

STANDARD TASK ANALYSIS FORM

6/2/2011

Duty/Task:									
G-11 Determine irrigation needs									
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 Scout fields and visually inspect plants for dryness or wilt	1 Scouted fields thoroughly to assess plant conditions and soil moisture	1 Gator or ATV, truck	1 Knowledge of plant symptoms of water deficiency or wilt, driving skills	1 Drive carefully	1 Observant, discerning, timely, proactive, decisive	1 Do the plants appear to be suffering from lack of water? Is it localized in the field or all over?	1 Plant appearance, observations	1 Plants may wilt or die if dryness is not monitored or detected, crop loss could result	
2 Review rainfall amounts for the prior week to identify recent water amounts	2 Accurately reviewed rainfall amounts over the past week	2 Newspaper, rain gauge, computer, Internet, PDA	2 Analytical skills	2 N/A	2 Conscientious, attentive	2 How much rain have we received in the last week? Did we get our inch per week? Has it been windy? Has the humidity been low?	2 Weather records, observations	2 Won't know officially how much water has been received	
3 Review weather forecasts for chances or rain forthcoming	3 Reviewed local weather forecast daily for upcoming weather	3 Newspaper, computer, Internet, PDA	3 Analytical skills	3 N/A	3 Attentive, observant	3 Is rain predicted in the coming day(s)? If so, how much? What are our chances of rainfall?	3 Weather forecast	3 Won't be able to objectively decide if irrigation is going to be required	
4 Conclude whether irrigation is needed	4 Reasonably concluded if rain was imminent	4 N/A	4 deductive reasoning skills	4 N/A	4 Decisive, logical	4 Do I need to start irrigating soon?	4 Conclusions from steps 1-3 above	4 May waste water if rain is coming soon, may end up with too much water	
Analyst: John Moser			Specific Relevant References:						
Expert Workers:			1 Local newspaper						
Al Welch			2 Local TV						
Milan Pajev			3 Weather websites						