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 9.8 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.
Nichino Group — *Growing Global*

To Be 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 ¥80 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: ¥6 Bil
  - Sales: ¥80 Bil

- **Further aggressive plans:** ¥100 Bil

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

Global expansion up until now
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.

**HISTORY**

1928  
Nihon Nohyaku was established

1930  
Opened Kawachi Disease and Insect Research Farm

1934  
Constructed Tsukuda Plant (current Osaka Office)  
Opened Kyushu Business Office (current Fukuoka Branch)

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Opened Kawachi Disease and Insect Research Farm

1934  
Constructed Tsukuda Plant (current Osaka Office)  
Opened Kyushu Business Office (current Fukuoka Branch)

1956  
Constructed Chemical Research Center

1959  
Relocated Head Office from Osaka to Tokyo

1969  
Established Agricultural Chemicals (Malaysia) Sdn. Bhd.

1974  
Established Nichino Ryokka Co., Ltd.

1975  
Launched isoprothiolane (fungicide)

1984  
Launched buprofezin (insecticide)

1985  
Launched flutolanil (fungicide)  
Launched malotilate (pharmaceutical)

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)

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Overseas Sales Ratio (Consolidated)  
55.2%  
Proactively advancing overseas development and expanding sales

Ratio of R&D Expenses to Net Sales (Non-consolidated)  
11.9%  
Maintaining high ratio within industry, strengthening R&D capabilities

Number of Employees (Consolidated)  
1,443  
670 employees in Japan and 773 employees overseas who play active roles on the global stage

Ratio of Female Employees in Management Positions (Non-consolidated)  
7.2%  
Encouraging to target over 10% in the near future

(As of September 2018)
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.

### Business Activities and 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.

#### Main Products

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### 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</th>
</tr>
</thead>
<tbody>
<tr>
<td>flubendiamide</td>
<td>PHOENIX, TAKUMI, KATANA</td>
<td>Insecticide for horticulture and turf</td>
<td>India, Vietnam, Korea</td>
</tr>
<tr>
<td>buprofezin</td>
<td>APPLAUD, COURIER</td>
<td>Insecticide for paddy rice and turf</td>
<td>U.S.A., Brazil, Guatemala</td>
</tr>
<tr>
<td>fenpyroximate</td>
<td>ORTUS, DANITRON</td>
<td>Insecticide and Acaricide for horticulture</td>
<td>U.S.A., U.K., Spain</td>
</tr>
<tr>
<td>tolfenpyrad</td>
<td>HACHI-HACHI, APTA, TORAC, BEXAR</td>
<td>Insecticide and Fungicide for horticulture</td>
<td>U.S.A., India, Taiwan</td>
</tr>
<tr>
<td>tebufenpyrad</td>
<td>PYRANICA</td>
<td>Insecticide (Miticide) and Fungicide for horticulture</td>
<td>Korea, U.S.A.</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</th>
</tr>
</thead>
<tbody>
<tr>
<td>flutolanil</td>
<td>MONCUT, CONVOY</td>
<td>Fungicide for paddy rice and horticulture</td>
<td>U.S.A., U.K., Mexico</td>
</tr>
<tr>
<td>iso-prothiolane</td>
<td>FUJI-ONE</td>
<td>Fungicide for paddy rice, PGR</td>
<td>China, Vietnam, India</td>
</tr>
<tr>
<td>tiadinil</td>
<td>V-GET</td>
<td>Fungicide for paddy rice (SAR)</td>
<td>Korea</td>
</tr>
<tr>
<td>fenoxanil</td>
<td>ACHI-BU, KATANA, HELMET</td>
<td>Fungicide for paddy rice</td>
<td>Vietnam, Korea, Taiwan</td>
</tr>
<tr>
<td>pyraziflumid</td>
<td>PARADE</td>
<td>Fungicide for horticulture</td>
<td>Japan (newly launched product)</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</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>U.S.A., U.K., Australia</td>
</tr>
<tr>
<td>orthosulfamuron</td>
<td>KELION</td>
<td>Herbicide for paddy rice, sugar cane ripening</td>
<td>Brazil, Pakistan, Korea</td>
</tr>
</tbody>
</table>

We handle a wide range of products including those for use in home gardening, greenery, and termite control.

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.

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.

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.

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.
**CORPORATE DATA** (As of December 2018)

**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, quasi-drugs, industrial chemicals, wood preservatives, and agricultural materials

**Board of Directors and Corporate Auditors**

- **Representative Director, President**  
  Yosuke Tomoi
- **Representative Director, Senior Managing Executive Officer**  
  Koji Shishido
- **Managing Executive Officer**  
  Hirofumi Tomita
- **Senior Executive Officer**  
  Hiroshi Yano
  Yoshiaki Higashino
  Hiroshi Yamanoi
  Hideo Yamamoto
  Hiroyuki Iwata
- **Director**  
  Akio Kohri
- **Director (Outside)**  
  Yasunori Matsui
  Iwao Toigawa
- **Audit & Supervisory Board Member**  
  Haruhiko Tomyayasu
- **Audit & Supervisory Board Member (Outside)**  
  Chizuko Nakata
- **General Meeting of Shareholders**  
  Board of Directors
  Board of Corporate Auditors
  Management Committee
  President

**Senior Executive Officers**

- **Jeffrey R. Johnson**  
  Gakuo Fukutomi  
  Junjiro Inoshita
- **Kazuhiko Motoba**  
  Manabu Katsurada

**Organizations**

- **Corporate Planning Division**  
  Corporate Planning Dept.
  Affiliate Administration Dept.
- **Administration Division**  
  Human Resources Dept.
  Accounting Dept.
- **Market Development Division**  
  Marketing Dept.
  Development Dept.
  Regulatory Affairs Dept.
- **Research Division**  
  Research Planning Dept.
  Research Center
- **Production Division**  
  Manufacturing Technology Research Center
  ECO Dept.
- **Domestic Sales Division**  
  Technical Service & Promotion Dept.
  Sales Dept. 1
  Sales Dept. 2
  Strategic Planning & Administration Dept.
  Sales Dept., EAME & Americas
  Sales Dept., Asia
  Pharmaceutical Dept.
  Environment Safety Dept.
  Osaka Office
- **Overseas Division**  
  Sapporo Branch
  Sendai Branch
  Tokyo Branch
  Tokai-Hokuriku Sales Office
  Osaka Branch
  Fukuoka Branch
  Naganuma Nursery

**Business Offices**

- **Head Office**
- **Sapporo Branch**
- **Sendai Branch**
- **Tokyo Branch**
- **Tokai-Hokuriku Sales Office / Osaka Branch**
- **Fukuoka Branch**
- **Osaka Office**
- **Research Center**
- **Naganuma Nursery**

**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.
- Nichino Chemical 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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