

Name: _____

Agricultural Machinery

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

NOTE: All competencies involving safety require a Number 3 rating.

3	2	1	N	
				The student has mastered the related competencies of Agricultural Science I and II.

3	2	1	N	A. Following Safety Procedures	Notes:
				1. Demonstrate safe machinery operation practices	
				2. Demonstrate safe procedures for servicing, repairing, calibrating and adjusting agricultural machinery	
				Other:	

3	2	1	N	B. Operating and Maintaining Power Units	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select unit	
				3. Service and repair unit	
				4. Calibrate and adjust unit	
				5. Check and service charging and starting systems	
				6. Check and service comfort systems	
				7. Check and service hydraulic systems	
				8. List steps to prepare machinery for post season storage	
				9. List steps to follow after removing machinery from post season storage	
				10. Explain principles of hitching and ballasting	
				Other:	

3	2	1	N	C. Operating and Maintaining Primary Tillage Equipment	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select equipment	
				3. Service and repair equipment	

				4. Calibrate and adjust equipment	
				5. List steps to prepare machinery for post season storage	
				6. List steps to follow after removing machinery from post season storage	
				7. Explain principles of hitching and ballasting	
				Other:	

3	2	1	N	D. Operating and Maintaining Secondary Tillage Equipment	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select equipment	
				3. Service and repair equipment	
				4. Calibrate and adjust equipment	
				5. List steps to prepare machinery for post season storage	
				6. List steps to follow after removing machinery from post season storage	
				7. Explain principles of hitching and ballasting	
				Other:	

3	2	1	N	E. Operating and Maintaining Planting Equipment	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select equipment	
				3. Service and repair equipment	
				4. Calibrate and adjust equipment	
				5. List steps to prepare machinery for post season storage	
				6. List steps to follow after removing machinery from post season storage	
				7. Explain principles of hitching and ballasting	
				Other:	

3	2	1	N	F. Operating and Maintaining Chemical Applicators	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select applicator	
				3. Service and repair applicator	
				4. Calibrate and adjust applicator	

				5. List steps to prepare machinery for post season storage	
				6. List steps to follow after removing machinery from post season storage	
				7. Explain principles of hitching and ballasting	
				Other:	

3	2	1	N	G. Operating and Maintaining Harvesting Equipment	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select equipment	
				3. Service and repair equipment	
				4. Calibrate and adjust equipment	
				5. List steps to prepare machinery for post season storage	
				6. List steps to follow after removing machinery from post season storage	
				7. Explain principles of hitching and ballasting	
				Other:	

3	2	1	N	H. Operating and Maintaining Materials and Handling Equipment	Notes:
				1. Demonstrate the uses of machinery operator manuals	
				2. Size and select equipment	
				3. Service and repair equipment	
				4. Calibrate and adjust equipment	
				5. List steps to prepare machinery for post season storage	
				6. List steps to follow after removing machinery from post season storage	
				7. Explain principles of hitching and ballasting (
				Other:	

3	2	1	N	I. Leadership and Personal Development for Advanced Students	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	D. Using the <i>Missouri Agricultural Record Book for Secondary Students</i>	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:	