

OJT Training Module Cover Sheet

Title: 1024 How to complete NHEL and HEL determinations.

Type: Skill Knowledge

Performance Objective:

- Trainee will be able to classify a cropland field as not highly erodible (NHEL) or highly erodible (HEL) following NRCS FSA guidelines.

Target Proficiency:

- Awareness Understanding Perform w/ Supervision
 Apply Independently Proficiency, can teach others

Trainer Preparation:

- Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.
- Be familiar with form AD-1026, Highly Erodible Land Conservation (HEL) and Wetland Conservation (WC) Certification.
- Be familiar with form NRCS CPA-026, Highly Erodible Land and Wetland Conservation Determination, or NRCS CPA-26E.
- Review soil survey map and soil reports for cropland field area to be determined.
- Locate and review HEL frozen soil list in section II of FOTG.
- Have examples of conservation plan folders where previous HEL determinations have been made on cropland fields. Have one or more reserved for use in exercises to compare trainee results with actual results.
- Locate and review C factor map and R factor map on eFTOG.
- Schedule a field day to make a field determination.

Special Requirements:

Initiate an external learning request with a SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.

Prerequisite Modules:

- 1014 How to find access and use the Web Soil Survey website.
- 1020 Understanding the processes of soil erosion.

Notes:

Provide the trainee information on how to locate information to make an HEL determination, as well as background on reasons for HEL determinations and the 1985 Food Security Act, conservation compliance.

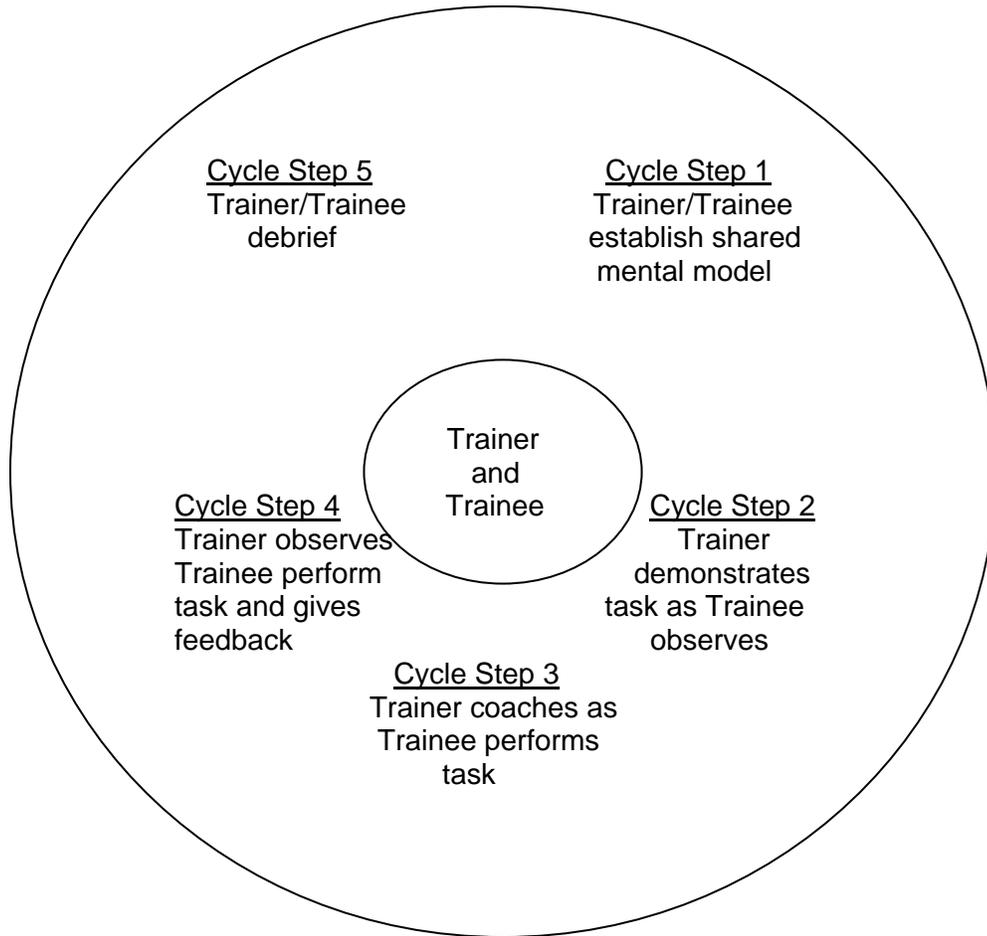
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The Five-Step OJT Cycle for Procedural Training (Skill)



OJT Module Lesson

Title: 1024 How to complete NHEL and HEL determinations.

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	<p>Trainer and trainee discuss objectives of module. Discuss reasons for HEL and implications to producers.</p> <p>Access via the internet the National Food Security Act Manual .</p> <ul style="list-style-type: none"> • Review Part 511 of the NFSAM. • Review conservation plan folder w/ HEL determination. • Review form AD-1026 and its instructions; discuss reasons for HEL determination and compliance. • Review NRCS CPA-026, how and what to complete for an HEL determination. • Review soil survey map and HEL frozen soil list for the local county or area. Discuss where the official HEL list is kept. • Discuss soil erosion factors for wind and water in the erosion equation; R,K,LS,T,C,I.
Cycle step 2	For demo purposes, trainer selects one of the conservation plans with a completed determination and completes the following six tasks:
1. Determine when an HEL determination is needed.	Show trainee who initiated the HEL determination, the form used to initiate it, and what questions were checked <u>yes</u> on the form to start the NRCS action.
2. Identify cropland field boundary on soil map.	Overlay location of cropland field boundary from FSA map to soils map and identify soil map units and acreage within field boundary.
3. Determine if cropland field is NHEL or HEL.	<p>Locate HEL frozen soil list and make a determination on whether the field is HEL, NHEL, or PHEL.</p> <p>Use NFSAM Part 511.11c. to determine HEL by field criteria. Manually calculate the soil map unit soil erodibility index (EI) NFSAM Part 511.01 c.</p>
4. Determine if site visit is necessary. Schedule one if necessary.	Show that a determination could not or could be made on the basis of the techniques described in #3 above in this example. (PHEL soil map units make up enough of the area to not make determination.) Site visit needed.
5. Define slope length (LS) and how it is measured.	Describe LS and how to measure it in the field referencing NFSAM part 511.03 e.
6. Determine entries on NRCS CPA-026.	Show completed form NRCS CPA-026 items 1 through 10.

Cycle step 3	Trainer selects another area and asks trainees to complete the following six tasks :
1. Determine when an HEL determination is needed.	Ask the trainee who initiates the HEL determination, what form is used to initiate it, and what questions need to be checked yes on the form to start the NRCS action.
2. Identify cropland field boundary on soil map.	Ask trainee to overlay location of cropland field boundary from FSA map, following state processes (Web Soil Survey, geodatabase, other), to soils map and identify soil map units and acreage within field boundary.
3. Determine if cropland field is NHEL or HEL.	Ask trainee to locate HEL frozen soil list and make a determination on whether the field is HEL, NHEL, or PHEL. Have trainee use NFSAM Part 511.11c. to determine HEL by field criteria. Also have them manually calculate the soil map unit soil erodibility index (EI).
4. Determine if site visit is necessary. Schedule one if necessary.	Ask trainee if a determination could not be made on the basis of the techniques described in #3 above. (PHEL soil map units make up enough of the area to not make determination.) Site visit needed.
5. Define slope length (LS) and how it is measured.	Ask trainees to describe LS and to measure it in the field.
6. Determine entries on NRCS CPA-026.	Ask trainee to complete form NRCS CPA-026 items 1 through 10.
Cycle step 4	Complete OJT Module Lesson Measurement of Learning below.
Cycle step 5	Debrief. Trainer addresses any questions and concerns.

OJT Module Lesson Measurement of Learning

Title: 1024 How to complete NHEL and HEL determinations

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
OJT Cycle for Knowledge Step 4	Have trainees complete several example HEL determinations (real or manufactured) and complete AD-1026 as needed. Include at least one PHEL determination in the field. Discuss any questions or problems in making the determination(s). Actual HEL determinations need to be approved through the local District Conservationist.

SF-182

Trainee and/or supervisor access Aglearn to verify completion of the module via its SF-182.