

Introduction

The Boyce Thompson Institute Research Greenhouse is a 25,240 sq. ft. private, not for profit research facility, located on the Cornell campus in Ithaca NY. There are 20 greenhouses, 6 of which are air conditioned with chilled water and 14 are evaporative cooled, each at 480 sq. ft. All the greenhouses are controlled and monitored by an ARGUS computer automated greenhouse control system designed specifically to control the highly dynamic climate variable in greenhouses.

There are 15 walk in Conviron growth chambers with a total of 3,818 sq. ft. There are also 23 reach in Conviron chambers for a total of 398 sq. ft., a Dew Room that is 72 sq. ft., a 540 sq. ft. seed harvest room where plants can be finished, dried down and harvested. Additionally, there is a 600 sq. ft Plant Functional Genomics Room.

1.0 Introduction and Mission Statement

This document is intended to define policy for the Boyce Thompson Institute greenhouses, inform facility users, and serve as a guide for day to day greenhouse operations.

While there are some policy and operational differences between Cornell and BTI facilities, they are all managed in adherence to this general policy.

Mission:

Goal-

To use an Integrated Pest Management approach to achieve optimum plant growth and provide excellent facilities and services in support of the research staff.

Vision-

To operate a state of the art plant growth facility providing the highest quality research plants.

Focus-

A proactive service oriented approach that will anticipate the needs of the growth facility users.

The plant growth facility operates in compliance with BTI, Cornell, State and Federal Regulations including the Worker Protection Standard, Best Management Practices, all transgenic requirements and pesticide regulations.