



Certified Greenhouse Grower Certification 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. The seminars are also [available online, on-demand](#). 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:

- **Greenhouse Botany & Plant Physiology** – This course deals the classification, anatomy, morphology and factors that influence plant growth.
- **Greenhouse Water, Media & Nutrition** – This session demonstrates 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.
- **Greenhouse Heating & Cooling** – This course covers 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.
- **Greenhouse Basic Plant Propagation** – This is a hands-on class covering practical aspects of seed and vegetative propagation. Discussion and demonstrations of germination requirements, proper environment and how to take cuttings.
- **Greenhouse Disease Management** – This course will help with identification of greenhouse crop diseases and ways to manage greenhouse crop diseases.
- **Greenhouse Insect Pests Class and Lab** – This course will help with identification and management of insect pests common in the greenhouse. How to identify live pests and pests on sticky cards with and without magnification as well as plant damage.

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