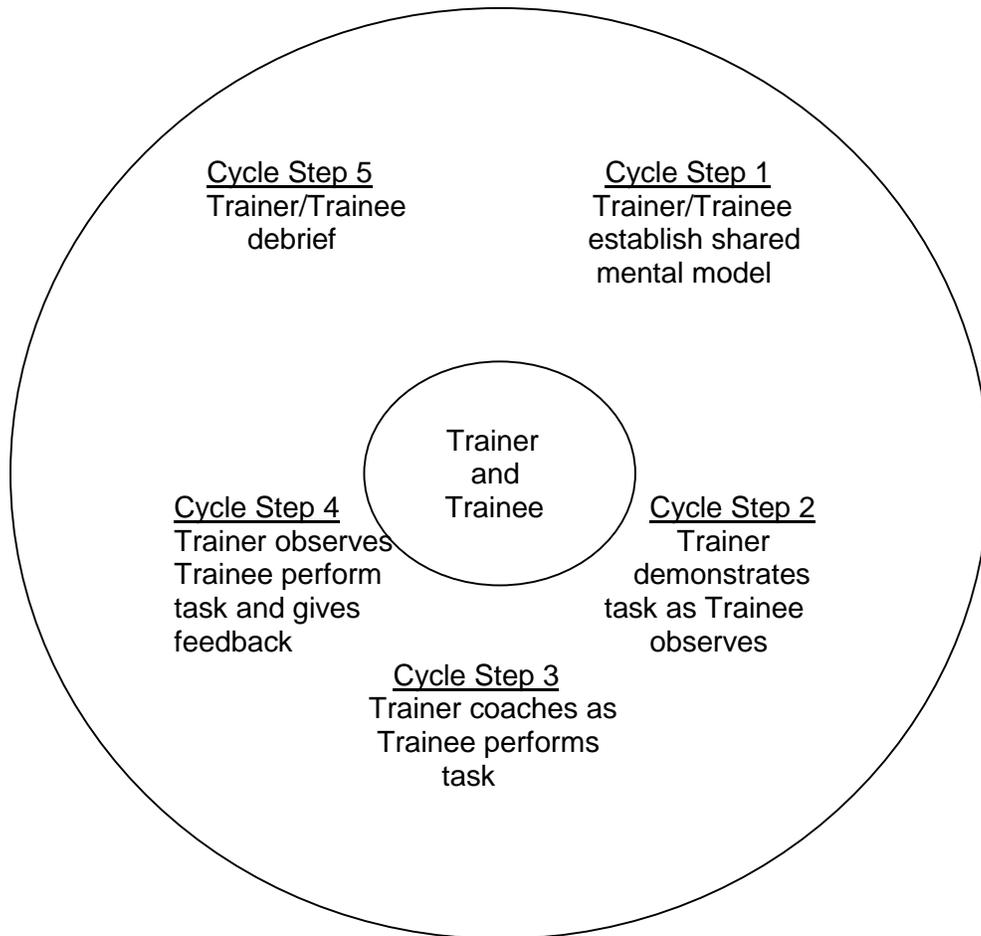


OJT Training Module Cover Sheet

Title: 721 How to measure plant production with the double weight sampling method
Type: <input checked="" type="checkbox"/> Skill <input type="checkbox"/> Knowledge
Performance Objective: Trainee will be able to... <ul style="list-style-type: none">• Estimate annual total plant production of forage species using the described double weight sampling method.
Target Proficiency: <input type="checkbox"/> Awareness <input type="checkbox"/> Understanding <input type="checkbox"/> Perform with supervision <input checked="" type="checkbox"/> Apply independently <input type="checkbox"/> Proficiency, can teach others
Trainer Preparation: <ul style="list-style-type: none">• Be familiar with the assigned reading and review material in the lesson plan that follows.
Special Requirements: None
Prerequisite Modules: <ul style="list-style-type: none">• 720 How to measure plant production with the comparative yield method• 722 How to measure plant production with the harvest method• 723 How to measure plant production
Notes: None
Authors: Johanna Pate Kim Stine
Approved by: Shawn McVey

The Five-Step OJT Cycle for Procedural Training (Skill)



OJT Module Lesson

Title: 721 How to measure plant production with the double weight sampling method	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle Step 1	<p>You and trainee review the objectives of the module.</p> <p>You and trainee read and review:</p> <ul style="list-style-type: none"> • Sampling Vegetation Attributes: <ul style="list-style-type: none"> ○ Methods <ul style="list-style-type: none"> ▪ Double Weight Sampling • Monitoring Manual for Grassland, Shrubland and Savannah Ecosystems, Volume II: Design, Supplementary Methods and Interpretation <ul style="list-style-type: none"> ○ Plant Production (Section II: Supplementary methods, Chapter 9) <p>Notes that three methods are referenced for measuring annual plant production:</p> <ol style="list-style-type: none"> 1. Comparative yield (estimates from weight units) 2. Double weight sampling (includes estimating and harvesting) 3. Harvesting (uses clipping of plots and air drying of harvested material to obtain a measure of dry matter production) <p>Note: An electronic copy of reference materials can be downloaded from numerous sites.</p>
Cycle Step 2	Follow the steps provided in the <u>Monitoring Manual for Grassland, Shrubland and Savannah Ecosystems, Volume II</u> for the double weight sampling method.
Cycle Step 3	Coach trainee as trainee completes sampling with method recommended by the trainer.
Cycle Step 4	Repeat Cycle Step 3 without coaching.
Cycle Step 5	Provide feedback and debrief trainee. Reinforce specific items as needed until trainee is able to independently measure plant production with the double weight sampling method.

OJT Module Lesson Measurement of Learning

Title: 721 How to measure plant production with the double weight sampling method	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Trainee's learning is measured.	During project activities, assign this task to the trainee. Sign off on performance when target proficiency is achieved.
Follow-up	Follow-up should be done within 6 months to make sure training is retained.

Performance Report Form

<p>Complete attachment: Trainee Performance Report Form template.pdf</p> <p>or</p> <p>SF-182 Trainee and/or supervisor access AgLearn to verify completion of the module via its SF-182</p>
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