COMPANY PROFILE

NIHON NOHYAKU CO., LTD.
Contributing to the Underlying Strengths for a Stable Food Supply and Agriculture

In 1928, Nihon Nohyaku Co., Ltd. was established as Japan’s first company to specialize in agrochemicals. As a company that is dedicated to protecting food supply and greenery, Nihon Nohyaku puts research, development, and the widespread promotion of agrochemicals at the heart of its business activities. In fulfilling this integral role in society, we have continued to pursue technological innovation.

The world’s population is projected to increase rapidly and estimated to reach 9.7 billion by 2050. There are concerns that this population growth and a change in the structure of demand will cause the global supply and demand of crops to tighten. With the pressing need to lift the yield per unit area of agricultural produce that is of uniform quality, and to increase agricultural productivity in a bid to ensure long-term, stable supply, agrochemicals are expected to play an increasingly important role in identifying a solution.

Our mission is to help increase agricultural production in order to secure this long-term, stable supply. To this end, we continue to develop and provide agrochemicals that offer excellent efficacy, cost-performance, and safety in Japan and overseas. In working to strengthen our agrochemical discovery platform and business competitiveness by promoting growth strategies from a global perspective, we will contribute to the future of food and agriculture while actively engaging in CSR activities.

Corporate Philosophy

- We contribute to society by ensuring a safe and steady food supply and improving the quality of life for all.
- We fulfill market needs by creating superior values with innovative technologies.
- We commit to be a trustworthy company for all stakeholders through our fair and vigorous business activities.
To Become an Outstanding Globally Competitive Group

To become a group that can contribute to the future of humankind by further enhancing technological capabilities that have been cultivated through the agrochemical business.

To become a group that can contribute to society by supporting agricultural production, including the continuous introduction of new molecules & technologies.

Aiming to Attain Our Vision: The Basic Policies of Our Medium-Term Management Plan

Nichino Group will reinforce its business infrastructure in order to achieve its vision “Growing Global” while focusing on the two core pillars “Improving profitability” and “Pursuing group force & synergy.” In addition to achieving sales of ¥76.3 billion from existing businesses, we are targeting sales of ¥100 billion by implementing further aggressive plans in FY 2021.

Ensuring Growing Global 2021

Group KPI:
- Operating profit ¥4.7 Bil
- Sales ¥76.3 Bil

Further aggressive plans ¥100 Bil

Reinforcement of business infrastructure
- Improving profitability
- Pursuing group force & synergy

Global expansion up until now

* We changed the fiscal year from March 2020 (changed from October 1st to September 30th to April 1st to March 31st). As a result, the final year of the medium-term management plan has been changed from the fiscal year ending September 2021 to fiscal year ending March 2021, so the plan figures have been revised.
BUSINESS ACTIVITIES AND MAIN PRODUCTS

With an unwavering commitment to safety and quality, Nichino Group is mainly engaged in the research and development, manufacture and sale of agrochemicals. At the same time, we have expanded our activities into such wide-ranging fields as chemical products as well as pharmaceuticals and animal health products.

Main Products

With its cultivated research and development capabilities and trust as Japan’s first manufacturer of agrochemicals, Nihon Nohyaku has extended its operations beyond the shores of Japan to actively enter overseas markets. Taking into consideration the local environments and needs, we are working to spread the technological advisory of agrochemical use that are suitable for each community.

Insecticide

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Major Trade Name</th>
<th>Major Target Pests or Efficacy</th>
<th>Major Countries of Sales (outside of Japan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>flubendiamide</td>
<td>PHOENIX, TAKUMI, KATANA</td>
<td>Insecticide for horticulture and turf Lepidoptera pests</td>
<td>Egypt, India, Korea, Morocco, Tunisia, Turkey, Vietnam</td>
</tr>
<tr>
<td>buprofezin</td>
<td>APPLAUD, COURIER</td>
<td>Insecticide for paddy rice and horticulture Plant hoppers, Jassids, Scales, Mealybugs, Whiteflies, Bulb mites</td>
<td>Brazil, Egypt, Guatemala, India, U.S.A.</td>
</tr>
<tr>
<td>fenpyroximate</td>
<td>ORTUS, DANITRON</td>
<td>Insecticide and Acaricide for horticulture Spider mites, Scales</td>
<td>Brazil, Chile, Egypt, Mexico, Poland, Spain, Thailand, U.S.A.</td>
</tr>
<tr>
<td>tolfenpyrad</td>
<td>HACHI-HACHI, APTA, TORAC, BEXAR</td>
<td>Insecticide and Fungicide for horticulture Aphids, DBM, Green Caterpillars, Thrips, Whiteflies, Leafminers, Powdery mildew, Rust</td>
<td>Colombia, Dominica, India, Mexico, Peru, Taiwan, Thailand, U.S.A.</td>
</tr>
<tr>
<td>tebufenpyrad</td>
<td>PYRANICA</td>
<td>Insecticide(Miticide) and Fungicide for horticulture Spider mites, Aphids, Powdery mildew</td>
<td>Korea, Mexico, Spain, Thailand, Ukraine</td>
</tr>
<tr>
<td>pyrifluquinazon</td>
<td>COL T, RYCAR, PQZ</td>
<td>Insecticide for horticulture</td>
<td>Korea, Mexico, Spain, Thailand, Ukraine</td>
</tr>
<tr>
<td>pyflubumide</td>
<td>DANIKONG</td>
<td>Acaricide for horticulture</td>
<td>Jordan, Korea</td>
</tr>
</tbody>
</table>

Fungicide

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Major Trade Name</th>
<th>Major Target Pests or Efficacy</th>
<th>Major Countries of Sales (outside of Japan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>flutolanil</td>
<td>MONCUT, CONVOY</td>
<td>Fungicide for paddy rice and horticulture Sheath blight, White mold, Seedling blight, Root rot (caused by Rhizoctonia), Black scurf</td>
<td>Belgium, Brazil, Egypt, France, Germany, Mexico, Netherlands, U.K., U.S.A.</td>
</tr>
<tr>
<td>isoprothiolane</td>
<td>FUJI-ONE</td>
<td>Fungicide for paddy rice, PGR Rice Blast, Healthy seedling Growth, Improvement of grain ripening, Decrease in white immature grains, Rooting Facilitation</td>
<td>China, Colombia, Egypt, India, Peru, Vietnam</td>
</tr>
<tr>
<td>tiadinil</td>
<td>V-GET</td>
<td>Fungicide for paddy rice [SAR] Rice Blast, Bacterial disease</td>
<td>Korea</td>
</tr>
<tr>
<td>fenoxanil</td>
<td>ACHI-BU, KATANA, HELMET</td>
<td>Fungicide for paddy rice</td>
<td>Korea, Taiwan, Vietnam</td>
</tr>
<tr>
<td>pyraziflumid</td>
<td>PARADE</td>
<td>Fungicide for horticulture Broad spectrum fungicide for vegetables, fruits, and turf</td>
<td>Korea</td>
</tr>
</tbody>
</table>

Herbicide

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Major Trade Name</th>
<th>Major Target Pests or Efficacy</th>
<th>Major Countries of Sales (outside of Japan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pyraflufen-ethyl</td>
<td>ECOPART, THUNDERBOLT, ET, KABUKI</td>
<td>Herbicide for wheat and turf, Defoliant for cotton, Potato desiccant, NSW Broad leaf weeds, Cotton, Potato</td>
<td>Argentina, Australia, Canada, Egypt, France, Germany, Italy, Netherlands, South Africa, U.K., U.S.A.</td>
</tr>
<tr>
<td>orthosulfamuron</td>
<td>KELION, SPRINT</td>
<td>Herbicide for paddy rice, sugar cane ripening Broad leaf weeds</td>
<td>Brazil, Korea, Pakistan, U.S.A.</td>
</tr>
</tbody>
</table>

Chemical Products

In our chemical products business, we handle a wide range of products including those for use in home gardening, greenery, and termite control.

Pharmaceuticals and Animal Health Products

In Japan and overseas, we are operating business of topical anti-fungal agents (drugs for athlete’s foot), which were derived from our agrochemical fungicide research.

Others

Nihon Nohyaku is also active in a variety of fields including landscape work, agrochemical residue analysis, and real estate rental.
R&D CAPABILITIES THAT CREATE NEW VALUE

We are continuing to develop new agrochemicals that are attuned to the needs of the ages from a global perspective in order to contribute to the sustainable supply of an abundance of food and to protect the environment. On an ongoing basis, we are aiming to invest approximately 10% of net sales in R&D to serve as a driving force and to launch new active ingredients at a rate of “one agent every three years.”

Role of the Research Center
In order to strengthen the structure and function of R&D, we integrated facilities that had independently conducted research work in each of the chemistry, biology, toxicology, and pharmaceutical fields, into the Research Center in 1995. Researchers collaborate strategically outside of their respective research fields with each other and are engaged in the discovery of novel active ingredients and the development of new products.

Disclosure of Biological Characteristics
- Discovery of Biological Characteristics
- Study on modes of action
- Pursuit of business opportunities other than agrochemicals

Assurance of Toxicology Research Field
- Toxicology studies
- Environmental fate and toxicology studies with risk assessment
- Development of new technology for potential risk prediction


Collaboration

Discovery Biology Research Field
Our aim is to discover new compounds through flexible targeting that meets global market conditions and changes as well as the unique evaluation system that can detect variable biological characteristics. We are also working to maximize sales and extend the lives of existing products through the development of new mixtures and applications.
- Investigation of biological characteristics
- Study on modes of action
- Pursuit of business opportunities other than agrochemicals

Invention Chemistry Research Field
To find attractive compounds that have new chemical structures and novel biological performances, we are working to introduce new technologies such as computational science and to broadly develop them. Also, we focus on process chemistry aimed at reducing the cost of goods.
- Synthesis of new compounds
- Discovery and improvements to the manufacturing process
- Pursuit of ways to reduce the cost of active ingredients

Assurance Toxicology Research Field
We are pursuing the safety of new agrochemicals not only for humans and animals, but also for the total environment as well as global registrability from multilateral perspectives. Considerable efforts have continuously been made to establish a new evaluation system to reduce the period and resource for the phase, which can also contribute to animal welfare.

Promoting Responsible Care Activities
A signatory to the Responsible Care Global Charter, the Company is a member of the Responsible Care Committee of the Japan Chemical Industry Association. We work diligently to create products that boast outstanding safety, while considering continuous improvement in safety, health and environmental performance.

OUR RESPONSIBILITY

Delivering High-Quality Products
At a time of growing interest in food safety and environmental conservation, as a company that handles agrochemicals, we are working to optimally manage the entire supply chain-including production, quality control and distribution-while delivering products that can be safely utilized to our customers.

Production
We provide products to markets in Japan and overseas. Our production platform is centered on two formulation plants and one technical grade manufacturing plant that boast the technologies and equipment capable of addressing a wide range of needs.

Quality Control
Working groups take the lead in considering every aspect of quality control. Through our comprehensive management system, we work to maintain and improve the quality of our products.

Distribution
We provide reliable, high-quality products through the latest distribution system across a network that spans the length and breadth of Japan. In this manner, we have put in place a safe, reliable, and fast delivery system.

Customers

Acquiring Certifications
Nichino Service Co., Ltd., which undertakes both manufacturing and distribution functions, has acquired ISO 9001, ISO 14001 and OHSAS 18001 certifications. Underpinned by such management systems, the company is advancing the quality control, environmental protection and occupational health.

For Safe Management of Products and Their Raw Materials
To prevent occupational accidents and to support the safe handling of chemicals, not only of final products but also of materials and intermediates, Nihon Nohyaku has prepared and provided internally and externally approximately 700 safety data sheets (SDS) for those chemicals that require risk assessment.

Promoting Responsible Care Activities
A signatory to the Responsible Care Global Charter, the Company is a member of the Responsible Care Committee of the Japan Chemical Industry Association. We work diligently to create products that boast outstanding safety, while considering continuous improvement in safety, health and environmental performance.

Nihon Nohyaku Co., Ltd. COMPANY PROFILE
Nihon Nohyaku is actively engaged in the development and promotion of agrochemical products. While upgrading and expanding our three core bases in Asia, the Americas, and Europe, we have acquired the registration of our agrochemical products in more than 100 countries and regions worldwide.

**Domestic base**
- Osaka Office
- Research Center
- Tokai-Hokuriku Sales Office / Osaka Branch
- Fukuoka Branch
- Nichino Service Saga Plant

**Overseas group company**
- Nihon Nohyaku Andica S.A.S.
  - Bogotá, Colombia
- Nichino do Brasil Agroquímicos Ltda.
  - São Paulo, Brazil

**Overseas investing company**
- Nichino America, Inc.
  - Wilmington, U.S.A.

**Satellite office**
- Head Office / Tokyo Branch
- Sendai Branch
- Nichino Service Fukushima Plant
- Nichino Service Kashima Plant
- Sapporo Branch
- Naganuma Nursery

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**HISTORY**

- **1928**: Nihon Nohyaku was established
- **1930**: Opened Kawachi Disease and Insect Research Farm
- **1934**: Constructed Tsukuda Plant (current Osaka Office)
- **1930**: Opened Kyushu Business Office (current Fukuoka Branch)
- **1934**: Established Nichino Ryokka Co., Ltd.
- **1949**: Opened Sapporo Branch
- **1956**: Constructed Chemical Research Center
- **1959**: Relocated Head Office from Osaka to Tokyo
- **1974**: Established Nichino Ryokka Co., Ltd.
- **1975**: Launched isoprothiolane (fungicide)
- **1984**: Launched buprofezin (insecticide)
- **1985**: Launched flutolanil (fungicide)
- **1989**: Established Japan House Tech Co., Ltd. (current Nichino Service Co., Ltd.)
- **1990**: Established Nihon Ecotech Co., Ltd.
- **1991**: Launched fenpyroximate (miticide)
- **1992**: Opened London Office
- **1994**: Launched lanoconazole (pharmaceutical)
Overseas Sales Ratio (Consolidated) 56.1%
Proactively advancing overseas development and expanding sales

Ratio of R&D Expenses to Net Sales (Non-consolidated) 11.8%
Maintaining high ratio within industry, strengthening R&D capabilities

Number of Employees (Consolidated) 1,472
655 employees in Japan and 817 employees overseas who play active roles on the global stage

Ratio of Female Employees in Management Positions (Non-consolidated) 7.1%
Encouraging to target over 10% in the near future

(As of September 2019)
**CORPORATE DATA**  
(As of December 2019)

**Company Name**  
Nihon Nohyaku Co., Ltd.

**Head Office**  
19-8, Kyobashi 1-Chome,  
Chuo-ku, Tokyo 104-8386  
Tel: +81-3-6361-1400

**Founded**  
November 17, 1928

**Capital**  
14,939 million yen

**Main Business**  
Manufacture, import, export, and sale of a variety of products including agrochemicals, pharmaceuticals, veterinary pharmaceuticals, industrial chemicals, wood preservatives, and agricultural materials

**Organization**

<table>
<thead>
<tr>
<th>Management Committee</th>
<th>Corporate Planning Division</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Internal Control &amp; Audit Dept.</td>
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<tr>
<td></td>
<td>Corporate Planning Dept.</td>
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<td></td>
<td>Administration Division</td>
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<td></td>
<td>General Affairs &amp; Legal Dept.</td>
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<td>Human Resources Dept.</td>
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<td>Accounting Dept.</td>
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<td>Market Development Division</td>
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<td></td>
<td>Development Dept.</td>
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<tr>
<td></td>
<td>Regulatory Affairs Dept.</td>
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<td></td>
<td>Research Planning Dept.</td>
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<td></td>
<td>Research Division</td>
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<tr>
<td></td>
<td>Research Center</td>
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<tr>
<td></td>
<td>Production Division</td>
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<tr>
<td></td>
<td>Manufacturing Technology Research Center</td>
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<tr>
<td></td>
<td>Technology Management Dept.</td>
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<tr>
<td></td>
<td>E&amp;M Dept.</td>
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<tr>
<td></td>
<td>Industrial &amp; Pharmaceuticals Sales Division</td>
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<tr>
<td></td>
<td>Industrial (TGAs) Sales Dept.</td>
</tr>
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<td></td>
<td>Pharmaceuticals Dept.</td>
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<td></td>
<td>Domestic Sales Division</td>
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<td></td>
<td>Technical Service &amp; Promotion Dept.</td>
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<tr>
<td></td>
<td>Sales Dept.</td>
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<tr>
<td></td>
<td>Sales Dept., EAME &amp; Americas</td>
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<tr>
<td></td>
<td>Osaka Branch</td>
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<tr>
<td></td>
<td>Fukuoka Branch</td>
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<td></td>
<td>Overseas Division</td>
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<tr>
<td></td>
<td>Sales Dept., Asia</td>
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<td></td>
<td>Environment Safety Dept.</td>
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<td></td>
<td>Osaka Office</td>
</tr>
</tbody>
</table>

**Board of Directors and Corporate Auditors**

<table>
<thead>
<tr>
<th>Representative Director, President</th>
<th>Yosuke Tomoi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Representative Director, Senior Managing Executive Officer</td>
<td>Koji Shishido</td>
</tr>
<tr>
<td>Director</td>
<td>Hirofumi Tomita</td>
</tr>
<tr>
<td>Director, Senior Executive Officer</td>
<td>Hiroshi Yano, Yoshaki Higashino, Hiroshi Yamamoto, Hideo Yamamoto, Hiroki Iwata</td>
</tr>
<tr>
<td>Director</td>
<td>Akio Kohri</td>
</tr>
<tr>
<td>Director (Outside)</td>
<td>Yasunori Matsumi, Iwao Toigawa</td>
</tr>
<tr>
<td>Audit &amp; Supervisory Board Member</td>
<td>Haruhiko Tomiyasu</td>
</tr>
<tr>
<td>Audit &amp; Supervisory Board Member (Outside)</td>
<td>Chizuko Nakata</td>
</tr>
<tr>
<td>Senior Executive Officers</td>
<td>Jeffrey R. Johnson, Gakuo Fukutomi</td>
</tr>
<tr>
<td>Executive Officers</td>
<td>Shirou Takahashi, Tetsuyoshi Nishimatsu</td>
</tr>
<tr>
<td></td>
<td>Kazuhiro Motoba, Manabu Katsurada</td>
</tr>
<tr>
<td></td>
<td>Kozo Machiya, Junjiro Inoshita</td>
</tr>
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</table>

**Business Offices**

<table>
<thead>
<tr>
<th>Head Office</th>
<th>Sapporo Branch</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Sendai Branch</td>
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<tr>
<td></td>
<td>Tokyo Branch</td>
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<tr>
<td></td>
<td>Tokai-Hokuriku Sales Office / Osaka Branch</td>
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<tr>
<td></td>
<td>Fukuoka Branch</td>
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<td></td>
<td>Research Center</td>
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<tr>
<td></td>
<td>Naganuma Nursery</td>
</tr>
<tr>
<td></td>
<td>Osaka Office</td>
</tr>
</tbody>
</table>

**Main Group Companies**

**Companies in Japan**

Nichino Ryokka Co., Ltd.  
Nichino Service Co., Ltd.  
Nihon Ecotech Co., Ltd.  
AgriMart Corporation

**Overseas Companies**

Nichino America, Inc.  
Nichino Europe Co., Ltd.  
Taiwan Nihon Nohyaku Co., Ltd.  
Nichino Shanghai Co., Ltd.  
Nichino do Brasil Agroquimicos Ltda.  
Nichino India Pvt. Ltd.  
Sipcam Nichino Brasil S.A.  
Nichino Vietnam Co., Ltd.  
Nihon Nohyaku Andica S.A.S.

For addresses and contact details, please visit our website.


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