

<b>Duty/Task:</b>									1
<b>STEPS (Required to Perform the Task)</b>									
	<b>PERFORMANCE STANDARDS (Observable &amp; Measurable Criteria)</b>	<b>TOOLS, EQUIPMENT, SUPPLIES &amp; MATERIALS (Needed)</b>	<b>REQUIRED KNOWLEDGE AND SKILLS (Math, Science, &amp; Language)</b>	<b>SAFETY (Concerns)</b>	<b>WORKER BEHAVIORS (Important to Worker Success)</b>	<b>DECISIONS (Identify Decisions that Must be Made by the Worker)</b>	<b>CUES (Identify the Data Needed for Making Correct Decisions)</b>	<b>ERRORS (Indicate What May Result if Incorrect Decisions are Made)</b>	
H-1 Monitor growing environment									
1 Observe growing conditions	1 Growing conditions observed for moisture levels, soil conditions, light, and temperature; all growing aids, structures and equipment operable	1 Paper, pen, computer, light meter, digital camera, temperature and rain gauges, insect traps; hats, sunscreen	1 Soil and plant fertility knowledge; diagnostic skills; computer skills; time management skills; communication skills; observational skills	1 Personal	1 Organized; timely; accurate; observant; self-motivated	1 Are conditions too dry? Too wet? Are light levels adequate? Is temperature too extreme? Are growing aids operating effectively? Is anything broken? Is there any concern about safety? Should I document with a photo?	1 Ribbing of soil; length of time since last observation; schedules; measurements; photos	1 Poor crop growth and quality; death; dissatisfied customers; loss of revenue; increased weed seed bank; increased pests in following crops; erosion; low fertility	
2 Observe crop growth and health	2 Crops observed for plant and produce quality, structural weaknesses, readiness for harvest, pest pressures, nutrient deficiencies, and environmental stresses	2 Paper, pen, computer, light meter, digital camera, insect traps; nitrate meter; measuring devices; hand lens; hats; sunscreen	2 Soil and plant fertility knowledge; diagnostic skills; computer skills; time management skills; communication skills; knowledge of entomology; knowledge of plant pathology; observational skills; knowledge of plant physiology	2 Personal	2 Organized; timely; accurate; observant; self-motivated	2 What crop alerts are currently active? Are crops ready for harvest? Have I checked all parts of the crops, e.g. under leaves, in the canopy, roots, stem? Have I checked all parts of the crop for signs of deficiencies or pests? Do I need to take samples? How do I collect samples? Should I document with a photo?	2 Length of time since last observation; schedules; measurements; photos; crop visual conditions; samples	2 Poor crop growth and quality; death; dissatisfied customers; loss of revenue; increased weed seed bank; increased pests in following crops; erosion; low fertility	
3 Document observations in the growing environments	3 All observations documented according to standard operating practices for the business; scouting manuals, logs and journals used which include dates and who observed; photos used to document observations	3 Paper, pen, computer; journals, logs	3 Communication skills; language skills; analytical skills; organizational skills	3 Personal	3 Organized; timely; accurate; observant; self-motivated	3 What should I monitor on a routine basis? Why? Who do I need to share the documentation with? How do I know I have made a complete entry? Where do I keep the documentation? Should I include or refer to photos? How can this	3 Length of time since last observation; schedules; measurements; photos; crop visual conditions; samples	3 Poor crop growth and quality; death; dissatisfied customers; loss of revenue; increased weed seed bank; increased pests in following crops; erosion; low fertility	
4 Plan for follow up actions	4 Listed suggestions for follow-up based on observations and desired plant development	4 Paper, pen, computer; journals, logs	4 Time management skills; critical thinking skills; problem solving skills; diagnostic knowledge; problem solving skills	4 Personal	4 Organized; timely; accurate; observant; self-motivated	4 How do I know follow up action is needed? How urgent is follow up action? Who do I need to share the suggestions with? What options do I have for taking follow-up actions?	4 Length of time since last documentation; priority lists; schedules	4 Poor crop growth and quality; death; dissatisfied customers; loss of revenue; increased weed seed bank; increased pests in following crops; erosion; low fertility	
Analyst: Mike Loyd			Specific Relevant References:						
Expert Workers:									
Brad Bergfeld									
Meagan Zeune									