

STANDARD TASK ANALYSIS FORM

6/2/2011

Duty/Task:											
G-13 Cultivate crop fields		NOTE: Cultivation may use discs, row cultivators or rototillers									
STEPS (Required to Perform the Task)	PERFORMANCE STANDARDS (Observable & Measurable Criteria)	TOOLS, EQUIPMENT, SUPPLIES & MATERIALS (Needed)	REQUIRED KNOWLEDGE AND SKILLS (Math, Science, & Language)	SAFETY (Concerns)	WORKER BEHAVIORS (Important to Worker Success)	DECISIONS (Identify Decisions that Must be Made by the Worker)	CUES (Identify the Data Needed for Making Correct Decisions)	ERRORS (Indicate What May Result if Incorrect Decisions are Made)			
1 Attach cultivator to tractor	1 Correctly attached the cultivator to the tractor	1 Tractor, cultivator	1 Basic mechanical knowledge	1 Be cautious around equipment	1 Conscientious, safety oriented, patient, accurate	1 How do I attach the cultivator to the tractor? What tools do I need? Do I need someone to help me?	1 Experience, equipment knowledge, manual for attachment	1 Won't be able to cultivate, or cultivator may not function if attached incorrectly			
2 Adjust cultivator to required row width and crop being cultivated	2 Adjusted cultivator correctly to accommodate row width of the crop being cultivated	2 Wrenches	2 Basic mechanical knowledge	2 Be cautious around equipment	2 Accurate, physically fit, conscientious, safety oriented	2 How do I adjust the cultivator? Do I need assistance? Who can help me?	2 Manual for the attachment, experience	2 May cultivate too close to crop or destroy plants			
3 Cultivate the field	3 Cultivated the field effectively using an efficient pattern and optimal speed	3 Tractor, cultivator	3 Tractor driving skills, knowledge of effective cultivation methods	3 Be cautious around equipment and operating tractor	3 Patient, conscientious, observant	3 Am I using an effective, efficient pattern? Am I driving too fast? Am I covering plants? Am I cultivating too deep?	3 Observation, experience, stage of growth of crop being cultivated, Extension publications	3 May damage plants or crop if cultivating too fast, too deep or too close to plants, too shallow may leave too many weeds			
Analyst: John Moser			Specific Relevant References:								
Expert Workers:			1 Attachment owner's manual								
Al Welch			2 Extension publications								
Milan Pajev											