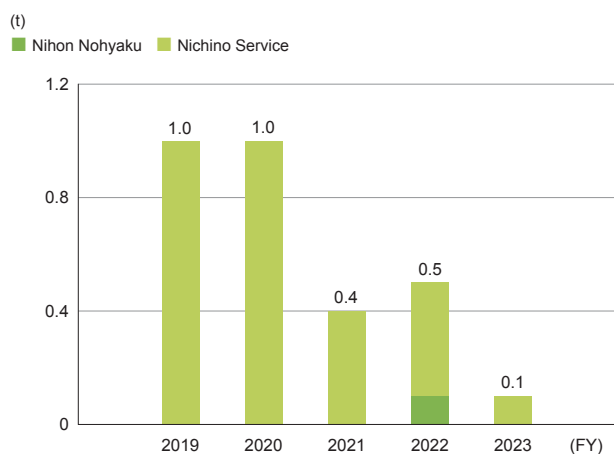
### ● COD emissions



\* Aggregation period: April to March

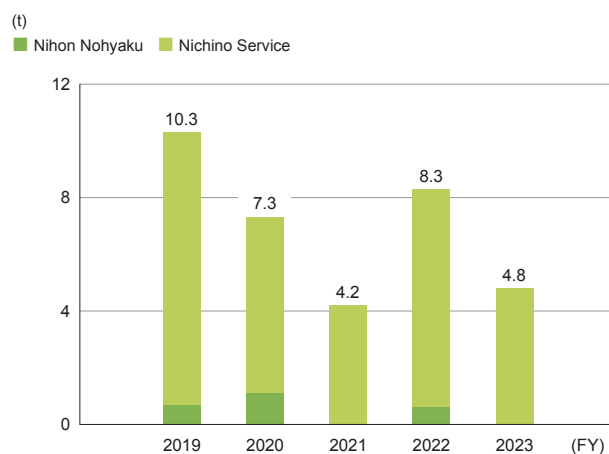
## Prevention of Air Pollution

### ● SOx emissions



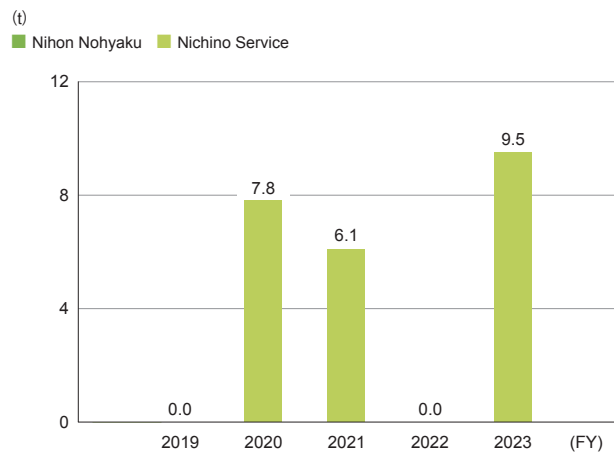
\* Aggregation period: April to March

### ● NOx emissions



\* Aggregation period: April to March

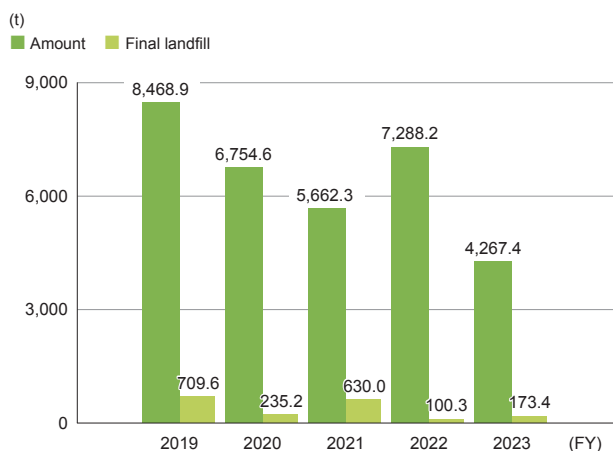
### ● Dust emissions



\* Aggregation period: April to March

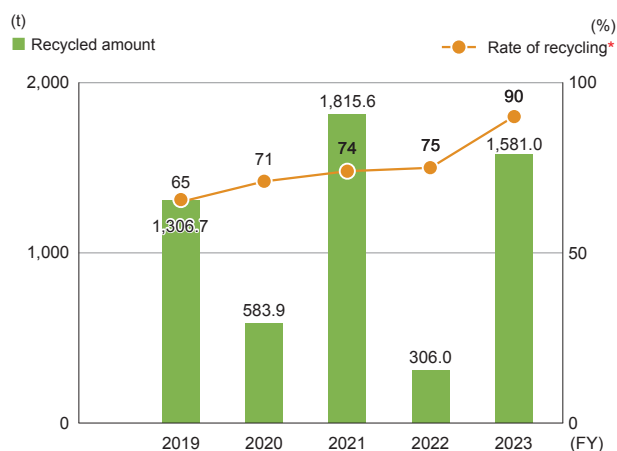
## Initiatives to Reduce Waste

### ● Industrial waste and disposal amount



\* Aggregation period: April to March

### ● Recycled amount and rate of recycling



\* Rate of recycling = recycled amount / (recycled amount + final landfill amount)

\* Aggregation period: April to March

### ● Green purchasing rate

Mar. 2020	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024
99.8%	99.9%	99.9%	100%	99.9%

## Investments and Costs Related to Environmental Conservation

Total investments and expenses\*<sup>1</sup> related to environmental conservation both decreased from the previous year. Of the expenses, 85% were related to environmental conservation within R&D.

Environmental conservation is one of the important social responsibilities of a corporation, and we will continue to allocate appropriate expenditures for investments and expenses.

Environmental conservation Costs (Unit: million yen)* <sup>2</sup>				
Classification		Details of major initiatives	Investments	Expenses
1. Costs within business area	(1) Pollution prevention	Prevention of air, water, soil and noise pollution, as well as vibrations, bad odor and ground subsidence etc.	65 (19)	66.7 (20)
	(2) Global environmental conservation	Prevention of global warming (energy conservation), and prevention of ozone layer depletion	6.7 (-5)	1.0 (-8)
	(3) Resource recycling	Curbing and reducing waste generation, recycling and other resource circulation	0	54.4 (7)
2. Upstream/Downstream		Green purchasing, environmental load reduction for containers and packaging, product recalls and recycling	0 (-1)	1.1 (-2)
3. Management activity		Environmental ISO, environmental information disclosure, environmental load monitoring, greening	0 (-1)	6.5 (4)
4. R&D costs		R&D expenses related to environmental conservation	22.8 (-102)	513.7 (-105)
5. Social activity costs		Greening and beautification of office neighborhoods, donations and support for organizations involved in environmental conservation	0	1
6. Environment damage recovery costs		Remediation of contaminated water and soil etc. and natural restoration	0	0
Total			94.4 (-89)	644.5 (-82)

\*<sup>1</sup> Expense amounts: Maintenance and management expenses for facilities used for environmental measures as well as personnel and other expenses related to other environmental measures (including depreciation).

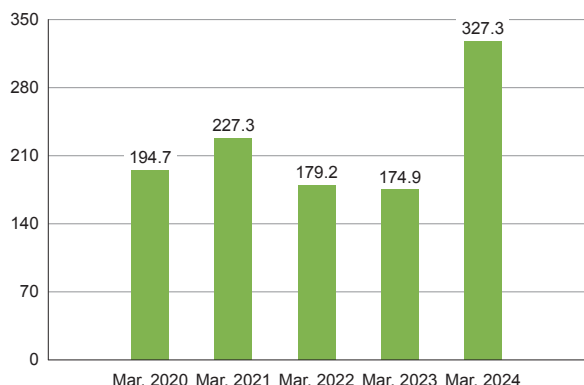
\*<sup>2</sup> ( ) indicates change from previous fiscal year, no figures indicated if unchanged.

## >> Raising the Level of Environmental Management

### Related to the PRTR Law\*1

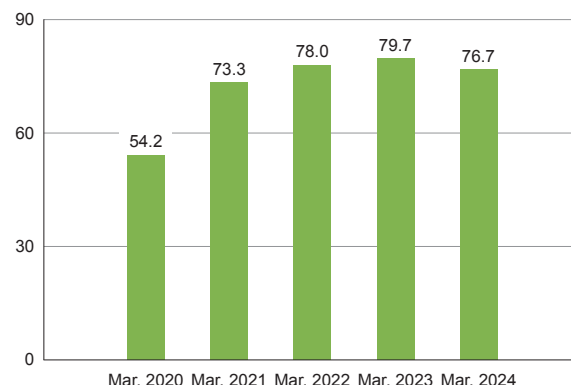
#### ● Emissions\*2

(kg)



#### ● Transferred\*3

(t)



\*1 PRTR is an abbreviation of Pollutant Release and Transfer Register, defined under the Act on Confirmation etc., of Release Amounts of Specific Chemical Substances into the Environment and Promotion of Improvements to the Management Thereof.

\*2 Release to atmosphere, public waters, soil and landfill.

\*3 The amount of substances including those transferred to sewer works and for which disposal was consigned to a waste disposal contractor (excluding the amount shipped as commercial products).

#### ● Emissions: Top 10 substances by amount

Emissions				
Rank	Substance name	(kg)	Previous year (kg)	Compared to previous year (%)
1	Flutolanil*	69.0	0.0	—
2	Methyl alcohol	60.0	0.0	—
3	Ethyl acetate	42.0	0.0	—
4	Buprofezin*	30.0	3.0	1,000
5	Ethylbenzene	28.0	12.1	231
6	Xylene	21.0	17.1	123
7	1,2-Dichloroethane	14.0	11.0	127
8	Triethylamine	11.0	22.0	50
9	Hexane	10.0	0.0	—
10	Acetone	5.0	0.0	—
	Other	37.3	109.7	34
	Total	327.3	174.9	187

#### ● Transferred: Top 10 substances by amount

Emissions				
Rank	Substance name	(t)	Previous year (t)	Compared to previous year (%)
1	Chlorobenzene	32.0	44.1	73
2	Xylene	16.8	3.7	454
3	Tiadinil*	8.7	0.0	—
4	Hexane	3.0	0.0	—
5	Linuron*	2.6	0.0	—
6	Isoprothiolane*	1.9	0.0	—
7	Azoxystrobin*	1.6	1.0	160
8	Isoprothiolane*	1.5	0.0	—
9	Chlorantraniliprole*	1.4	0.0	—
10	Buprofezin*	1.1	1.0	110
	Other	6.1	29.9	20
	Total	76.7	79.7	96

\* All are active ingredients of agrochemicals

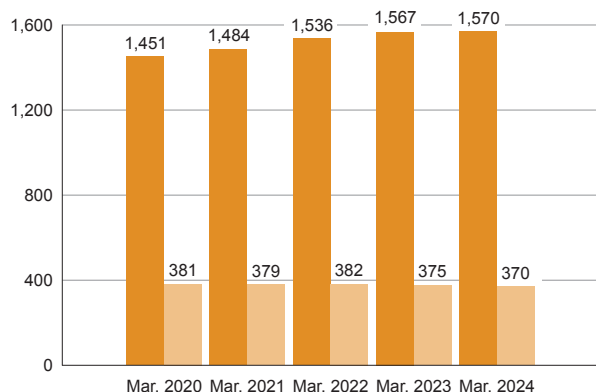


# Expansion of Human Rights Management

## Number of employees (consolidated/non-consolidated)

(persons)

Consolidated Non-consolidated



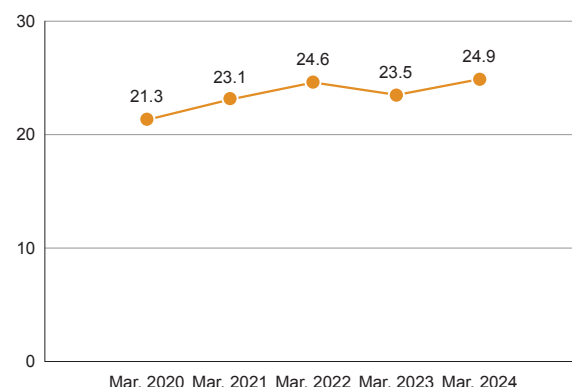
\* Consolidated (not including those seconded to outside the Group)

\* Non-consolidated (not including those who are seconded)

\* Data only for regular full-time and temporary full-time employees, and does not include contract employees.

## Rate of female employees (Nihon Nohyaku Co., Ltd.)

(%)

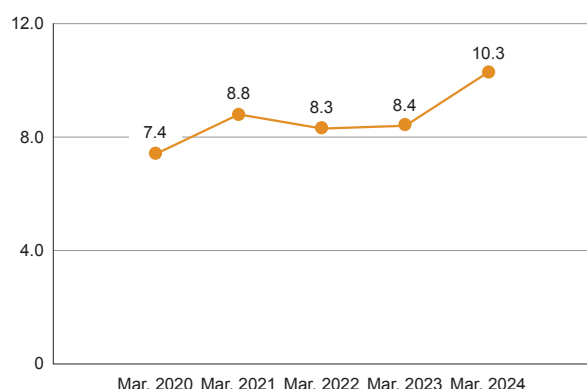


\* Non-consolidated (not including those who are seconded)

\* Data only for regular full-time and temporary full-time employees, and does not include contract employees.

## Rate of female managers (Nihon Nohyaku Co., Ltd.)

(%)

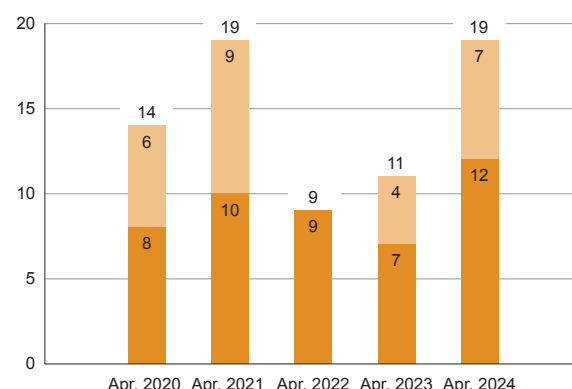


\* Non-consolidated (Enrolled employees = Including seconded employees)

## Number of new graduate employees

(persons)

Male Female

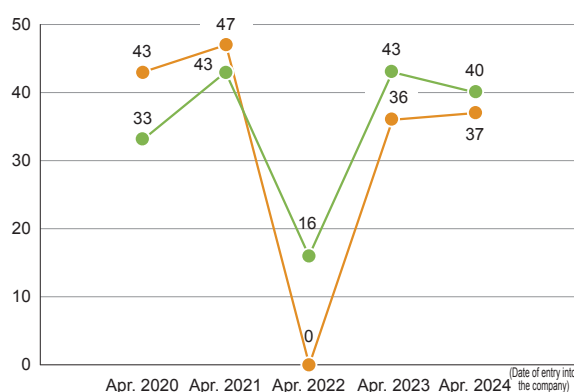


\* Non-consolidated

## Percentage of women in new graduate employees and at the final selection for them

(%)

Percentage of women in new graduate employees Percentage of women at the final selection

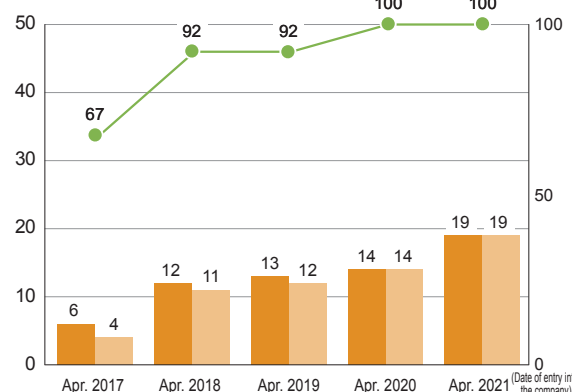


\* Non-consolidated

## Retention rate of new graduate employees after 3 years of employment

(persons)

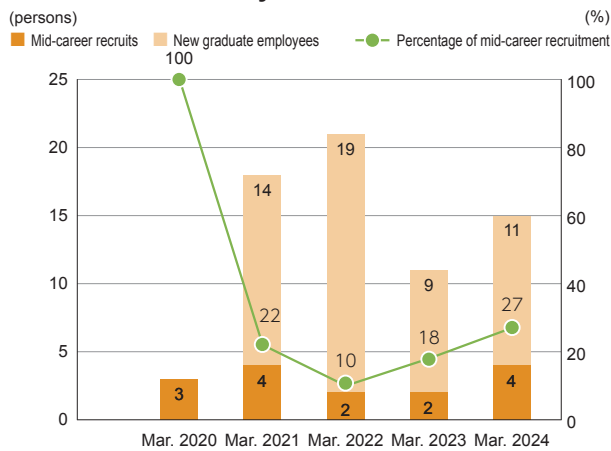
New employees After 3 years



\* Non-consolidated

## » Expansion of Human Rights Management

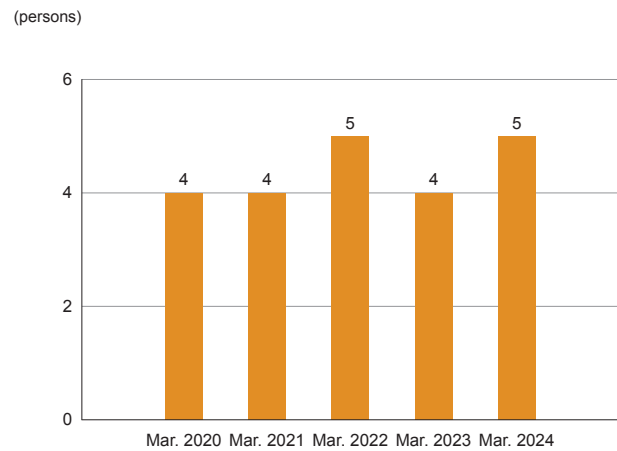
### ● Number of mid-career recruits and percentage of mid-career recruitment of full-time workers hired in the fiscal year



\* Non-consolidated

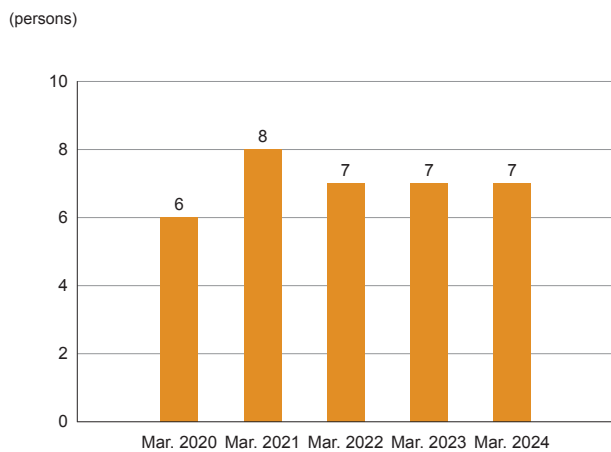
\* No new graduate were hired in March 2020 as the fiscal year was a six-month period (October 2019 to March 2020).

### ● Number of non-Japanese employees



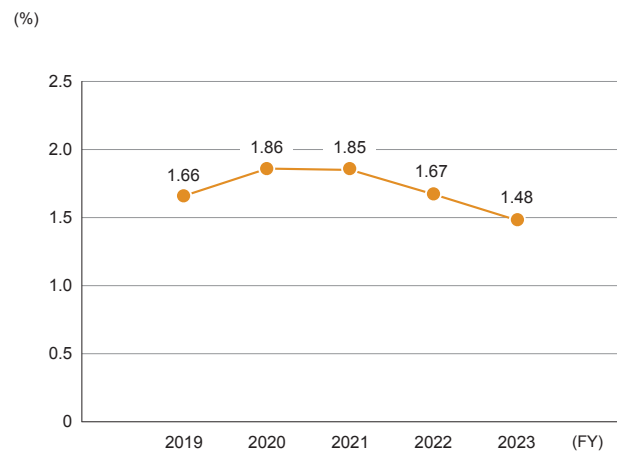
\* Non-consolidated (Enrolled employees = Including seconded employees)

### ● Number of employees with disabilities



\* Non-consolidated (Enrolled employees = Including seconded employees)

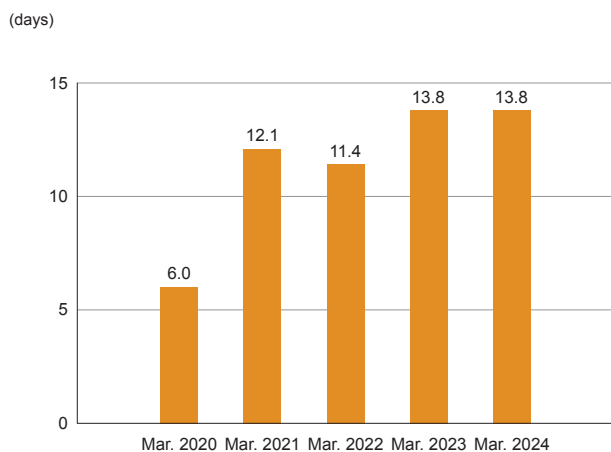
### ● Percentage of employees with disabilities



\* FY (April-March) figures

\* Non-consolidated (Enrolled employees = Including seconded employees)

### ● Average paid leave days taken per year



\* March 2020 to March 2022: Applies to regular fulltime and temporary fulltime employees, and does not include contract employees.

\* March 2023 to March 2024: Data for all employees, including contract employees.

### ● Number of men eligible for childcare leave and number of men taking childcare leave



\* Data for all employees, including contract employees.

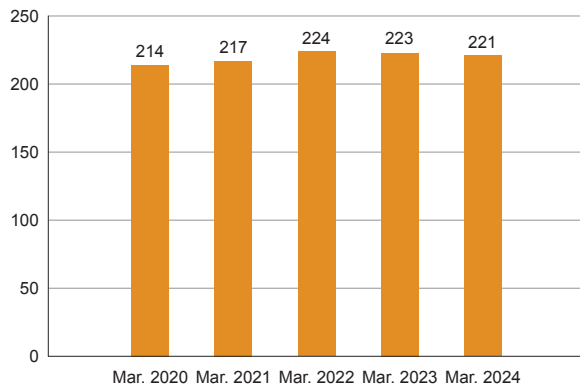
\* Non-consolidated (not including those who are seconded)

\* Female employee maternity leave usage rate was 100%.

## Expansion of Human Rights Management

### Number of union members

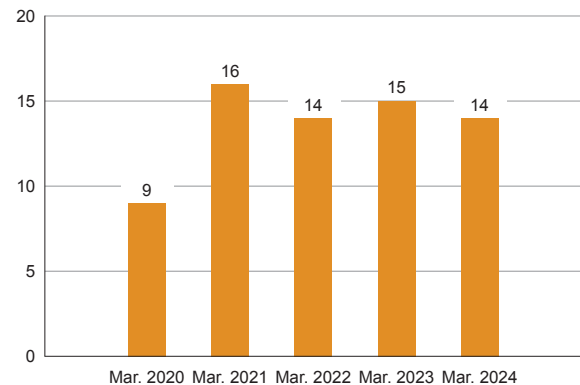
(persons)



\* Non-consolidated(Enrolled employees = Including seconded employees)

### Number of labor-management council

(times)



\* Non-consolidated

### Starting salary

	Apr. 2020	Apr. 2021	Apr. 2022	Apr. 2023	Apr. 2024
Doctoral degree	241,200 yen	261,400 yen	268,900 yen	275,900 yen	285,900 yen
Master's degree	220,300 yen	240,500 yen	243,000 yen	250,000 yen	260,000 yen
Bachelor's degree	212,500 yen	231,700 yen	234,200 yen	241,200 yen	251,200 yen

\* Non-consolidated

### Prescribed working hours and prescribed working days

	Mar. 2020	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024
Prescribed working hours	912 hrs. 20 min.	1,847 hrs. 40 min.	1,847 hrs. 40 min.	1,855 hrs. 20 min.	1,847 hrs. 40 min.
Prescribed working days	119 days	241 days	241 days	242 days	241 days

\* Non-consolidated

### Stress check examination rate

	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024
Stress check examination rate	97.2%	97.7%	99.1%	99.4%

\* Non-consolidated (not including those who are seconded)

### Difference in wages between men and women (percentage of women's wages compared to men's)

Overall	Full-time employees	Non-regular employees
74.2%	81.5%	66.4%

\* Non-consolidated (not including those who are seconded)

### Major Nihon Nohyaku programs related to comfortable work environments

Field	Internal programs
Work systems	Normal work system, Time attendance system, Flex-time work system, Discretionary work system, Deemed outside work-site system
Holidays	Saturdays, Sundays, national holidays, winter holidays (December 29 to January 3), labor day holiday (May 1), Foundation Anniversary Day (November 17)
Realizing diverse workstyles	Annual paid leave, Congratulatory or condolence leave, Posting leave, Maternity leave, Summer vacation (5 days), Refresh vacations, Half-day paid leave, Childcare leave system, Childcare time (duty exemption), Shorter working hours system for expectant and nursing mothers (duty exemption), Child nursing care leave (paid), Leave for childcare (paid), Family care leave system, Family care leave (paid) Shorter working hours system for childcare, family care, injury and sickness treatment, Working from home system, Area full time employee system (only when appointed as full-time employee)
Maintaining and promoting the health of employees	Medical examinations for all employees (full physical examinations for employees over age 40), Long-term sick leave, Stress check surveys, Telephone health consultations
Other benefits	Property accumulation savings, Housing loans, Defined contribution pension plan, Employee stock ownership plan, Leased company housing system

# » Enhancing the Safety Culture

## Occupational Safety & Health, Process Safety & Disaster Prevention .....

### ● Incident rate

Workdays lost/total working hours (per 1,000 hours)

FY2019	FY2020	FY2021	FY2022	FY2023
0.23	0	0	0.03	0.00

\* Aggregation period: April to March

### ● Record of zero-occupational accidents (as of March 31, 2024)

Record of No. of days without an accident with workdays lost

		Total No. of Days
Nihon Nohyaku	Research Center	605
	Fukushima Plant	3,725
Nichino Service	Kashima Plant	13,079
	Saga Plant	256

\* Scope of aggregation: The scope of aggregation of incident rate, the incident rate without workdays lost, and record of zero-occupational accidents reflects the Research Center and the three business sites of Nichino Service.

### ● Incident rate without workdays lost

Number of injury and sickness due to accidents without workdays lost/total working hours (per millions of hours)

FY2019	FY2020	FY2021	FY2022	FY2023
4.77	0	1.24	4.09	1.62

\* Aggregation period: April to March

### ● Expenditures on safety and health (FY2023)

Amount of money put towards improving employee health

	Total (thousand yen)
Vaccination and mental health	1,773
Industrial physician-related	8,003
Medical examination-related	20,489

\* Scope of aggregation: Nihon Nohyaku and Nichino Service

## Supply Chain Management .....

### ● The Nichino Group Green Procurement Standards

Each green supplier of chemical materials should satisfy the condition 1) and at least one more condition from 2) to 4).

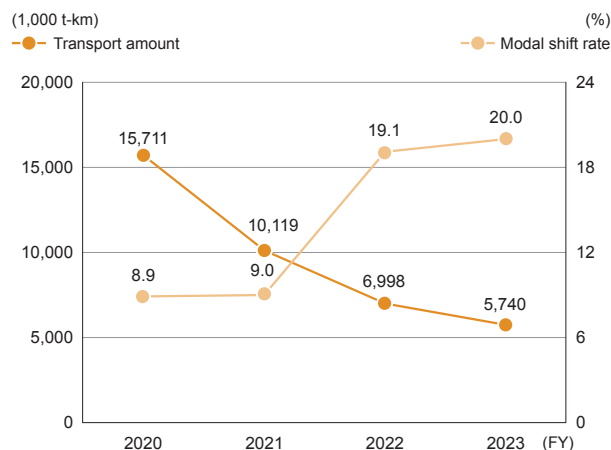
- 1) Providing SDS (Safety Data Sheet) or equivalent GHS-related information.
- 2) Actively promoting environmental conservation<sup>\*1</sup>.
- 3) Supplying products with less environmental impact and without highly hazardous substances<sup>\*2</sup>.
- 4) Not using highly hazardous substances during processing and manufacturing<sup>\*2</sup>.

<sup>\*1</sup> Activity examples: acquired environment management system certification, involved in Responsible Care activities, participating in national environmental conservation activities (Fun to Share etc.), issuing environmental reports, acquired environmental ranking etc.

<sup>\*2</sup> Hazardous substance examples: POPs, PRTR substances (excluding agrochemical active ingredients), substances subject to major regulations in other countries (e.g. SVHC in the EU), chemical substances not allowed in foods etc.

## Logistics Safety .....

### ● Transport amount and modal shift rate



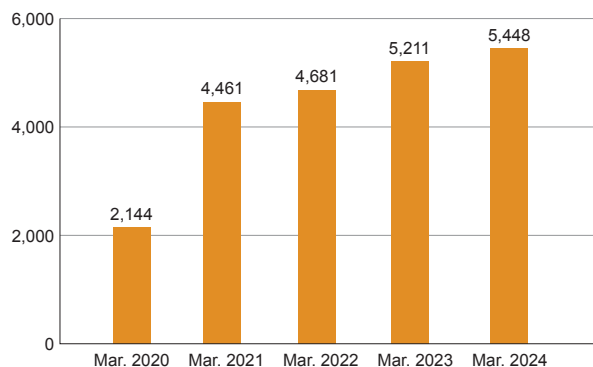
\* Aggregation period: April to March

## >> Development of Technologies and Products that Meet Needs of Society

### R&D Expenses and Number of Patent Applications Filed .....

#### ● R&D expenses (Group consolidated)

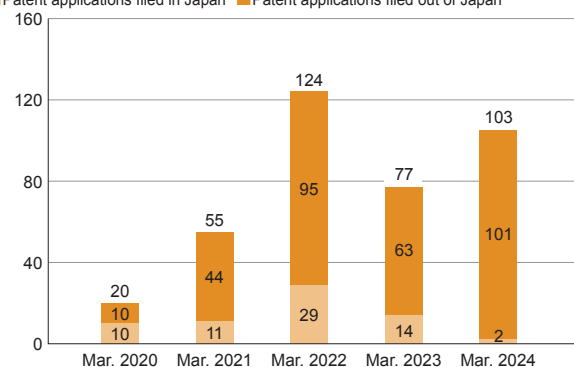
(million yen)



#### ● Number of patent applications filed (Nihon Nohyaku Co., Ltd.)

(Number)

■ Patent applications filed in Japan ■ Patent applications filed out of Japan\*



\* Number of PCT international applications filed (by transfer country) + Paris route or Number of standard applications filed

## >> Community Involvement

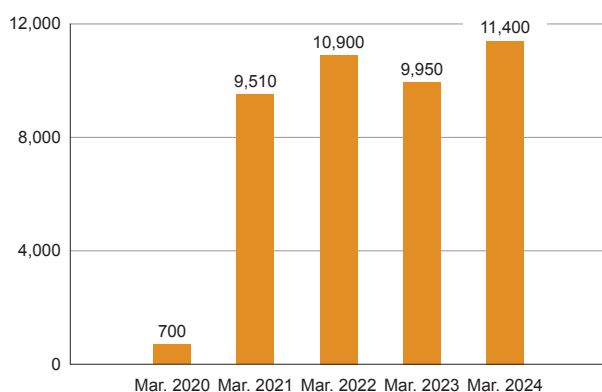
### Communication with Investors .....

#### ● Communication with Investors

Content	Mar. 2020	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024
Number of the company visits by investors	8	2	2	13	6
Number of visits to investors	4	0	0	0	0
Number of Earnings Conference attendees	40	48	99	111	71
Number of small meeting attendees	—	—	—	—	14
Number of participants in Research Center tours	0	0	0	0	10
Number of telephone conferences	6	40	69	113	86

#### ● Charitable donations (Nihon Nohyaku Co., Ltd.)

(thousand yen)



\* FY2019 represents the period from October 1, 2019 to March 31, 2020 due to the change of fiscal year end.

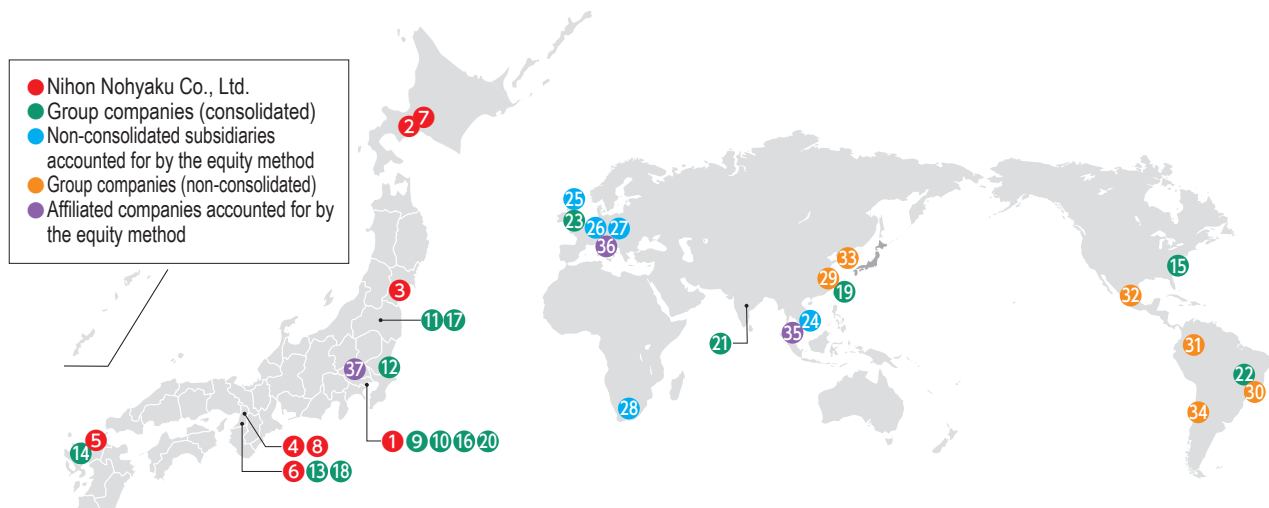
## >> Expansion of Compliance and Risk Management

### ● Number of compliance violations/Number of whistleblowing cases

	Mar. 2022	Mar. 2023	Mar. 2024
Number of compliance violations	9	14	13
Number of whistleblowing cases	1	1	0

\* The above aggregate results are from Nihon Nohyaku Co., Ltd.

# >> Company Overview and List of NICHINO Group Companies



## Nihon Nohyaku Co., Ltd.

as of June 19, 2024

Head Office address	19-8 Kyobashi 1-Chome, Chuo-ku, Tokyo 104-8386
Founded	November 17, 1928
Capital	14,939 million yen
Number of employees (consolidated)	1,570 (as of March 31, 2024)
Main business	Manufacture, import, export, and sale of a variety of products including Agrochemicals, Pharmaceuticals, Animal health products, Wood preservatives, and Agricultural materials

Head Office and Branches	<b>1</b> Head Office, Tokyo Branch (Chuo-ku, Tokyo) <b>2</b> Sapporo Branch (Sapporo-shi, Hokkaido) <b>3</b> Sendai Branch (Sendai-shi, Miyagi) <b>4</b> Osaka Branch (Osaka-shi, Osaka) <b>5</b> Fukuoka Branch (Fukuoka-shi, Fukuoka) <b>8</b> Osaka Office (Osaka-shi, Osaka)
Research Facilities	<b>6</b> Research Center (Kawachinagano-shi, Osaka)
Research Farms	<b>7</b> Naganuma Nursery (Yubari-gun, Hokkaido)
Manufacturing Plant (outsource)	<b>10</b> Nichino Service Co., Ltd. <b>11</b> Fukushima Plant / <b>12</b> Kashima Plant / <b>14</b> Saga Plant

## Consolidated Group Companies

<b>9</b> Nichino Ryokka Co., Ltd.	Sales of chemical products for golf courses, home, gardening, greening purpose, as well as turf and related materials, garden's design and construction and landscaping	Chuo-ku, Tokyo
<b>10</b> Nichino Service Co., Ltd. (Head Office)	Manufacturing, storage, transport and sales of agrochemicals, contracted manufacturing, cultivation and management of fields and real estate management	Chuo-ku, Tokyo
<b>11</b> Fukushima Plant		Nihonmatsu-shi, Fukushima
<b>12</b> Kashima Plant		Kamisu-shi, Ibaraki
<b>13</b> Kawachinagano Center		Kawachinagano-shi, Osaka
<b>14</b> Saga Plant		Miyaki-gun, Saga
<b>15</b> Nichino America, Inc.	Agrochemical sales, promotion, development, and registration in the U.S.A.	Wilmington, U.S.A.
<b>16</b> Nihon Ecotech Co., Ltd.	Agrochemical residue analysis and chemical substance safety testing	Chuo-ku, Tokyo
<b>17</b> Fukushima Analytical Technology Center		Nihonmatsu-shi, Fukushima
<b>18</b> Osaka Analytical Technology Center		Kawachinagano-shi, Osaka
<b>19</b> Taiwan Nihon Nohyaku Co., Ltd.	Agrochemical sales, promotion, development, and registration in Taiwan	Taipei, Taiwan
<b>20</b> AgriMart Corporation	Sales of termite control materials and epidemic prevention insecticides	Chuo-ku, Tokyo
<b>21</b> Nichino India Pvt. Ltd.	Agrochemical manufacturing, sales, import and export, promotion, and development in India	Hyderabad, India
<b>22</b> Sipcam Nichino Brasil S.A.	Agrochemical manufacturing and sales in Brazil	Uberaba, Brazil
<b>23</b> Nichino Europe Co., Ltd.	Agrochemical sales, promotion, development, and registration in Europe	Cambridge, UK

## Non-consolidated Subsidiaries Accounted for by the Equity Method

<b>24</b> Nichino Vietnam Co., Ltd.	Agrochemical sales, promotion, and development in Vietnam	Ho Chi Minh, Vietnam
<b>25</b> Interagro (UK) Ltd.	Sales and development of adjuvants and biostimulants in the UK and Europe	Cambridge, UK
<b>26</b> Interagro Netherlands BV		Utrecht, Netherlands
<b>27</b> IA Agriculture Hungary Kft		Budapest, Hungary
<b>28</b> Nichino South Africa (Pty) Ltd		Johannesburg, South Africa

## Non-consolidated Group Companies

<b>29</b> Nichino Shanghai Co., Ltd.	Agrochemical promotion in China	Shanghai, China
<b>30</b> Nichino do Brasil Agroquímicos Ltda.	Agrochemical development and registration in Brazil	Sao Paulo, Brazil
<b>31</b> Nihon Nohyaku Andica S.A.S.	Agrochemical sales, import and export, promotion, and development in the Andes and Central America	Bogota, Colombia
<b>32</b> Nichino México S. de R.L. de C.V.	Agrochemical sales, promotion, development, and registration in Mexico	Mexico City, Mexico
<b>33</b> Nichino Korea Co., Ltd.	Agrochemical sales, promotion, development, and registration in South Korea	Seoul, South Korea
<b>34</b> Nichino Chile SpA	Agrochemical sales, promotion, development, and registration in Chile	Santiago, Chile

## Affiliated Companies Accounted for by the Equity Method

<b>35</b> Agricultural Chemicals (Malaysia) Sdn. Bhd.	Agrochemical manufacturing and sales in Malaysia	Penang, Malaysia
<b>36</b> Sipcam Europe S.p.A.	Agrochemical manufacturing and sales in Europe	Milan, Italy
<b>37</b> Tama Kagaku Kogyo Co., Ltd.	Contract manufacturing of active ingredients and raw materials for agrochemicals, pharmaceuticals and functional materials	Yashio-shi, Saitama

# >> Information of Each Facility

Number of employees for Research Center and each plant includes non-full-time employees.

## Research Center

**General Manager:** Shinsuke Fujioka

**Address:**

345, Oyamada-cho, Kawachinagano-shi, Osaka

**Number of employees:** 218

(Including members of Nichino Service Kawachinagano Center)

**Land area:** approx. 71,000 m<sup>2</sup>

**Floor surface area:** approx. 16,000 m<sup>2</sup>



### Research Center environmental data

Items	Content (unit)	FY2021	FY2022	FY2023
Energy	Crude oil equivalent (kt)	2,077.8	2,006.7	1,786.8
	Water (1,000 m <sup>3</sup> )	29.2	30.7	28.6
Atmospheric emissions	SOx (t)	0.0	0.0	0.0
	NOx (t)	0.7	0.0	0.0
	Dust (t)	0.0	0.0	0.0
	CO <sub>2</sub> (t)	3,348.6	3,019.2	3,377.4
Waste	Amount (t)	268.1	192.7	210.2
	Final landfill (t)	98.0	94.0	94.4
Waste water	Volume (1,000 m <sup>3</sup> )	18.3	19.2	16.8
	COD (t)	0.0	0.0	0.0

## Nichino Service Co., Ltd. Kashima Plant

**General Manager:** Shigeyuki Sakao

**Address:** 19, Sunayama, Kamisu-shi, Ibaraki

**Number of employees:** 66

(including Nihon Nohyaku members assigned to the Kashima Plant)

**Land area:** approx. 45,000 m<sup>2</sup>

**Floor surface area:** approx. 12,800 m<sup>2</sup>



### Nichino Service Kashima Plant environmental data\*

Items	Content (unit)	FY2021	FY2022	FY2023
Products	Active ingredients / bulk powder (t)	1,747.9	1,843.3	443.2
Energy	Crude oil equivalent (kt)	2,226.3	1,962.6	1,653.2
	Water (1,000 m <sup>3</sup> )	215.0	220.2	192.0
Atmospheric emissions	SOx (t)	0.1	0.1	0.1
	NOx (t)	3.1	7.6	4.4
	Dust (t)	6.1	0.0	9.5
	CO <sub>2</sub> (t)	3,469.9	3,018.9	2,508.0
Waste	Amount (t)	4,293.6	6,029.8	3,181.6
	Final landfill (t)	3.2	3.5	78.6
Waste water	Volume (1,000 m <sup>3</sup> )	201.6	211.1	190.3
	COD (t)	3.2	3.0	2.3

\* Includes volume used by the departments of Nihon Nohyaku stationed at the plant

## Nichino Service Co., Ltd. Fukushima Plant

**General Manager:** Toshiaki Shimizu

**Address:** 286, Hiraishitakada 4-Chome,  
Nihonmatsu-shi, Fukushima

**Number of employees:** 110

(Excluding members of Nihon Ecotech)

**Land area:** approx. 119,000 m<sup>2</sup>

**Floor surface area:** approx. 26,000 m<sup>2</sup>



### Nichino Service Fukushima Plant environmental data

Items	Content (unit)	FY2021	FY2022	FY2023
Products	Crop protection products (t)	5,620.3	5,352.0	5,126.0
Energy	Crude oil equivalent (kt)	472.8	439.3	457.5
	Water (1,000 m <sup>3</sup> )	8.9	8.3	6.9
Atmospheric emissions	SOx (t)	0.2	0.3	0.0
	NOx (t)	0.1	0.1	0.0
	Dust (t)	0.0	0.0	0.0
	CO <sub>2</sub> (t)	909.1	894.1	805.0
Waste	Amount (t)	424.2	394.2	430.3
	Final landfill (t)	0.0	1.5	0.0
Waste water	Volume (1,000 m <sup>3</sup> )	6.6	6.5	4.6
	COD (t)	0.0	0.0	0.0



## Nichino Service Co., Ltd. Saga Plant

**General Manager:** Toru Ohuchi

**Address:** 180-1, Aza Nihonsugi, Oaza  
Tsutsumi, Kamimine-cho, Miyaki-gun, Saga

**Number of employees:** 97  
(Including the five members of the former Osaka Storage and Delivery Group)

**Land area:** approx. 83,900 m<sup>2</sup>

**Floor surface area:** approx. 17,000 m<sup>2</sup>



### Nichino Service Saga Plant environmental data

Items	Content (unit)	FY2021	FY2022	FY2023
Products	Crop protection products (t)	6,409.2	5,377.3	4,162.9
Energy	Crude oil equivalent (kℓ)	1,124.9	938.6	691.9
	Water (1,000 m <sup>3</sup> )	21.7	12.6	10.8
Atmospheric emissions	SOx (t)	0.0	0.1	0.0
	NOx (t)	0.2	0.6	0.4
	Dust (t)	0.0	0.0	0.0
	CO <sub>2</sub> (t)	2,167.7	1,549.3	1,474.3
Waste	Amount (t)	631.6	629.4	427.8
	Final landfill (t)	0.0	0.0	0.0
Waste water	Volume (1,000 m <sup>3</sup> )	4.4	4.8	4.4
	COD (t)	0.0	0.0	12.1

## Nichino India Pvt. Ltd.

Content (unit)	FY2023			
	Balanagar	Pashamylaram	Humnabad	Jammu
Number of people (persons)	64	123	105	29
Land area (m <sup>2</sup> )	8,000	21,600	54,600	8,000
Production amount (t)	6,499.0	1,109.1	498.8	3,325.1
Energy consumption (crude oil equivalent kℓ) *	103.5	3,406.2	2,089.3	147.5
Water consumption (1,000 m <sup>3</sup> )	0.1	22.3	51.7	2.5
CO <sub>2</sub> emissions (t)	375.9	11,522.5	5,839.2	519.6
Waste water volume (1,000 m <sup>3</sup> )	0.1	0.0	0.0	0.0

\* Crude oil equivalent is calculated using Japan's coefficients.



Balanagar



Pashamylaram



Humnabad



Jammu

## Sipcam Nichino Brasil S.A.



Content (unit)	FY2023
Number of people (persons)	202
Land area (m <sup>2</sup> )	254,000
Production amount (t)	27,288.5
Energy consumption (crude oil equivalent kℓ) *	1,417.9
Water consumption (1,000 m <sup>3</sup> )	71.2
CO <sub>2</sub> emissions (t)	725.1
Waste water volume (1,000 m <sup>3</sup> )	1.0

\* Crude oil equivalent is calculated using Japan's coefficients.

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