



PREFERRED PARTNER OF CHOICE IN ASIA PACIFIC

Does your innovation match one of our “**Technology Focus Areas**”?

[Contact us](#) to submit a non-confidential description.

Technology Focus Areas

I. Field Solutions

- Field diagnostic & phenotyping tools to identify pests and diseases in the field
- Hardware and software related to planting, fertilizing & crop management
- Decision tools for environmental, disease & crop modeling
- Automation in field, greenhouse, and laboratory to improve efficiency & accuracy

II. Biologics

- Yield Enhancement – Microbes or microbial-derived solutions to increase corn & soybean yield
- Pest Control – Microbial strains or defined biomolecules with proven activity against key pests
- Disease Control – Natural products or microbials to reduce fungal disease pressure on crops
- Enabling Technologies – Novel approaches to optimize microbial strain gene or protein expression, activity & regulation

III. Biotech

- Yield enhancement – Trait solutions to increase yield & yield components
- Pest Control – Trait solutions to lower insect & nematode damage
- Disease Control – Trait solutions to reduce fungal growth & symptoms
- Weed Control – Trait solutions to protect crops from commercial herbicides or decrease pressure from weeds
- Enabling Technologies – Novel approaches to optimize gene or protein expression, activity & regulation; Novel transformation approaches

IV. Breeding

- Hybridization & doubled-haploid technology for row crop and vegetable breeding
- Germplasm with native traits conferring disease resistance
- Scaling phenomics to field level and multiple environments
- Novel approaches to manage, analyze & visualize complex omics data sets, to increase genetic variation in crops; AI deep learning genomic selection breeding platform

V. Small Molecules

- Active ingredients for seed treatment or foliar applications for disease, pest & weed control, crop growth & health – with a new mode of action & meeting global regulatory safety standards; AI application in drug discovery & drug optimization process
- Formulation technologies for chemistry delivery contributing to stability, improved performance, controlled release & safety
- Drone – ready formulations or technologies

VI. Sustainability

- Reduction of field GHG / carbon / water scarcity footprint
- Sustainable field management practices
- Soil health enhancement measures

