History of KUMIAI CHEMICAL INDUSTRY

KUMIAI CHEMICAL INDUSTRY (Kumiai) was established in 1949, and we celebrated our 70th anniversary in 2019. 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 preservation.

Declining rate of food ocial/agricultural Issue of residual organic self-sufficiency mercury pesticides Eliminating (Conversion to low-Rice overproduction and Growing demand for agricultural chemicals acreage reduction policy weeding by hand residue pesticides) for horticulture (fruits and vegetables) **Establishment to Development of Domestic** Leaping Forward to Become the Top Agricultural Chemicals (1949 to 1969) Manufacturer of Agricultural Chemicals in Japan (1969 to 1989) After WWII, the low production ability of agricultural During the period of rapid economic growth in Japan, the farming became an issue. Therefore, we began to Changes with Kumiai formulate and sell agricultural chemicals to help population of agricultural workforce rapidly declined due resolve food insecurity. We established ourselves to changes in the industrial structure, which increased the as an agricultural chemical manufacturer in Japan need to save farm labor. Kumiai developed the herbicide such as by developing the first domestically SATURN®, which was used in 50.4% of the paddy fields in produced agricultural chemical fungicide, ASOZIN Japan in 1974, becoming the first major product to in 1959 and KITAZIN® in 1965. support the growth and foundation of our company. (billion ven) 150 -1969 Development of herbicide for paddy -1949 Established as Ihara Agrochemical Co., Ltd.-rice SATURN® (active ingredient name: Thiobencarb) 1959 Development of the first domestically produced fungicide for paddy rice, ASOZIN (active ingredient name: MAS) -1978 K-I CHEMICAL U.S.A. INC. established 1980 K-I CHEMICAL RESEACH INSTITUTE CO.,LTD. established (current Chemical 1961 Kikugawa Experimental Farm opened Research Institute, New Molecule Research Center) 1962 Kogota Factory and Tatsuno Factory completed 1965 Ihara Chemical Industry Co., Ltd. established Current IHARABRAS S.A. INDUSTRIAS QUIMICAS established (Brazil) 1967 Development of fungicide for paddy rice KITAZIN® P (active ingredient name: IBP) **Net Sales**

population

Proposal of the Strategy for Sustainable Food Systems, MeaDRI (Innovation

that will enhance potentials and ensure sustainability in a compatible manner)

Herbicide resistant weeds Issue of residual become an issue nesticides

Oriented Company (1989 to 2017)

Southeast Asia.

Aging of farmers and serious shortage of successors

World population explosion and concerns about food shortages

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

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

FY2022 Net Sales

145.3 billion yen

1994 Development of plant growth regulator VIVIFUI (active ingredient name: Prohexadione-calcium)

the 1990s with significant sales growth in U.S. and

Becoming Global Research and Development

While the agricultural chemicals market in Japan become

sluggish, stable food supply became a serious issue as the

development of products for the global market bore fruit in

global population exploded. Our early efforts in research and

1995 Development of cotton herbicide STAPLE® (active ingredient name: Pyrithiobac-sodium) (U.S.)

1996 Development of herbicide for paddy rice NOMINEE® (active ingredient name: Bispyribac-sodium) (the Philippines)

2017 Business merger with



2018 Development 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 Development of fungicide for paddy rice DISARTA® (active ingredient name Dichlobentiazox)

2021 Acquisition of Asiatic Agricultural Industries Pte. Ltd. shares

2022 Acquisition of Agricore Corporation shares

1996 Mississippi Research Station opened

2003 Development of microbial pesticide ECOHOPE (active ingredient name: Trichoderma atroviride)

2011 Development of field crop and turf herbicide AXEEV® (active ingredient name: Pyroxasulfone) (Australia)



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

1949 2017 2022

1969 1994

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