

STANDARD TASK ANALYSIS FORM

6/2/2011

Duty/Task:									
G-5 Monitor seedling development									
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 Check field seedling development once daily.	1 Visually inspected seedling development, moisture, and vigor once per day.	1 Magnifying glass, Gator or ATV (to cover the fields)	1 Knowledge of plant growth, seedling development and factors that affect growth, ability to determine needs by appearance, knowledge of minimum stand counts	1 Be careful operating Gator or RTV	1 Timely, observant, discerning, accurate, knowledgeable, problem solver	1 What stage of growth should the seedlings be at given the planting date? What deficiencies would I be most likely to see? How do fields planted at earlier or later dates compare? Is there pest or disease damage?	1 Size and vigor of the seedlings, seedling color, seedling density, uniformity of plant development, leaf appearance, extent of pest damage	1 Seedlings may not develop as planned and may need to be re-seeded or re-planted; may not recognize need to replant soon enough, may not recognize pest or disease damage timely enough	
2 Check greenhouse or hydroponic seedling development twice daily	2 Visually inspected seedling development, moisture and vigor twice daily	2 Magnifying glass	2 Knowledge of plant growth, seedling development and factors that affect growth, ability to determine needs by appearance, knowledge of minimum stand counts	2 N/A	2 Timely, observant, discerning, accurate, knowledgeable, problem solver	2 What stage of growth should the seedlings be at given the planting date? What deficiencies would I be most likely to see? How do containers planted at earlier or later dates compare? Is there pest or disease damage?	2 Size and vigor of the seedlings, seedling color, seedling density, uniformity of plant development, leaf appearance, extent of pest damage	2 Seedlings may not develop as planned and may need to be re-seeded or re-planted; may not recognize need to replant soon enough, may not recognize pest or disease damage timely enough	
3 Determine if changes in moisture, fertilization, ventilation or temperature are necessary to promote growth	3 Accurately determined if any type of intervention was needed to promote plant growth	3 Soil moisture meter, thermometer	3 Knowledge of plant growth, seedling development and factors that affect growth, ability to determine needs by appearance, knowledge of minimum stand counts	3 N/A	3 Timely, observant, discerning, accurate, knowledgeable, problem solver, decisive	3 Do I need to water? Do I need to fertilize? Do I need to apply pest or disease control? Do I need to increase ventilation and air circulation? Do I need to change the greenhouse temperatures?	3 Plant appearance, plant density, petiole quick nitrate test, tissue sample test results	3 Won't ensure optimal growing conditions to maximize yield	
Analyst: John Moser			Specific Relevant References:						
Expert Workers:			1 Extension publications						
AI Welch									
Milan Pajev									