



Fire Protection Training

Procedures Handbook 4300

HANDTOOLS

TOPIC: Wildland Handtools

TIME FRAME: 1 Hour

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: Describe the various types of wildland handtools and identify their common uses.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- Wildland handtools:
- Brush hook
- Double bit axe
- Pulaski
- McLeod
- Round point shovel
- Wire broom
- Appropriate visual aids

REFERENCES:

- Wildland Firefighting, Clayton, Day, McFadden, Chapter 6
- IFSTA, Ground Cover Firefighting Practices, 2nd Edition, Chapter 1

PREPARATION:

A variety of handtools have been developed or adapted for wildland fire suppression operations. When properly maintained and used, they are tremendously effective for checking fire spread.



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PRESENTATION	APPLICATION
<p>I. HANDTOOL CLASSIFICATION</p> <p>A. Handtools May Be Grouped in Accord with Their Primary Use</p> <ol style="list-style-type: none">1. Cutting tools<ol style="list-style-type: none">a. Brush hookb. Single bit axec. Double bit axed. Pulaski2. Scraping tools<ol style="list-style-type: none">a. McLeodb. California Barron tool3. Raking tools<ol style="list-style-type: none">a. McLeodb. California Barron toolc. Wire broom4. Grubbing/trenching tool<ol style="list-style-type: none">a. Pulaski5. Digging tools<ol style="list-style-type: none">a. Long handled round point shovelb. Short handled round point shovelc. Square point shovel <p>II. SAFETY PRECAUTIONS</p> <p>A. When Using</p>	



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<ul style="list-style-type: none">1. Maintain 10 foot interval2. Maintain firm footing3. Watch for obstructions<ul style="list-style-type: none">a. Overheadb. Within arc of swing4. Wear gloves and full safety uniform<ul style="list-style-type: none">a. Pay particular attention when gloves are wet5. Do not allow head of tool to get too near body6. Concentrate on impact area to:<ul style="list-style-type: none">a. Prevent ricochet or glancing blowb. Avoid rocks and other hard objectsc. Avoid hazards<ul style="list-style-type: none">(1) Beehives(2) Electrical wires(3) Barbed wire7. Pace yourself8. Use proper tool for the jobB. When Carrying<ul style="list-style-type: none">1. Grasp at balance point with head forward2. Carry on downhill side3. Carry horizontally (parallel) to the ground	



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<ul style="list-style-type: none">4. Sound off when passing another person with "coming through" and wait for that person to yield right of wayC. When Passing<ul style="list-style-type: none">1. Pass handle (butt) first2. At arms length from other person<ul style="list-style-type: none">a. Never tossD. When Grounding Tool<ul style="list-style-type: none">1. Shield the head of the tool to the extent possible<ul style="list-style-type: none">a. Use tool guards whenever practicable2. Place all crew tools in the same areaE. When Sharpening<ul style="list-style-type: none">1. Secure tool in vise<ul style="list-style-type: none">a. Utilize wooden blocks orb. Newman tool holder2. Use gloves3. Use file with handle and a file guard in place4. Rest the palm of the hand on the tip of the file<ul style="list-style-type: none">a. Do not wrap the fingers over the tip of the file5. Sharpen in a motion away from the body6. Remove tools from the vise if leaving the area7. Make visual check for sharpness, don't run finger across blade	



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<p>F. When Storing</p> <ol style="list-style-type: none">1. Store in a clean, cool, dry area2. Store in a secure area or in the proper compartment3. Separate in-service and out-of-service tools4. Always keep the tool guards in place5. Secure tools properly in tool racks	

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SUMMARY:

In order for the firefighter to effectively prepare for wildland fire handline construction; they must be able to identify the wildland handtools, and know the various situations in which they can be used.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).