

Standards and Competencies for Greenhouse Management (Course # 5167)

| | Begin-End Yr |
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| 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 - |