



Certified Greenhouse Grower Program

CNGA's Certified Greenhouse Grower (CGG) Certification program is designed to promote high quality standards and professionalism for the greenhouse industry. Managing or working in a greenhouse requires an in-depth knowledge of plants, water usage, pests, chemicals, climate control, propagation and diseases.



Certified Greenhouse Grower

The Certified Greenhouse Grower (CGG) training seminars and exam are currently offered in February at ProGreen EXPO for those wanting to increase their knowledge of greenhouse growing. Earning a certification designation illustrates a higher level of knowledge and professionalism that benefits both the individual and the company for whom they work. To receive the certification you must pass the multiple choice exam with at least a 75% pass rate.

At least 2000 hours of verifiable employment with a registered greenhouse, garden center, contractor, or an allied industry, a completed exam application form and attendance at all of the pre-qualified seminars are required to sit for the exam. To maintain certification status, individuals must re-certify every three years and provide documentation of their continued education and activities advancing their knowledge and professional growth.

Required CGG seminars include:

- **How Does a Plant Grow? An Introduction to Botany and Plant Physiology** - This class covers the classification, anatomy, morphology and factors that influence plant growth.
- **Understanding Three Factors that are Essential for Growing Healthy Greenhouse Plants** – You will learn the inter-relationship of water, media and nutrition as they function together for proper plant growth. This will be a hands-on session examining soil amendments and their testing, the ins and outs of fertilizer calculations and how to read soil and water tests.
- **How to Provide the Best Environment for Greenhouse Growing** - This class will explain the importance of correct greenhouse environment and how that can affect plants' growth. An overview of equipment and uses as well as heating and cooling calculations will be discussed.
- **Fundamentals of Propagating Plants in Greenhouses** – In this hands-on class, you will learn the practical aspects of seed and vegetative propagation including discussions and demonstrations of germination requirements, proper environment and how to take cuttings.
- **How to Identify and Manage Common Greenhouse Diseases** - This class will help you identify greenhouse crop diseases and a variety of ways to manage them.
- **How to Identify and Manage Common Greenhouse Pests** – In this class you will learn how to identify common greenhouse pests using sticky cards and pest examples. Plant damage diagnostics will also prepare you for pest identification with and without using magnification.

CGG Manual

In addition to the face-to-face seminars, CNGA offers a CGG manual. The manual is a great study tool when preparing to take the CGG exam. In addition, it is a great reference guide to utilize when growing in a greenhouse. The manual covers the following topics:

Heating and Cooling
 Botany and Plant Physiology
 Plant Propagation
 Water
 Media
 Nutrition

Diagnosing Pests & Pathogen Problems
 Pests & Plant Disease
 Pest/Disease Control
 Common Insects & Mites
 Plant Diseases
 Pesticides & Use Laws and Regulations