

Standards and Competencies for Greenhouse Management (Course # 5167)

	Begin-End Yr
Standard 1 - Specify correct procedures for handling pesticides and using general safety practices in the greenhouse.	2009 -
1.1 - Follow industry safety standards in the greenhouse and work area.	2009 -
1.2 - Evaluate proper chemical/pesticide safety standards.	2009 -
1.3 - Assess the purpose of worker protection standards.	2009 -
1.4 - Compare the uses and types of chemicals used in greenhouse production.	2009 -
1.5 - Complete safety test with 100 percent accuracy.	2009 -
1.6 - Obtain the worker protection standards student industry certification.	2009 -
Standard 2 - Evaluate greenhouse structural types and components.	2009 -
2.1 - Identify greenhouse types based on their end wall shape.	2009 -
2.2 - Identify greenhouse construction materials.	2009 -
2.3 - Evaluate climate control systems.	2009 -
2.4 - Evaluate growing systems, including watering, fertilizing, and plant placement.	2009 -
Standard 3 - Evaluate the properties of different types of soil media.	2009 -
3.1 - Explain the major functions of growing media.	2009 -
3.2 - Analyze and explain the attributes of growing media.	2009 -
3.3 - Compare cost effectiveness of premix or personal mix.	2009 -
Standard 4 - Evaluate the different plant structures and functions of those structures.	2009 -
4.1 - Evaluate the importance of plant structures.	2009 -
4.2 - Explain the functions of plant structures.	2009 -
Standard 5 - Evaluate proper methods of asexual plant propagation.	2009 -
5.1 - Examine methods of plant propagation.	2009 -
5.2 - Compare the benefits of asexual versus sexual reproduction.	2009 -
5.3 - Evaluate the techniques of sexual and asexual reproduction of plants.	2009 -
Standard 6 - Assess proper nutrition and watering techniques with greenhouse crops.	2009 -
6.1 - Evaluate the benefits of proper watering of plants.	2009 -
6.2 - Explain the benefits of proper nutrition of plants.	2009 -
6.3 - Examine and distinguish how water pH interacts with plant growth.	2009 -
Standard 7 - Select greenhouse crops in greenhouse production.	2009 -
7.1 - Evaluate and explain the use of different greenhouse crop species for production.	2009 -
7.2 - Compare the advantages and disadvantages of common plants grown in greenhouses.	2009 -
7.3 - Identify common greenhouse plants.	2009 -
7.4 - Distinguish between annual, biennial and perennial plants.	2009 -
Standard 8 - Demonstrate organizational skills and work ethics necessary in greenhouse production.	2009 -
8.1 - Explain the skills to manage the complete production schedules.	2009 -
8.2 - Evaluate and explain work habits needed to create a positive atmosphere.	2009 -
8.3 - Evaluate the importance of recordkeeping.	2009 -
Standard 9 - Evaluate the control of common diseases and pests using integrated pest management.	2009 -
9.1 - Evaluate the effects of common diseases in greenhouse production.	2009 -
9.2 - Evaluate the effects of common pests in greenhouse production.	2009 -
9.3 - Assess and explain common methods of control of greenhouse pests and diseases.	2009 -
9.4 - Evaluate the effectiveness of integrated pest management (IPM) for controlling greenhouse pests and diseases.	2009 -
Standard 10 - Demonstrate premier leadership and personal growth needed in a greenhouse management career.	2009 -
10.1 - Discuss how the FFA has changed as agriculture has changed.	2009 -
10.2 - Develop public speaking skills needed in the greenhouse industry.	2009 -
10.3 - Conduct meetings, using approved parliamentary law.	2009 -
10.4 - Develop an SAEP, supervised agricultural experience program, for a greenhouse enterprise.	2009 -