



# Sustainability Data Book 2025

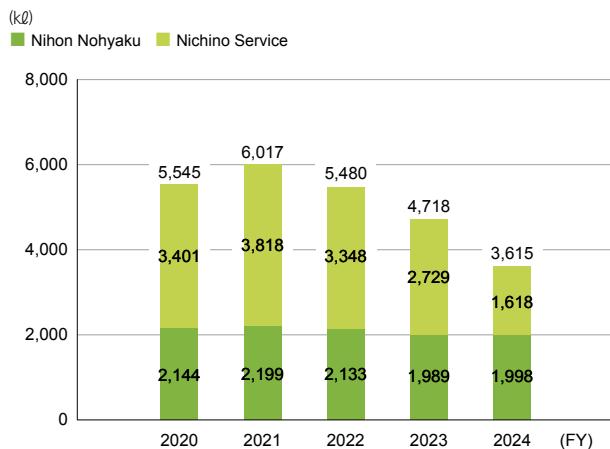
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**NIHON NOHYAKU CO., LTD.**

# ➤ Raising the Level of Environmental Management

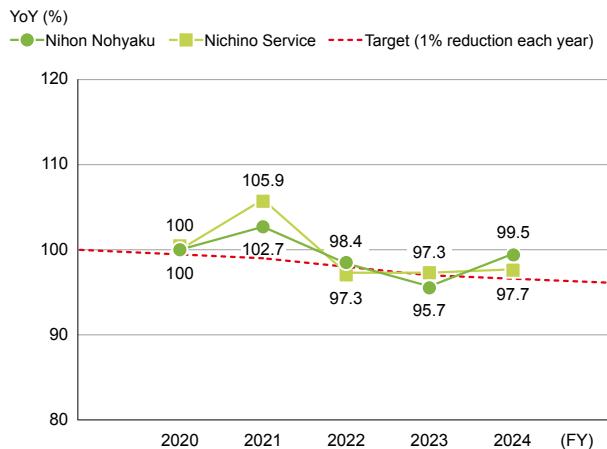
## Initiatives to Save Energy

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



\* Excluding fuel for company vehicles used outside work sites

### ● Energy intensity (index for FY2020 set as 100)



### ● Consumption by energy type

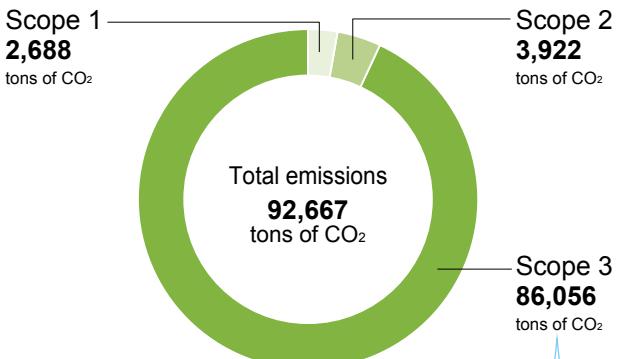
	Japan	
	Nihon Nohyaku+Nichino Service	
Gasoline		1.4 kℓ
(Automobile)		88.1 kℓ
Kerosene		30.3 kℓ
Light oil		2.7 kℓ
(Automobile)		5.8 kℓ
A-type heavy oil		50.1 kℓ
LPG		0.5 t
Natural gas and city gas	1,045,200	m <sup>3</sup>
Ethanol (self)		0 kℓ
Coal		0 t
Industrial steam		3,005.0 t
Electricity from fossil fuels		9,103.2 MWh
Electricity from solar power and non-fossil sources		2,121.6 MWh

## Reduction of GHG Emissions

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

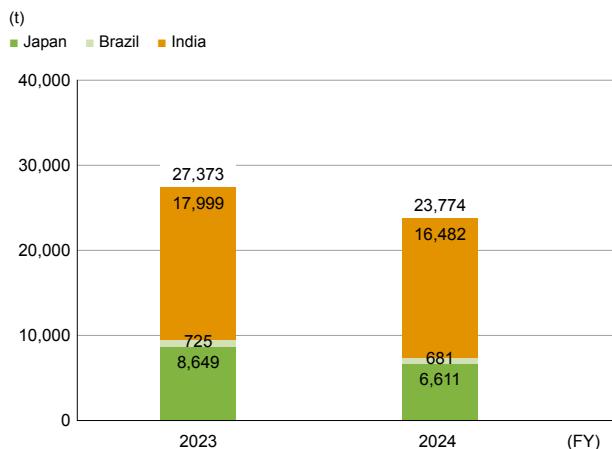


### ● Domestic CO<sub>2</sub> emissions and breakdown by Scope\*



\* Calculated in accordance with the GHG Protocol

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

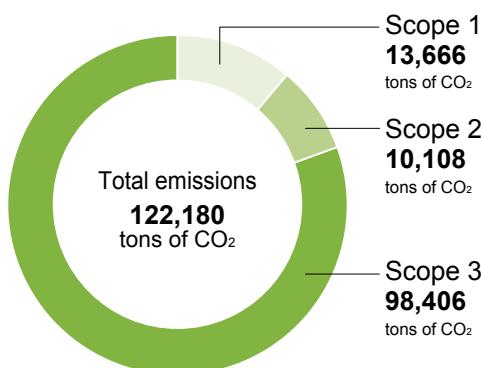


### Category Emissions (tons of CO<sub>2</sub>)

1: Purchased goods and services	70,291
2: Capital goods	5,045
3: Fuel- and energy-related activities not included in Scope 1 or Scope 2	1,611
4: Transport and delivery (upstream)	3,314
5: Waste from business activities	758
6: Business trips	442
7: Employee commuting	630
9: Transport and delivery (downstream)	1,942
12: End-of-life treatment of sold products	2,023

\* Scope 3 Categories other than the above do not apply and are not subject to accounting.

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



### Category Emissions (tons of CO<sub>2</sub>)

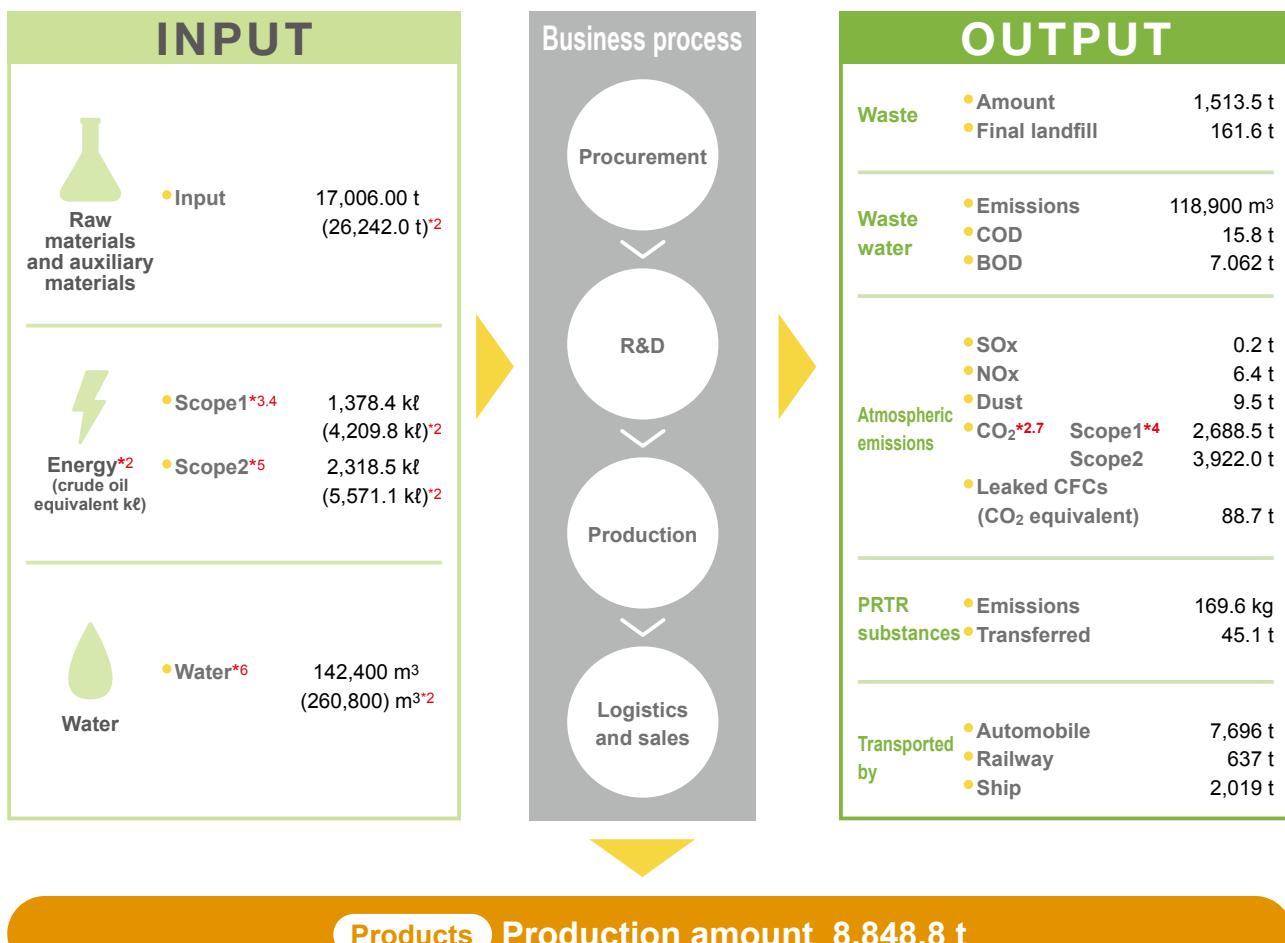
1: Purchased goods and services	75,872
2: Capital goods	5,045
3: Fuel- and energy-related activities not included in Scope 1 or Scope 2	2,691
4: Transport and delivery (upstream)	4,573
5: Waste from business activities	1,237
6: Business trips	492
7: Employee commuting	799
9: Transport and delivery (downstream)	5,675
12: End-of-life treatment of sold products	2,023

\* Scope 3: Currently available overseas data has been added to domestic data

\* Calculated in accordance with the GHG Protocol

## ➤ Raising the Level of Environmental Management

### Material Flow<sup>\*1</sup>



\*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.

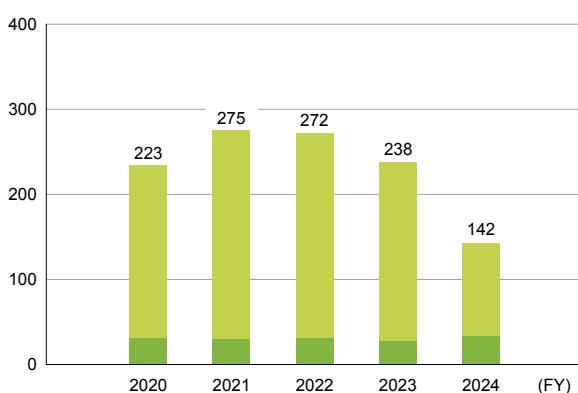
\*6 Total sum of tap water, well water, and industrial water for Research Center and Nichino Service Plants.

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

### Prevention of Water Pollution

#### Water consumption

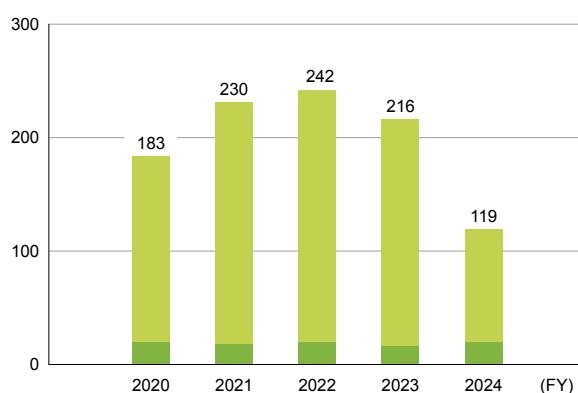
(1,000 m³)  
■ Nihon Nohyaku ■ Nichino Service



\* Aggregation period: April to March

#### Waste water volume

(1,000 m³)  
■ Nihon Nohyaku ■ Nichino Service

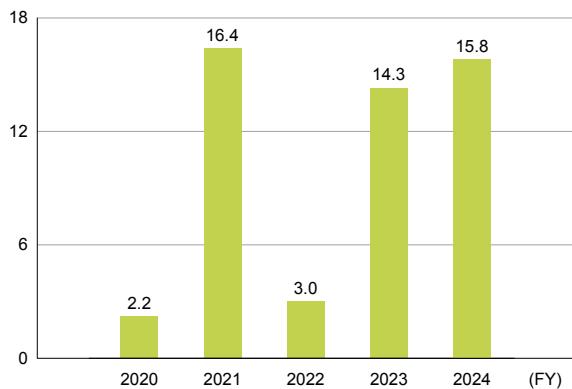


\* Aggregation period: April to March

## ➤ Raising the Level of Environmental Management

### ● COD emissions

(t)  
■ Nihon Nohyaku ■ Nichino Service

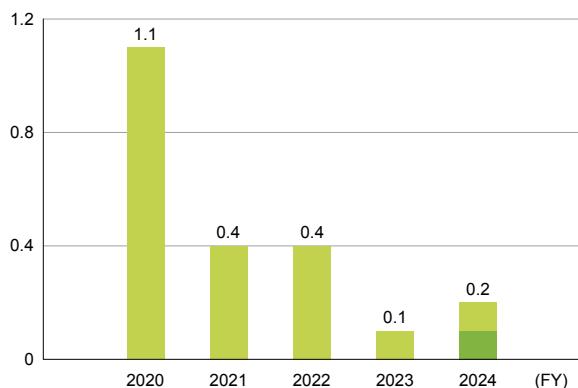


\* Aggregation period: April to March

## Prevention of Air Pollution

### ● SOx emissions

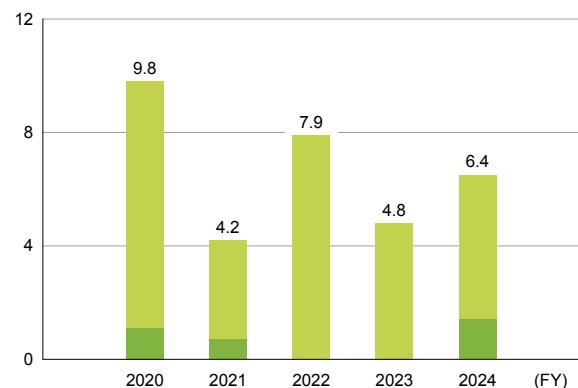
(t)  
■ Nihon Nohyaku ■ Nichino Service



\* Aggregation period: April to March

### ● NOx emissions

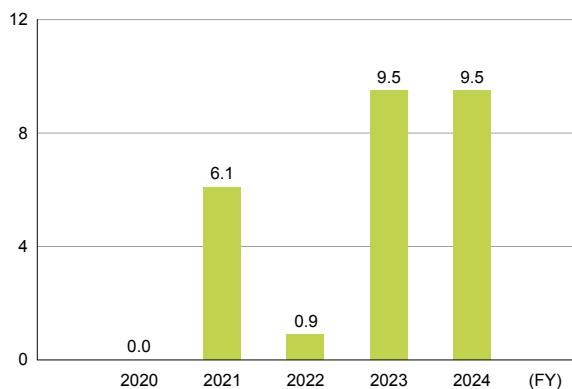
(t)  
■ Nihon Nohyaku ■ Nichino Service



\* Aggregation period: April to March

### ● Dust emissions

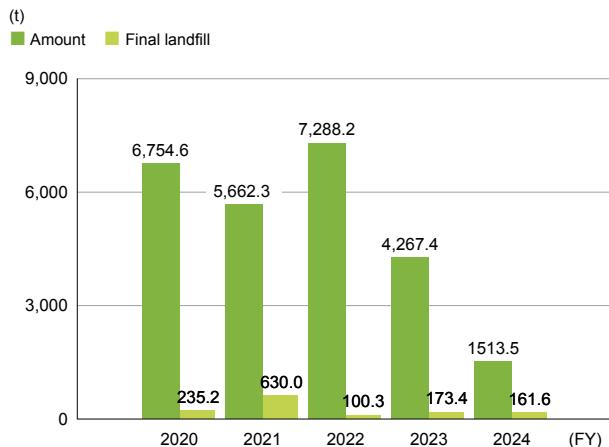
(t)  
■ Nihon Nohyaku ■ Nichino Service



\* Aggregation period: April to March

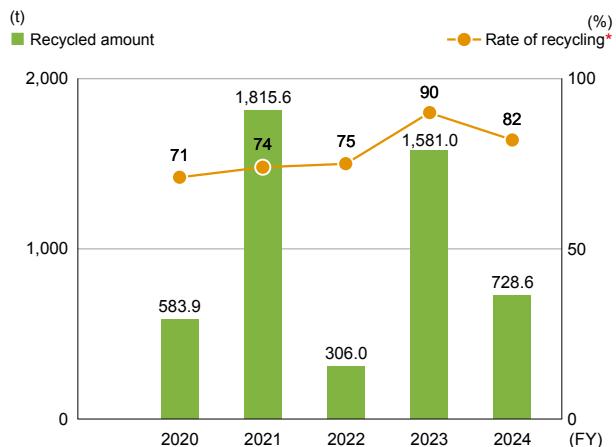
## Initiatives to Reduce Waste

### ● 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. 2021	Mar. 2022	Mar. 2023	Mar. 2024	Mar. 2025
99.9%	99.9%	100%	99.9%	100%

## 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.

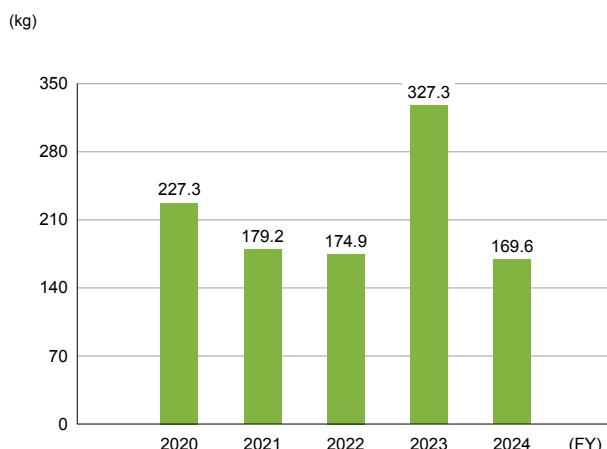
Environmental conservation Costs (Unit: million yen) <sup>2</sup>				
Classification		Details of major initiatives	Investments	Expenses
1. Costs within business area	(1) Pollution prevention	Prevention of air, water, soil and noise pollution, as well as vibrations, bad odor and ground subsidence etc.	8 (-57)	62 (-5)
	(2) Global environmental conservation	Prevention of global warming (energy conservation), and prevention of ozone layer depletion	61 (55)	12 (11)
	(3) Resource recycling	Curbing and reducing waste generation, recycling and other resource circulation	29 (29)	79 (25)
2. Upstream/Downstream	Green purchasing, environmental load reduction for containers and packaging, product recalls and recycling		0	1
3. Management activity	Environmental ISO, environmental information disclosure, environmental load monitoring, greening		4 (4)	9 (2)
4. R&D costs	R&D expenses related to environmental conservation		102 (79)	641 (127)
5. Social activity costs	Greening and beautification of office neighborhoods, donations and support for organizations involved in environmental conservation		2 (2)	1
6. Environment damage recovery costs	Remediation of contaminated water and soil etc. and natural restoration		0	0
Total			206 (112)	805 (160)

\*1 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).

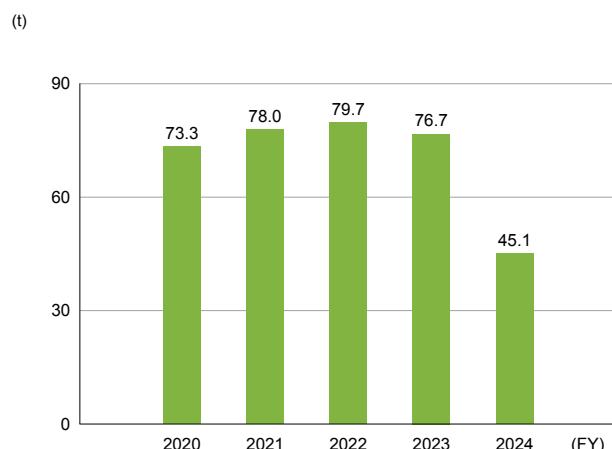
\*2 ( ) indicates change from previous fiscal year, no figures indicated if unchanged.

## Related to the PRTR Law\*1

### ● Emissions\*2



### ● Transferred\*3



\*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

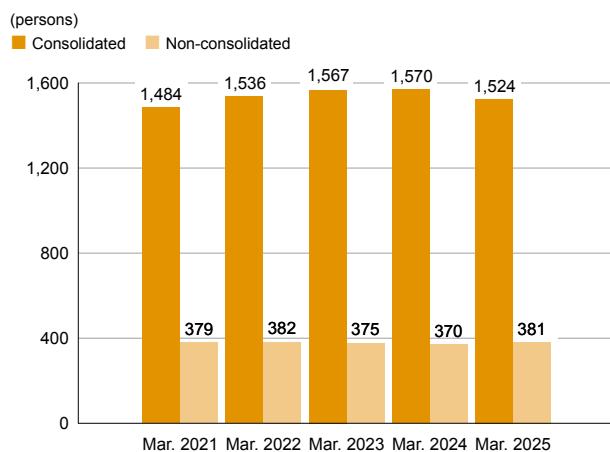
Emissions				
Rank	Substance name	(kg)	Previous year (kg)	Compared to previous year (%)
1	Hexane	57.0	10.0	570.0
2	Triethylamine	28.0	11.0	254.5
3	Xylene	16.2	21.0	77.1
4	1,2-Dichloroethane	14.0	14.0	100.0
5	Ethylbenzene	12.4	28.0	44.3
6	Buprofezin*	6.1	30.0	20.3
7	Flutolanil*	6.0	69.0	8.7
8	Pyrifluquinazon*	4.8	0.0	—
9	Hydrazine	4.4	0.0	—
10	Tiadinil*	3.4	0.0	—
	Other	17.3	144.3	12.0
	Total	169.6	327.3	51.8

### ● Transferred: Top 10 substances by amount

Emissions				
Rank	Substance name	(t)	Previous year (t)	Compared to previous year (%)
1	Xylene	18.2	16.8	108.3
2	Tiadinil*	5.4	8.7	62.1
3	Isoprothiolane*	3.0	1.9	157.9
4	Hexane	2.6	3.0	86.7
5	Ethylbenzene	2.3	0.0	—
6	Buprofezin*	1.2	1.1	109.1
7	Flutolanil*	1.2	0.0	—
8	Benzobicyclon*	1.1	0.0	—
9	Pyrifluquinazon*	1.0	0.0	—
10	Water-soluble zinc compounds	0.9	0.0	—
	Other	8.2	45.2	18.1
	Total	45.1	76.7	58.8

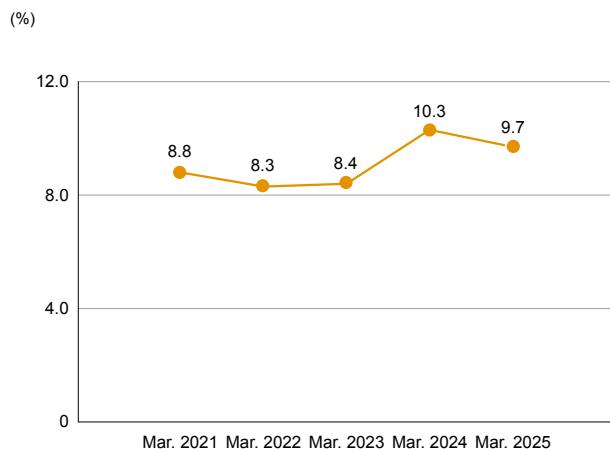
# Expansion of Human Rights Management

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



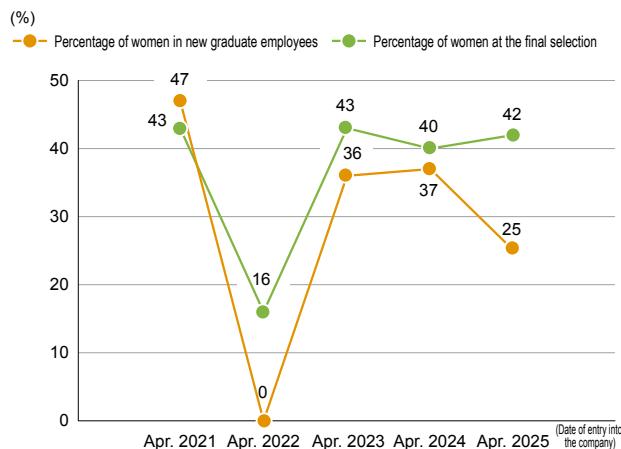
\* Consolidated (not including those seconded to outside the Group)  
 \* Non-consolidated (not including those who are seconded)  
 \* Data only for regular full-time and temporary full-time employees, and does not include contract employees.

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



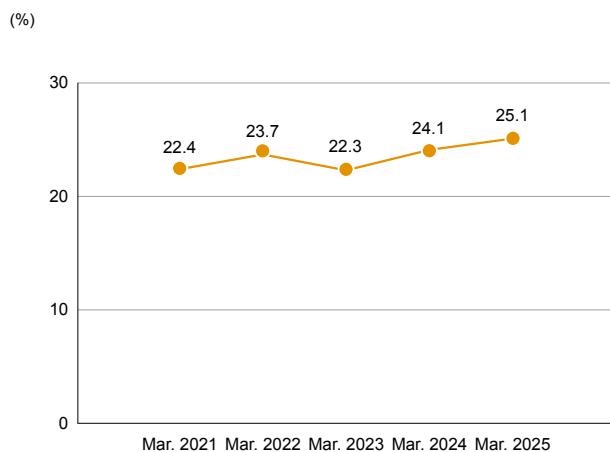
\* Non-consolidated (Enrolled employees = Including seconded employees)

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



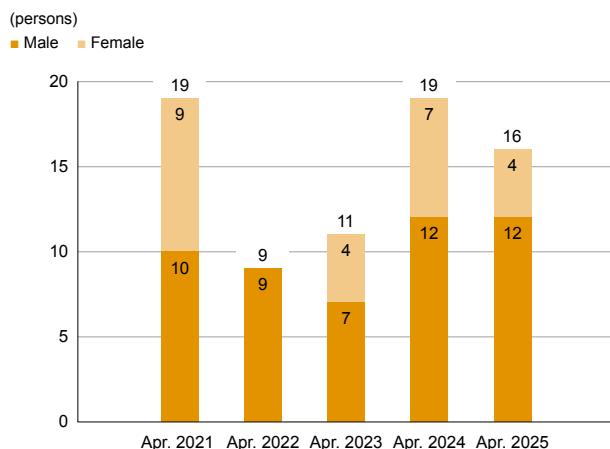
\* Non-consolidated

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



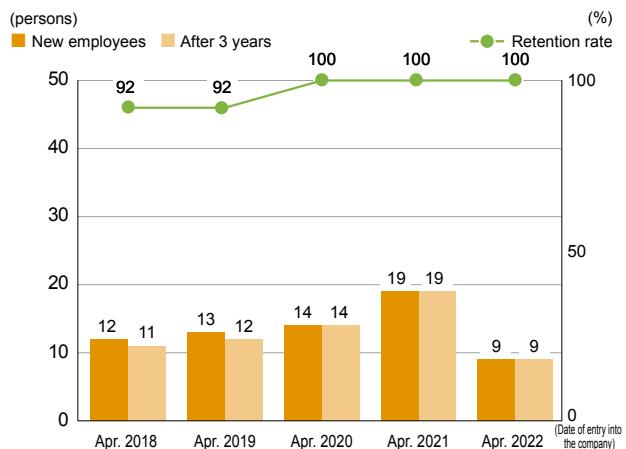
\* Regular full-time employees of Nihon Nohyaku (including those seconded from outside Nihon Nohyaku)  
 \* Data only for regular full-time and temporary full-time employees, and does not include contract employees.

## ● Number of new graduate employees



\* Non-consolidated

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



\* Non-consolidated

## ➤ Expansion of Human Rights Management

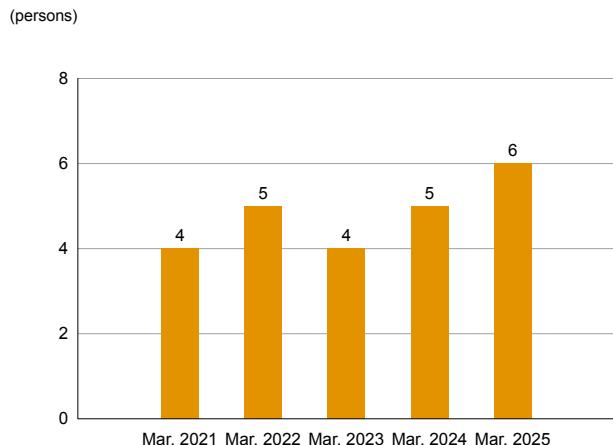
### ● Number of mid-career recruits and percentage of mid-career recruitment of full-time workers hired in the fiscal year



\* Non-consolidated

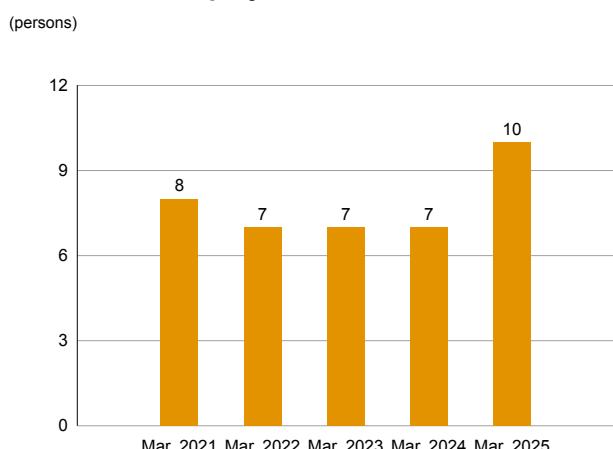
\* No new graduate were hired in March 2020 as the fiscal year was a six-month period (October 2019 to March 2020).

### ● Number of non-Japanese employees



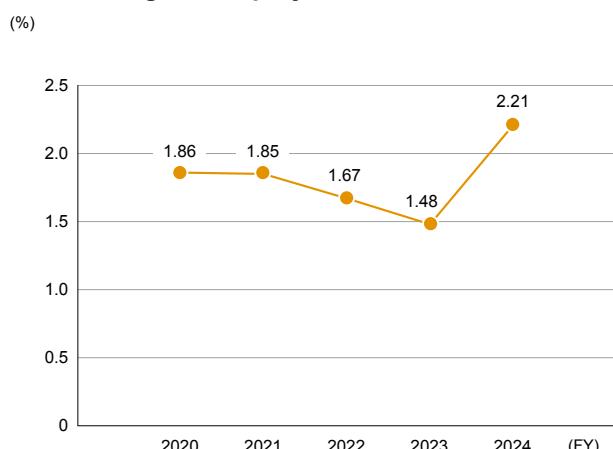
\* Non-consolidated (Enrolled employees = Including seconded employees)

### ● Number of employees with disabilities



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

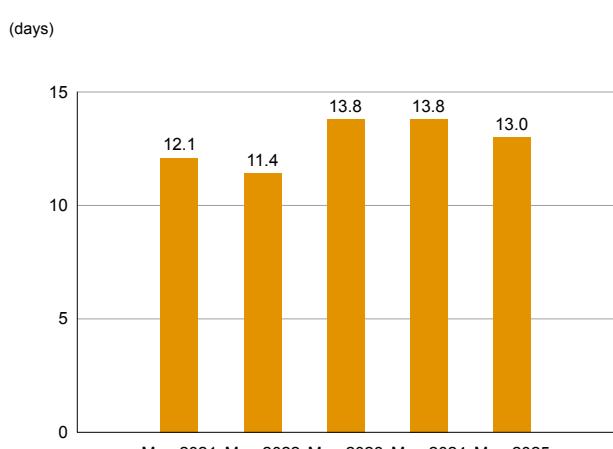
### ● Percentage of employees with disabilities



\* FY (April-March) figures

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

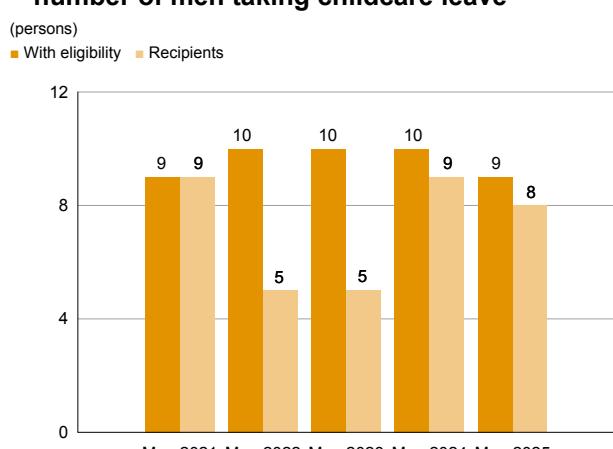
### ● Average paid leave days taken per year



\* FY2020 ~ FY2021 : Applies to regular fulltime and temporary fulltime employees, and does not include contract employees. FY2022 ~ FY2024 : Data for all employees, including contract employees.

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

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



\* Data for all employees, including contract employees.

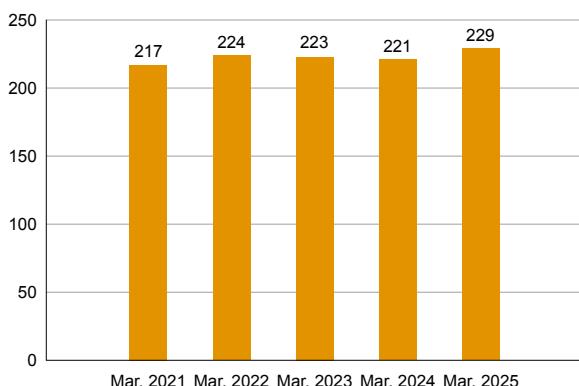
\* Non-consolidated (not including those who are seconded)

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

## Expansion of Human Rights Management

### ● Number of union members

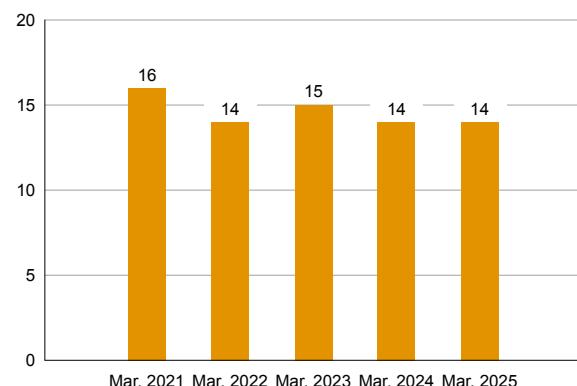
(persons)



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

### ● Number of labor-management council

(times)



\* Non-consolidated

### ● Starting salary

	Apr. 2021	Apr. 2022	Apr. 2023	Apr. 2024	Apr. 2025
Doctoral degree	261,400 yen	268,900 yen	275,900 yen	285,900 yen	299,234 yen
Master's degree	240,500 yen	243,000 yen	250,000 yen	260,000 yen	282,667 yen
Bachelor's degree	231,700 yen	234,200 yen	241,200 yen	251,200 yen	263,867 yen

\* Non-consolidated

### ● Prescribed working hours and prescribed working days

	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024	Mar. 2025
Prescribed working hours	1,847 hrs. 40 min.	1,847 hrs. 40 min.	1,855 hrs. 20 min.	1,847 hrs. 40 min.	1,840 hrs.
Prescribed working days	241 days	241 days	242 days	241 days	240 days

\* Non-consolidated

### ● Stress check participation rate

	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024	Mar. 2025
Stress check participation rate	97.2%	97.7%	99.1%	99.4%	99.2%

\* 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
74.3%	82.9%	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

## ➤ Expansion of Human Rights Management

### ● Health Issues and Performance Indicator Management

	Scope	Period	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024	Mar. 2025
Percentage of employees undergoing regular health checkups	Non-consolidated	April to March	100%	100%	100%	100%	100%
Percentage of employees with regular exercise habits <sup>*1*2</sup>	Non-consolidated	April to March	33.0%	28.3%	28.0%	32.3%	34.8%
Obesity rate (BMI 25 and above) <sup>*2</sup>	Non-consolidated	April to March	30.8%	29.7%	31.6%	32.3%	34.2%
Smoking rate <sup>*2</sup>	Non-consolidated	April to March	17.1%	16.2%	16.8%	16.9%	17.4%
Stress check participation rate	Non-consolidated	April to March	97.2%	97.7%	99.1%	99.4%	99.2%
Proportion of employees with high stress	Non-consolidated	April to March	6.4%	9.2%	9.5%	10.1%	10.5%
Annual total number of employees exceeding 45 hours of monthly overtime <sup>*3</sup>	Non-consolidated	April to March	145	66	34	32	34
Annual paid leave utilization rate	Non-consolidated	October to September <sup>*4</sup>	58.9%	64.7%	63.5%	65.6%	66.5%
Average years of service for full-time employees	Non-consolidated	April to March	16.4	15.0	15.4	15.0	14.9
Absenteeism	Non-consolidated	April to March	0.8%	1.7%	0.6%	1.9%	1.3%

<sup>\*1</sup> Percentage of employees with regular exercise habits: Includes those who exercise at least twice a week for 30 minutes or more each time

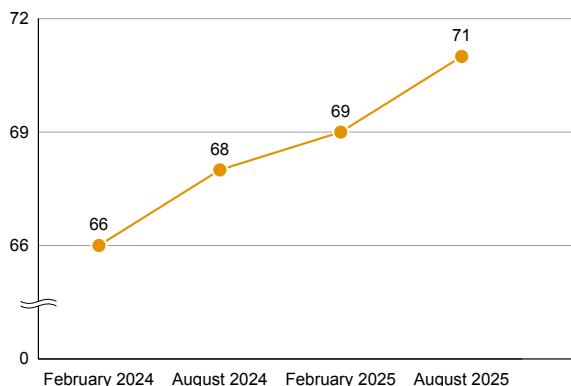
<sup>\*2</sup> Statistics for those aged 40 and over

<sup>\*3</sup> Includes managers. Calculated based on the statutory overtime threshold of 45 hours

<sup>\*4</sup> Calculated from October of the previous fiscal year to September of the current fiscal year

### ● Engagement score trend

(%)



## ➤ Enhancing the Safety Culture

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

#### ● Incident rate<sup>\*1</sup>

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

FY2020	FY2021	FY2022	FY2023	FY2024
0	0	0.03	0	9.85

#### ● Record of zero-occupational accidents (as of March 31, 2025) <sup>\*1</sup>

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

		Total No. of Days
Nihon Nohyaku	Research Center	276
	Fukushima Plant	4,081
Nichino Service	Kashima Plant	13,435
	Saga Plant	138

<sup>\*1</sup> 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. Aggregation period: April to March

#### ● Incident rate without workdays lost<sup>\*1</sup>

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

FY2020	FY2021	FY2022	FY2023	FY2024
0	1.24	4.09	1.62	1.30

#### ● Expenditures on safety and health (FY2024)<sup>\*2</sup>

Amount of money put towards improving employee health

	Total (thousand yen)
Vaccination and mental health	1,943
Industrial physician-related	7,944
Medical examination-related	21,246

<sup>\*2</sup> Scope of aggregation: Nihon Nohyaku and Nichino Service

## ➤ Enhancing the Safety Culture

### 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>.

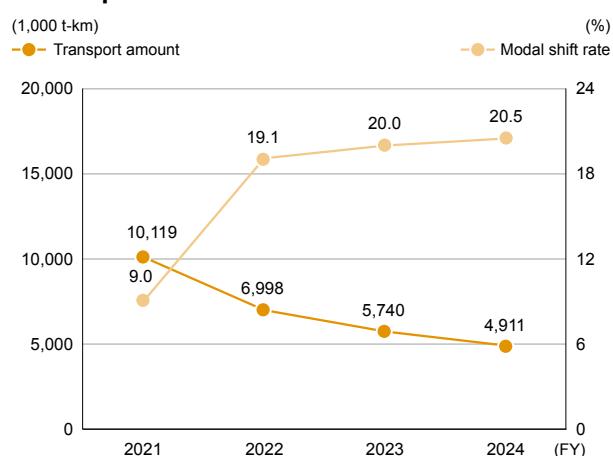
4) Not using highly hazardous substances during processing and manufacturing<sup>\*2</sup>.

\*1 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.

\*2 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

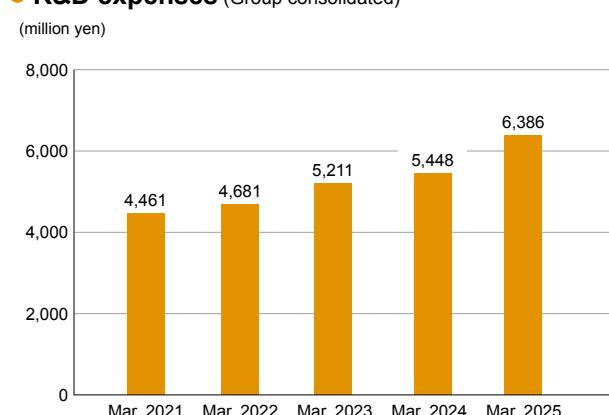


\* Aggregation period: April to March

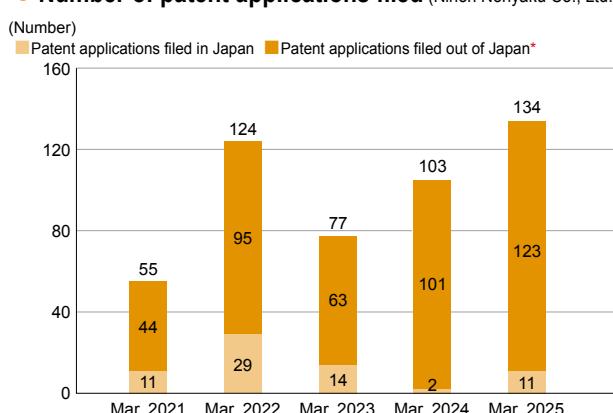
## ➤ Development of Technologies and Products that Meet Needs of Society

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

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



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



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

# ➤ Community Involvement

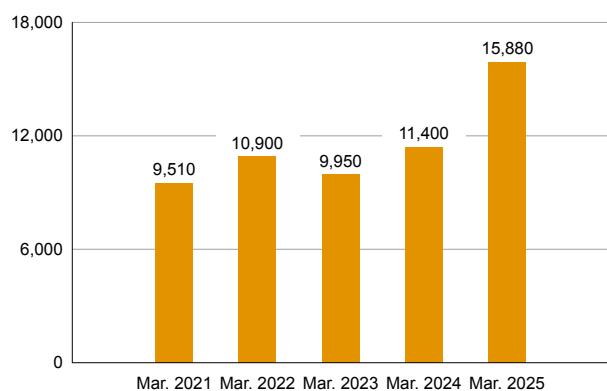
## Communication with Investors

### ● Communication with Investors

Content	Mar. 2021	Mar. 2022	Mar. 2023	Mar. 2024	Mar. 2025
Number of telephone conferences	40	69	113	86	83
Number of meetings with investors	2	2	13	6	2
Number of Earnings Conference attendees	48	99	111	71	102
Number of small meeting attendees	—	—	—	14	—
Number of participants in Research Center tours	—	—	—	10	10

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

(thousand yen)



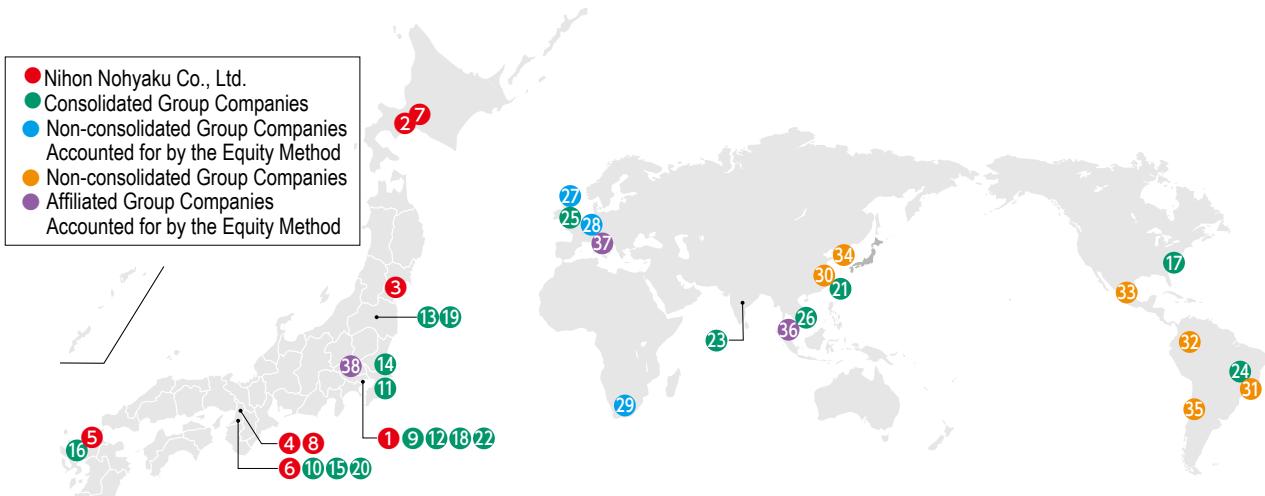
# ➤ Expansion of Compliance and Risk Management

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

	Mar. 2023	Mar. 2024	Mar. 2025
Number of compliance violations	14	13	11
Number of whistleblowing cases	1	0	0

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

# Company Overview and List of NICHINO Group Companies



## NIHON NOHYAKU CO., LTD.

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)	1,524 (as of March 31, 2025)
Main business	Manufacture, import, export, and sale of a variety of products including Crop protection products, Pharmaceuticals, Animal health products, Industrial chemicals, Wood preservatives, and Agricultural materials

As of June 18, 2025

Head Office and Branches	<ul style="list-style-type: none"> <li>① Head Office, Tokyo Branch (Chuo-ku, Tokyo)</li> <li>② Sapporo Branch (Sapporo-shi, Hokkaido)</li> <li>③ Sendai Branch (Sendai-shi, Miyagi)</li> <li>④ Osaka Branch (Osaka-shi, Osaka)</li> <li>⑤ Fukuoka Branch (Fukuoka-shi, Fukuoka)</li> <li>⑥ Osaka Office (Osaka-shi, Osaka)</li> <li>⑦ Naganuma Nursery (Yubari-gun, Hokkaido)</li> <li>⑧ Nichino Service Co., Ltd. (⑬ Fukushima Plant / ⑭ Kashima Plant / ⑯ Saga Plant)</li> </ul>
Research Facilities	
Research Farms	
Manufacturing Plant (outsource)	

## Consolidated Group Companies

⑨ 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
⑩ Western Japan Sales Branch		Minoh-shi, Osaka
⑪ Research & Training Center		Yotsukaido-shi, Chiba
⑫ Nichino Service Co., Ltd.	Manufacturing, storage, transport and sales of crop protection products, contracted manufacturing, cultivation and management of fields and real estate management	Chuo-ku, Tokyo
⑬ Fukushima Plant		Nihonmatsu-shi, Fukushima
⑭ Kashima Plant		Kamisu-shi, Ibaraki
⑮ Kawachinagano Center		Kawachinagano-shi, Osaka
⑯ Saga Plant		Miyaki-gun, Saga
⑰ Nichino America, Inc.	Sales, promotion, development, and registration of crop protection products in the U.S.A.	Wilmington, U.S.A.
⑱ Nihon Ecotech Co., Ltd.	Pesticide residue analysis and chemical substance safety testing	Chuo-ku, Tokyo
⑲ Fukushima Analytical Technology Center		Nihonmatsu-shi, Fukushima
⑳ Osaka Analytical Technology Center		Kawachinagano-shi, Osaka
㉑ Taiwan Nihon Nohyaku Co., Ltd.	Sales, promotion, development, and registration of crop protection products in Taiwan	Taipei, Taiwan
㉒ AgriMart Corporation	Sales of termite control materials and epidemic prevention insecticides	Chuo-ku, Tokyo
㉓ Nichino India Pvt. Ltd.	Manufacturing, sales, import and export, promotion, and development of crop protection products in India	Hyderabad, India
㉔ Sipcam Nichino Brasil S.A.	Manufacturing and sales of crop protection products in Brazil	Uberaba, Brazil
㉕ Nichino Europe Co., Ltd.	Sales, promotion, development, and registration of crop protection products in Europe	Cambridge, UK
㉖ Nichino Vietnam Co., Ltd.	Sales, promotion, and development of crop protection products in Vietnam	Ho Chi Minh, Vietnam

## Non-consolidated Group Companies Accounted for by the Equity Method

㉗ Interagro (UK) Ltd.	Sales and development of adjuvants and biostimulants in Europe and other regions	Cambridge, UK
㉘ Nichino Netherlands B.V. (*former Interagro Netherlands)		Utrecht, Netherlands
㉙ Nichino South Africa (Pty) Ltd.		Johannesburg, South Africa

## Non-consolidated Group Companies

㉚ Nichino Shanghai Co., Ltd.	Promotion of crop protection products in China	Shanghai, China
㉛ Nichino do Brasil Agroquímicos Ltda.	Development and registration of crop protection products in Brazil	Sao Paulo, Brazil
㉜ Nihon Nohyaku Andica S.A.S.	Sales, import and export, promotion, and development of crop protection products in the Andes and Central America	Bogota, Colombia
㉝ Nichino México S. de R.L. de C.V.	Sales, promotion, development, and registration of crop protection products in Mexico	Mexico City, Mexico
㉞ Nichino Korea Co., Ltd.	Sales, promotion, development, and registration of crop protection products in South Korea	Seoul, South Korea
㉟ Nichino Chile SpA	Sales, promotion, development, and registration of crop protection products in Chile	Santiago, Chile

## Affiliated Group Companies Accounted for by the Equity Method

㉟ Agricultural Chemicals (Malaysia) Sdn. Bhd.	Manufacturing and sales of crop protection products in Malaysia	Penang, Malaysia
㉟ Sipcam Europe S.p.A.	Manufacturing and sales of crop protection products in Europe	Milan, Italy
㉟ Tama Kagaku Kogyo Co., Ltd.	Contract manufacturing of active ingredients and raw materials for crop protection products, pharmaceutical ingredients 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:** 219

(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)	FY2022	FY2023	FY2024
Energy	Crude oil equivalent (kℓ)	2,006.7	1,786.8	1891.9
	Water (1,000 m <sup>3</sup> )	30.7	28.6	33.5
Atmospheric emissions	SOx (t)	0.0	0.0	0.0
	NOx (t)	0.0	0.0	1.4
Dust (t)	0.0	0.0	0.0	0.0
	CO <sub>2</sub> (t)	3,019.2	3,377.4	3,573.9
Waste	Amount (t)	192.7	210.2	191.9
	Final landfill (t)	94.0	94.4	89.0
Waste water	Volume (1,000 m <sup>3</sup> )	19.2	16.8	19.6
	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:** 52

(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)	FY2022	FY2023	FY2024
Products	Active ingredients / bulk powder (t)	1,843.3	443.2	605.1
	Crude oil equivalent (kℓ)	1,962.6	1,653.2	1,527.8
Energy	Water (1,000 m <sup>3</sup> )	220.2	192.0	91.1
	SOx (t)	0.1	0.1	0.1
Atmospheric emissions	NOx (t)	7.6	4.4	2.7
	Dust (t)	0.0	9.5	3.5
Waste	CO <sub>2</sub> (t)	3,018.9	2,508.0	1,513.2
	Amount (t)	6,029.8	3,181.6	553.1
Waste water	Final landfill (t)	3.5	78.6	70.8
	Volume (1,000 m <sup>3</sup> )	211.1	190.3	90.2
Waste water	COD (t)	3.0	2.3	1.2

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

## Nichino Service Co., Ltd. Fukushima Plant

**General Manager:** Shoichi Kokubu

(assumed the position in July 2025)

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

**Number of employees:** 104

(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)	FY2022	FY2023	FY2024
Products	Crop protection products (t)	5,352.0	5,126.0	4,816.0
	Crude oil equivalent (kℓ)	439.3	457.5	317.6
Energy	Water (1,000 m <sup>3</sup> )	8.3	6.9	7.4
	SOx (t)	0.3	0.0	0.2
Atmospheric emissions	NOx (t)	0.1	0.0	0.1
	Dust (t)	0.0	0.0	0.0
Waste	CO <sub>2</sub> (t)	894.1	805.0	559.7
	Amount (t)	394.2	430.3	436.8
Waste water	Final landfill (t)	1.5	0.0	1.3
	Volume (1,000 m <sup>3</sup> )	6.5	4.6	5.0
Waste water	COD (t)	0.0	0.0	0.0

## Information of Each Facility

### Nichino Service Co., Ltd. Saga Plant

**General Manager:** Toshiaki Shimizu

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

**Number of employees:** 94

**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)	FY2022	FY2023	FY2024
Products	Crop protection products(t)	5,377.3	4,162.9	3,427.7
	Crude oil equivalent (k <sup>t</sup> )	938.6	691.9	435.6
Energy	Water (1,000 m <sup>3</sup> )	12.6	10.8	10.4
	SOx (t)	0.1	0.0	0.0
Atmospheric emissions	NOx (t)	0.6	0.4	0.6
	Dust (t)	0.0	0.0	0.0
Waste	CO <sub>2</sub> (t)	1,549.3	1,474.3	549.3
	Amount (t)	629.4	427.8	323.3
Waste water	Final landfill (t)	0.0	0.0	0.0
	Volume (1,000 m <sup>3</sup> )	4.8	4.4	4.0
	COD (t)	0.0	12.1	14.5

### Nichino India Pvt. Ltd.

Content (unit)	FY2024			
	Balanagar	Pashamylaram	Humnabad	Jammu
Number of people (persons)	142	118	90	31
Land area (m <sup>2</sup> )	8,000	21,600	54,600	8,000
Production amount (t)	5,967.6	908.1	238.5	3,036.3
Energy consumption (crude oil equivalent k <sup>t</sup> ) *	119.7	2,675.5	1,829.4	152.3
Water consumption (1,000 m <sup>3</sup> )	3.0	19.7	22.1	2.0
Waste water volume (1,000 m <sup>3</sup> )	0.3	0.0	0.0	0.0
CO <sub>2</sub> emissions (t)	464.4	9,349.3	5,813.3	543.3

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



Balanagar



Pashamylaram



Humnabad



Jammu

### Sipcam Nichino Brasil S.A.



Content (unit)	FY2024
Number of people (persons)	190
Land area (m <sup>2</sup> )	254,000
Production amount (t)	23,200.3
Energy consumption (crude oil equivalent k <sup>t</sup> ) *	1,314.75
Water consumption (1,000 m <sup>3</sup> )	71.2
Waste water volume (1,000 m <sup>3</sup> )	1.1
CO <sub>2</sub> emissions (t)	681.4

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

# NIHON NOHYAKU CO., LTD.

**Head Office** 19-8, Kyobashi 1-Chome (Kyobashi OM Bldg.),  
Chuo-ku, Tokyo 104-8386, JAPAN

**Phone** +81-570-09-1177

**Website** <https://www.nichino.co.jp/en/index.html>



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