Opportunity List

Opportunity Assessment Results for Direct Operations (Domestic Manufacturing Sites) and Downstream Agricultural Fields

Opportunity Classification	Opportunity Details	Relevance to Nature	Financial Impact	Assessment		Key Countermeasures
				TNFD #1	TNFD #3	
Products and Services Market Technological Innovation	1. Enhanced competitiveness and improved financing environment through GHG reduction and resource efficiency	Manufacturing: Contribution to climate change mitigation through GHG emissions reduction and reduced environmental impact of packaging materials	Increased sales of low-carbon products, improved access to green finance, optimized packaging costs	High	Medium	・Enhancement of competitiveness through resource efficiency and GHG reduction ・Development and market deployment of low-carbon products ・Promotion of GHG emissions reduction across the entire lifecycle ・Promotion of a shift to biomass ink for packaging materials (TNFD#1 only) ・Research and development initiatives for manufacturing technologies to reduce GHG emissions
	2. Expansion of the IPM/smart agriculture solutions market	Downstream: Reduced impacts on soil, water quality, and biodiversity through IPM promotion, and minimized environmental impacts via precision application in smart agriculture	Increased sales of eco-harmonized products, expanded markets for soil improvement materials and microbial pesticides, digital service revenue	High	High	・Expansion of the market by promoting IPM (Integrated Pest Management) solutions ・Provision of smart agriculture-compatible products and services ・Provision of biopesticide and biostimulant products ・Research, development, and market introduction of microbial pesticides, pheromone agents, etc. ・Research and development of products compatible with precision agriculture and water-saving agriculture ・Market development for products targeting water-scarce regions
	3. Increased sales driven by market growth for eco-harmonized products	Downstream: Reduced impacts on soil and water quality, and contribution to biodiversity conservation	Increased sales of environmentally friendly products	High	High	・Expansion of the portfolio of products with reduced environmental impacts ・Marketing initiatives highlighting contributions to sustainable agriculture
	4. Increased agrochemical demand in response to climate change	Downstream: Maintenance of agricultural ecosystem stability with products adapted to climate change, and sustainable use of natural capital through food production	Increased sales of climate-resilient products	High	Medium	・Product development and facilitation of registration for varieties and cultivation systems adapted to climate change ・Formulation design that maintains efficacy under extreme weather conditions
	5. Reduced water impact through product solutions	Downstream: Efficiency improvement of water resource use through water-saving agrochemicals	Expansion of the market for water-saving formulations, market development in water-scarce areas, stable earnings through reduction of water-related risks	High	High	・Research, development, and facilitation of registration for water-saving agrochemicals (formulations compatible with low-volume spraying) ・Facilitation of registration for precision agriculture (spot spraying) compatible products ・Promotion of water use optimization through localized application (water-saving) technology ・Market development for products targeting water-scarce regions
	6. Increased agrochemical demand due to declining crop quality	Downstream: Reduction of crop stress caused by extreme weather	Increased demand for climate-resilient products	Medium	High	・Development of products resistant to environmental stress ・Prevention of quality deterioration through use of pest and disease prediction systems
	7. Increased agrochemical demand due to rising pest and disease occurrence linked to climate change	Downstream: Adaptation to changing pest and disease occurrence patterns due to climate change, and contribution to food security through crop protection	Quantitative and qualitative expansion of agrochemical demand, shift in demand toward high value-added products, increased sales of broad-spectrum products	High	High	(Response through Product and Technology Development) ・Acceleration of research, development, and market launch of products adapted to climate change ・Strengthening of the lineup of highly efficient products targeting specific diseases and pests ・Development of products with high-performance preventive control effects ・Development of versatile broad-spectrum products (Response through Solutions and Agricultural Technologies) ・Promotion of IPM (Integrated Pest Management) solutions ・Development of highly selective products minimizing impacts on non-target organisms (pollinators, natural enemies, etc.) ・Proposal of rotation spray systems considering resistance management ・Provision of smart agriculture-compatible products and services ・Advancement of timely pest control and optimal spray rates using data (Market Response and Business Strategy) ・Enhancement of data-driven market analysis capabilities and timely integration into development and adoption strategies ・Response to the demand shift toward high-value-added, broad-spectrum products ・Expansion and optimization of the portfolio for crops and regions highly impacted by climate change ・Strengthening of market penetration of adaptive products through marketing strategies
	8. Increased sales of pesticides effective against invasive species	Downstream: Prevention of ecosystem disruption by invasive species, and contribution to the conservation of native biodiversity	Development of niche markets for pesticides targeting invasive species, price premium as high value-added products	Medium	High	・Research and development of pesticides targeting invasive species ・Strengthening of collaboration with ecosystem conservation organizations ・Integration with invasive species monitoring systems