



Biological Crop Protection research services launched

Are you looking to improve your biological and biochemical plant protection strategies?

Vineland's new Biological Crop Protection research service can help.

We can support the introduction and use of new products and integrated pest management (IPM) solutions to improve production efficiency while promoting horticulture crop quality, environmental performance and safe working conditions.

We deliver:

- Impactful solutions
- Proven scientific excellence and reputation
- Vendor neutrality
- Integrated multi-disciplinary research
- Pre-commercial greenhouse and laboratory facilities
- Established connections along the value chain

Multi-disciplinary research expertise:

| Biological Control | Biochemistry | Plant Production |
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| <ul style="list-style-type: none">● Insect and mite pests and their natural enemies● Plant pathogens and beneficial microbes● Integrated pest management systems | <ul style="list-style-type: none">● Plant defense and resistance mechanisms● Translation of complex metabolite profiles into meaningful biological conclusions | <ul style="list-style-type: none">● Controlled-environment plant production (greenhouse and indoor agriculture)● Growing media and root-zone management● Plant physiology and nutrition |



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RESEARCH & INNOVATION CENTRE

Integrated biological strategies for plant protection and health

Services offered:

- Discovery and development of new biopesticides:
 - Microbial – predators, parasitoids
 - Biochemical
- Evaluation of biopesticides, biostimulants, biosecurity practices, plant resistance traits and other IPM tools:
 - Efficacy against pests and diseases
 - Plant phenotyping, morphological and physiological evaluation, plant and fruit quality assessment and phytotoxicity
 - Biochemical plant responses (metabolomics)
 - Determination of mode of action, plant protection mechanisms and interactions between products and practices
- Process analysis to develop recommendations for implementation and optimization of biological plant protection tools

Looking for more information or a service quote?

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