



Greenhouse Research Studies

ICMS provides greenhouse screening trials on a wide variety of commercially produced crops.

Located in the heart of Abbotsford, British Columbia, the ICMS greenhouse facility consists of 12 individual, double-poly Quonset structures. Each house has the capability of utilizing various forms of commercial greenhouse production methods such as: Drip lines, trough systems (aggregate & liquid culture), ebb & flood, NFT and floating raft method. Outdoor nursery space also allows for screening trials on potted trees, shrubs, annuals and perennials using overhead or drip irrigation. Trials can be designed with crop specific irrigation and environmental control using an A-tank B-tank fertilizer set-up and HOBO weather systems.



Greenhouse crop services:

- Herbicide, Insecticide and fungicide trials for efficacy and crop tolerance
- Variety trials screening crop varieties and traits for various desirable characteristics (single seed & cuttings)
- GLP Studies including DFR and RAC
- Biological insect trials screening for both efficacy and crop tolerance
- Greenhouse fertilizer and breeding line evaluation

For more information please contact your ICMS representative at 1-800-558-8771 or visit www.icms-inc.com



Each greenhouse structure can be programmed to encourage disease and pest development through various forms of fogging, misting and lighting systems when appropriate.

Additionally, crops can be inoculated with the disease to be tested and insects introduced to increase pest incidence within the crops.

Through years of experience working with various greenhouse crop systems and experienced greenhouse staff, ICMS has developed an understanding of the techniques to carry out these types of studies in the most efficient manner with contamination avoidance being a key element in the process.



Examples of Previously Conducted Greenhouse Trials Include:

- *Fusarium* on potted Cycleman
- *Botrytis* on Greenhouse Tomato
- *Powder Mildew* on Greenhouse Cucumber
- *Late Blight* on Greenhouse Tomato
- *Bottom rot* on Greenhouse Lettuce
- *Whitefly* control on Greenhouse Tomato
- Herbicide screening for greenhouse use
- Residue studies on Greenhouse Bell Pepper

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