

Agricultural Safety Program

Training Module: Portable Fire Extinguishers

Objective: To know how to identify the types of fire extinguishers and be able to properly usethem.

Trainer's Note: All fires are not the same. Know which fire extinguisher units to use for each type of fire. Point out the placement of all units. Have units available for the training session. Discuss how to read the label, select the proper unit, and how to operate, inspect and maintain it. Let employees practice using an extinguisher.

Background

Fire extinguishers can put out or control a fire until help arrives. Use portable units as first-aid or emergency units on small fires or in the initial stages of the fire. The discharge time on most portable units is only seconds, so plan an escape route. Stay low and avoid breathing the smoke and extinguishing agent. If the fire starts to spread, GET OUT!

Selecting the Proper Fire Extinguisher:

The universal classification system has four designations for fire extinguishers, class A, B, C, D. Based on the size of a fire to be extinguished and the contained extinguishing agent. A 20B rating is recommended for non-expert user. Combination extinguishers are suitable for more than one class of fire and are marked as such.

Class	Symbol	Type of Fuel
A	green triangle	ordinary combustibles
В	red square	flammable liquids
C	blue circle	electrical equipment
D	yellow star	combustible metals

Location	Size Range (lbs.)	Suggested Placement
Farm Shop	One Unit, (5-10)	Near exit door
Combine	First Unit, (5-10)	Near cab door
	Second Unit, (5-10)	On opposite side of cab at ground level
Baler	One Unit, $(2^{1/2})$	On structural member
Car or Truck	One Unit, $(2^{1/2} - 5)$	Accessible to driver
Barn or outbuildings	One Unit, (5-10)	In an accessible location

The label states the amount of dry or wet chemical contained in the extinguisher. Higher classifications equal greater extinguishing capacity. For example, an extinguisher classified as 4A can extinguish twice as much of a class A fire as an extinguisher classified as 2A. Look for the classification or rating to determine the extinguisher's capacity.

Operating a Fire Extinguisher:

Before you need to use the extinguisher:

- Examine for defeats at time of purchase
- Read the operating instructions on the label.
- Make location of extinguisher known.



- Remove from the mounting bracket by grasping the unit by the carrying handle and the base and carry it to the fire.
- Pull the locking pin to break the tamper seal. If the unit has a hose, remove the hose from its retaining clip.
- Move the extinguisher as close to the fire as possible. Grasp the hose in one hand and press or squeeze the handle or trigger release with the other. (If the unit is a CO₂ extinguisher, grasping the plastic discharge horn may freeze the hand.) If the unit has no hose, direct the stream of extinguishing agent by moving the extinguisher.



- Use a side to side sweeping motion at the base of the flames starting from the near edge to the rear of the fire and then up the vertical surface.
- Always leave an escape route when fighting a fire.

Inspection and Maintenance of a Fire Extinguisher:

Inspect units monthly to ensure good working condition and adequate protection. Rotate the fire extinguisher to keep chemical form caking. Have units inspected annually by state certified individual.

Inspection Procedure:

- Are all extinguishers in their recommended location?
- Is there enough pressure to discharge the contents of the extinguisher (check the gauge)? Replace or recharge the unit as needed.
- Is the tamper seal in tact?
- Is the unit damaged?
- Is the hose and nozzle unobstructed?

- Be prepared. Read the unit label before you need to use it for a fire.
- Inspect fire extinguishers **monthly** for proper functioning.
- Ensure that all designated locations have a fire extinguisher.



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1. Fire extinguishers can be used to fight a major fire.	T F	
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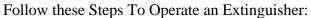
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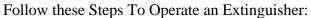
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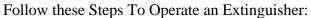
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Class	Symbol	Type of Fuel
A	green triangle	ordinary combustibles
В	red square	flammable liquids
C	blue circle	electrical equipment
D	yellow star	combustible metals

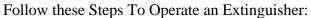
Location	Size Range (lbs.)	Suggested Placement
Farm Shop	One Unit, (5-10)	Near exit door
Combine	First Unit, (5-10)	Near cab door
	Second Unit, (5-10)	On opposite side of cab at ground level
Baler	One Unit, $(2^{1/2})$	On structural member
Car or Truck	One Unit, $(2^{1/2} - 5)$	Accessible to driver
Barn or outbuildings	One Unit, (5-10)	In an accessible location

The label states the amount of dry or wet chemical contained in the extinguisher. Higher classifications equal greater extinguishing capacity. For example, an extinguisher classified as 4A can extinguish twice as much of a class A fire as an extinguisher classified as 2A. Look for the classification or rating to determine the extinguisher's capacity.

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- Move the extinguisher as close to the fire as possible. Grasp the hose in one hand and press or squeeze the handle or trigger release with the other. (If the unit is a CO₂ extinguisher, grasping the plastic discharge horn may freeze the hand.) If the unit has no hose, direct the stream of extinguishing agent by moving the extinguisher.



- Use a side to side sweeping motion at the base of the flames starting from the near edge to the rear of the fire and then up the vertical surface.
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Inspection and Maintenance of a Fire Extinguisher:

Inspect units monthly to ensure good working condition and adequate protection. Rotate the fire extinguisher to keep chemical form caking. Have units inspected annually by state certified individual.

Inspection Procedure:

- Are all extinguishers in their recommended location?
- Is there enough pressure to discharge the contents of the extinguisher (check the gauge)? Replace or recharge the unit as needed.
- Is the tamper seal in tact?
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- Is the hose and nozzle unobstructed?

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Agricultural Safety Program

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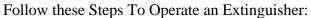
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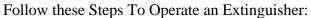
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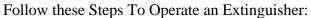
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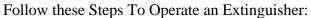
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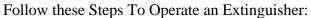
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