

STANDARD TASK ANALYSIS FORM

6/2/2011

Duty/Task:									
F-2 Develop fertility program for specific crop(s) (e.g., soil, water)									
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 Review soil sample test results	1 Accurately reviewed soil sample results to identify existing nutrient levels in soil.	1 Soil sample test results	1 Reading skills, basic agronomic knowledge, basic chemistry knowledge	1 N/A	1 Analytical, critical thinker	1 What do the soil sample results indicate? Do I need to re-test? Do the results compare to previous soil sample results?	1 Previous soil sample results, levels of micro and macronutrients in soil, pH level	1 Crops won't get the proper nutrients which will lower crop yields, lost revenue, increased disease and pest pressures, lack of long-term soil sustainability	
2 Determine appropriate fertility practices and any and amendment(s) that may be needed	2 Correctly determined appropriate fertility practices and amendment(s) needed for soil or water	2 Soil test interpretation tables	2 Basic agronomic knowledge, growing practice requirements (e.g., certified organic), knowledge of organic and inorganic fertilizers and lime	2 N/A	2 Discerning, decisive, knowledgeable	2 What fertilizers/amendments do I need to add? What quantities are needed per acre? What methods of application are required? Do I need any specialized equipment to apply the required fertilizers and amendments?	2 Fertilizers/mendments used, soil test results, crop plan	2 Crops won't get the proper nutrients which will lower crop yields, lost revenue, increased disease and pest pressures, lack of long-term soil sustainability	
3 Determine the appropriate timing to apply the fertilizers and amendments	3 Determined the correct application timing for fertilizers and amendments	3 Crop plan, calendar	3 Knowledge of crop growth, specific amendment application standards, awareness of weather conditions	3 N/A	3 Detail-oriented, timely, discerning, responsible	3 When should I apply fertilizer(s) and amendment(s) to a specific crop? How often should the amendments be applied?	3 Crop planting schedule, fertility requirements for specific crops, weather conditions	3 Fertilizers and amendments applied at the wrong time may leach away and not be available to the crop when needed, fertilizers applied at the wrong stage of plant growth may damage the crop	
Analyst: Susan Pavilkey			Specific Relevant References:						
Expert Workers:									
Christie Welch									
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