Proposal of the Strategy for Sustainable Food Systems, MIDORI (Innovation that will enhance potential and ensure sustainability in a harmonious manner)

FY2023

Net sales

161.0

billion ven

FY2023

Overseas sales

97.0

billion yen

In the course of the more than 70 years since its foundation in 1949, KUMIAI CHEMICAL INDUSTRY (Kumiai) has pursued research, manufacturing, and sales of agricultural chemicals. We will proactively develop our business from the perspectives of Japan and other countries in order to help with the stable production of food worldwide and environmental conservation.

Issue of residual organic mercury pesticides

(Transition to low-residue pesticides)

Declining rate of food self-sufficiency

Herbicide resistant weeds become an issue

Issue of residual pesticides shortage of successors

Declining domestic population

Aging of farmers and severe World population explosion and concerns about food shortages

Eliminating the back-

breaking toil of weeding

Foundation to Development of Domestic Agricultural Chemicals (1949 to 1968)

After WWII, the low productivity of farming became an issue. Therefore, we began to manufacture and sell agricultural chemicals to help resolve food insecurity. We established ourselves as an agricultural chemical manufacturer in Japan such as by launching the first domestically produced agricultural chemical fungicide ASOZIN in 1959 and KITAZIN® in 1965.

Leaping Forward to Become the Top Manufacturer of Agricultural Chemicals in Japan (1969 to 1989)

Rice overproduction and

acreage reduction policy

During the period of rapid economic growth in Japan, the agricultural workforce rapidly declined due to changes in the industrial structure, which increased the need for labor-saving in agriculture. Kumiai developed the herbicide SATURN®, which was used in 50.4% of the paddy fields in Japan in 1974, becoming the first major product to support the growth and foundation of our company. However, owing to the policy of reducing the amount of land devoted to rice cultivation and the sharp appreciation of the yen, Kumiai's performance remained sluggish after peaking in 1981.

Growing demand for agricultural

chemicals forfruits and vegetables

Becoming a Global Research and Development Oriented Company (1990 to 2016)

While the agricultural chemicals market in Japan become sluggish, stable food supply became a serious issue as the global population exploded. Our early efforts in research and development of products for the global market bore fruit in the 1990s with significant sales growth in the U.S. and Southeast Asia. In 2011, the field crop herbicide AXEEV® was launched and continues to drive Kumiai's growth.

Becoming a Cutting-Edge Chemical Manufacturer (2017 to Present)

We integrated business with Ihara Chemical Industry in 2017 in order to create new value. We have strengthened our organization for the agricultural chemicals business that manages everything from chemical discovery, manufacturing and sales together with the fine chemicals business. By utilizing technologies, we will continue to promote the development of products that meet new customer needs, and accelerate new initiatives for realizing a sustainable society.

(Billions of yen)

180

120

1949 Established as Ihara Agrochemical Co., Ltd.

1959 Launch of the first domestically produced fungicide for paddy rice ASOZIN (active ingredient name: MAS)



Kikugawa Experimental Farm opened

1962 Kogota Factory and Tatsuno Factory completed

1965 Ihara Chemical Industry Co., Ltd. established

1967 Launch of fungicide for paddy rice KITAZIN® P

(active ingredient name: IBP)

Current IHARABRAS S.A. INDUSTRIAS QUIMICAS established (Brazil)

ingredient name: Thiobencarb)

1980 K-I CHEMICAL RESEACH INSTITUTE CO., LTD. established (current Chemical Research Institute, New Molecule

1969 Launch of herbicide for paddy rice SATURN® (active

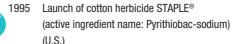


1978 K-I CHEMICAL U.S.A. INC. established

Research Center)

Entered a period of sluggish performance after peaking in 1981

1994 Launch of plant growth regulator VIVIFUL® (active ingredient name: Prohexadione-calcium)



Launch of herbicide for paddy rice NOMINEE® (active ingredient name: Bispyribac-sodium) (the Philippines)

Mississippi Research Station opened

2003 Launch of microbial pesticide EC0H0PE® (active ingredient name: Trichoderma atroviride)



2011 Launch of field crop herbicide AXEEV® (active ingredient name: Pyroxasulfone)



2016 Iharanikkei Chemical (Thailand) Co., Ltd. established

2017 Business integration with Ihara Chemical Industry Co.,Ltd.

2018 Launch of herbicide for paddy rice EFFEEDA® (active ingredient name: Fenguinotrione)

2019 Acquisition of herbicide for paddy rice bensulfuron-methyl business in Asia Pacific region excluding China

2020 Launch of fungicide for paddy rice DISARTA® (active ingredient name: Dichlobentiazox)

2021 Acquisition of Asiatic Agricultural Industries Pte. Ltd. (AAI) shares

2022 Acquisition of Agricore Corporation shares

2023 Establishment of the new Chemical Research Institute



Acquisition of GRA INC. shares

Net sales

Overseas sales

Note: The launch of each product is indicated based on the time of agricultural chemical registration.



1994-1996 Launch of a stream of products for overseas Launch of AXEEV®

1949 1969 1981 1995 2011 2017 2023 (Year)

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