

**Directions:**

Evaluate the student by checking the appropriate number or letter to indicate the degree of competency. The rating for each task should reflect **employability readiness** rather than the grades given in class.

**Rating Scale:**

- 3 Mastered** – can work independently with no supervision
- 2 Requires Supervision** – can perform job completely with limited supervision
- 1 Not Mastered** – requires instruction and close supervision
- N No Exposure** – no experience or knowledge in this area

3	2	1	N	<b>A. Plant and Plant Product Identification</b>	<b>Notes:</b>
				1. Identify nursery plants	
				2. Identify floriculture crops	
				3. Identify fruits and nuts	
				4. Identify turf grasses	
				5. Identify vegetables	
				Other:	

3	2	1	N	<b>B. Maintaining Established Plants</b>	<b>Notes:</b>
				1. Maintain lawns and turf	
				2. Maintain orchards and vineyards	
				3. Maintain ornamentals	
				4. Maintain small fruits and vegetables	
				5. Maintain floriculture crops	
				6. Maintain interiorscaping plants	
				Other:	

3	2	1	N	<b>C. Landscaping and Interiorscaping</b>	<b>Notes:</b>
				1. Develop design	
				2. Develop public area	
				3. Develop service area	
				4. Develop private and family area	
				5. Choose corner plantings	
				6. Choose entrance plantings	
				7. Choose foundation plantings	
				8. Choose ground cover plantings	

					9. Determine areas appropriate for planting
					10. Determine planting patterns
					11. Interpret landscape/interiorscape plans
					Other:

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>D. Floral Design</b>	<b>Notes:</b>
				1. Use correct floral design terminology	
				2. Identify common tools and mechanics used in arranging flowers	
				3. Identify the types of flowers that can be used in floral design	
				4. Identify the basic principles of floral design	
				5. Identify the basic floral design shapes	
				6. Design a fresh floral arrangement	
				7. Design a dried and/or silk floral arrangement	
				8. Perform basic wiring techniques	
				9. Construct bows using basic ribbon widths	
				10. Construct different types of corsages	
				11. Construct different types of boutonnieres	
				12. Construct a floral design using Christmas greens	
				13. Construct wedding floral designs	
				14. Construct funeral floral designs	
				15. Prepare, design, and plant a dish garden	
				16. Prepare, design, and plant a terrarium	
				17. Package florist flowers/arrangements for delivery	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>E. Preparation of Soils and Planting Media</b>	<b>Notes:</b>
				1. Take soil samples	
				2. Interpret data of soil sample analysis	
				3. Prepare planting media (soilless mix)	
				4. Sterilize (pasteurize) soils/soilless mixes	
				5. Fertilize media/soil	
				6. Plan/construct drainage system	
				7. Apply lime and nutrients (organic and inorganic)	

				8. Plan and prepare fields	
				9. Plan and prepare beds	
				Other:	

3	2	1	N	F. Preparation and Planting of Plants	Notes:
				1. Maintain dormant plants	
				2. Prepare/plant seeds	
				3. Prepare/plant bulbs, corms, tubers, rhizomes, and roots	
				4. Prepare/transplant seedlings, cuttings, and stolens	
				5. Prepare/transplant large plants	
				6. Apply correct mulch	
				Other:	

3	2	1	N	G. Propagation of Plants	Notes:
				1. Label plants	
				2. Set time clocks for automatic mist propagation system	
				3. Propagate plants by taking cuttings	
				4. Propagate plants through layerage techniques	
				5. Propagate plants by division	
				6. Propagate plants by budding	
				7. Propagate plants by grafting	
				8. Remove propagated plants	
				9. Handle propagated plants for shipping or receiving	
				Other:	

3	2	1	N	H. Cultural and Environmental Control Practices	Notes:
				1. Pinch flowering plants	
				2. Disbud flowering plants	
				3. Prune plants	
				4. Apply growth regulating chemicals	
				5. Force bulbs (control temperature, moisture, and light)	
				6. Apply shade material	
				7. Install black cloth to regulate photoperiod	
				8. Provide the required light intensity and length for photoperiod control	
				9. Adjust or control closed environment temperature	

				10. Provide for low temperature control in fields	
				11. Provide for high temperature control in fields	
				12. Cultivate soils	
				13. Aerate compacted soils	
				14. Provide plant support	
				15. Apply granular fertilizer	
				16. Apply liquid fertilizer	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>I. Irrigation Practices</b>	<b>Notes:</b>
				1. Calculate amount/source of water needed	
				2. Set time control valves	
				3. Hand water plants	
				4. Regulate furrow irrigation	
				5. Regulate overhead irrigation	
				6. Regulate trickle irrigation	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>J. Plant Pest and Disease Control</b>	<b>Notes:</b>
				1. Identify plant disease	
				2. Identify insect damage	
				3. Identify chemical and environmental damage	
				4. Identify mechanical damage	
				5. Identify weeds	
				6. Determine correct control procedures	
				7. Safely mix chemicals	
				8. Safely apply chemicals	
				9. Provide biological controls	
				10. Remove diseased plants	
				11. Remove weeds manually from crops	
				12. Remove weeds with mechanical aids	
				13. Set out poisoned bait to eradicate rodents	
				14. Safely store chemicals and equipment	
				Other:	

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3	2	1	N	<b>K. Harvesting and Handling of Crops</b>	<b>Notes:</b>
				1. Harvest plants or plant products at proper stage	
				2. Count plants or plant products	
				3. Clean and size harvested plants or plant products	
				4. Load plants for hauling	
				5. Dry harvested crops which require curing	
				6. Treat harvested crops for reduction of spoilage	
				Other:	

3	2	1	N	<b>L. Packaging, Storage, and Shipment</b>	<b>Notes:</b>
				1. Grade for size and quality plants or plant products	
				2. Place plants or products in proper storage	
				3. Prepare invoices and shipping labels	
				4. Package orders for shipment	
				5. Assemble shipping cartoons	
				6. Inventory plants or plant products	
				7. Observe federal and state shipping standards	
				Other:	

3	2	1	N	<b>M. Miscellaneous Maintenance and Repairs</b>	<b>Notes:</b>
				1. Maintain gasoline engines	
				2. Maintain diesel engines	
				3. Maintain electric motors	
				4. Maintain large implements	
				5. Maintain small implements	
				6. Correctly store implements	
				7. Sharpen hand tools	
				8. Repair growing structures	
				9. Locate and report any malfunctions of liquid injection systems	
				10. Repair and maintain irrigation system	
				11. Repair and maintain spray equipment	
				Other:	

3	2	1	N	<b>N. Leadership and Personal Development for Advanced Students</b>	Notes:
				1. Develop a resume and complete a job application	
				2. Develop a plan for finding a job	
				3. Describe how to apply and interview for a job	
				4. Describe the characteristics needed to develop desirable personal and social skills	
				5. Describe the importance and process of developing better human relationships	
				Unit: Explore a career area by investigating entry-level job opportunities at a local agricultural business and writing a résumé and letter of application for a position.	
				Other:	

3	2	1	N	<b>D. Using the <i>Missouri Agricultural Record Book for Secondary Students</i></b>	Notes:
				1. Complete forms needed to open the Missouri Agricultural Record Book for Secondary Students	
				2. Complete a budget for the SAE program	
				3. Complete inventory and financial statement forms for the Missouri Agricultural Record Book for Secondary Students	
				4. Complete receipt and expenditure forms in the Missouri Agricultural Record Book for Secondary Students	
				5. Complete additional forms in the Missouri Agricultural Record Book for Secondary Students	
				Unit: Demonstrate the ability to use selected forms in the <i>Missouri Agricultural Record Book for Secondary Students</i> by using a list of sample entries to complete the applicable forms in the book.	
				Other:	