

II. Store Management

Topic 31b

What Type of
Personal
Protective
Equipment to
Wear?

FACT SHEET

II. Store Management

Topic 31b: What Type of Personal Protective Equipment to Wear?

There are several types of Personal Protective Equipment (PPE) to wear to protect different parts of the body:



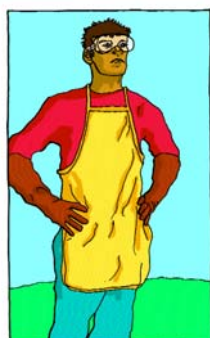
Gloves: To protect the hands. It is best to wear long-sleeve gloves.



Boots: To protect the feet. It is best to wear heavy-duty rubber.



Overalls: To protect the legs, arms, and body. It is best to wear heavy-weave cotton or specialist coveralls.



Apron: To protect the front of the body. It is best to wear aprons made of PVC, rubber, or polyethylene (liquids cannot get through).



Hat: To protect the head and forehead. Be aware that the ears and the forehead are not protected. You can wrap a cloth around your head to protect those parts as well.



Hood: To protect the neck and ears.



Goggles: To protect the eyes.



Face shield: To protect the eyes and face. It is cooler to wear than goggles.



Mask: To protect the nose and mouth. Not recommended for spraying.



Respirator: To protect the nose and mouth.

When to wear what?

Always check the label to learn the appropriate PPE to wear in certain situations.

In general, the following guidelines should be followed:

Situation	Recommended
All situations	Gloves, boots, and overalls.
Preparations	Gloves, boots, overalls, and face shield or goggles. Apron for liquids. Mask or respirator for powder.
Application	Gloves, boots, overalls, face shield or goggles, and hood. Mask or respirator for powder.
Spraying	Gloves, boots, overalls, face shield or goggles, hood, and, for highly hazardous materials, respirator.
Inspecting or attending to unopened containers	Gloves, boots, and overalls.
Moving unopened containers	Boots, overalls, gloves, face shield or goggles, and apron.
Handling opened containers	Boots, overalls, gloves, face shield or dust mask or respirator, and apron

The more toxic a product, the more protective clothing is required.

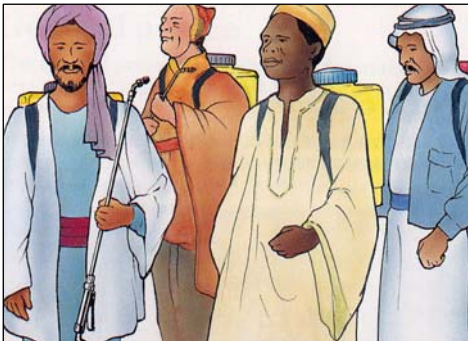
ADDITIONAL INFORMATION

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Topic 31b: What Type of Personal Protective Equipment to Wear?

The **minimum requirement** for all types of pesticide operations is lightweight clothing that covers most of the body. In practice, this includes a long-sleeve upper garment, a garment covering the lower body including the legs, footwear (boots or shoes), and, if spraying high crops, a hat.

Most work clothing is made of cotton or polyester material. The thicker or heavier the material, the better it protects against pesticide penetration. However, this material may be less comfortable. When possible, choose clothing that is made of the thicker/heavier material but is comfortable enough to wear while working.



In some cases, **national dress** gives good coverage of the body and is acceptable as work clothing.

Care of protective clothing

After every spray operation, **hats** and **overalls** should be washed using soap or detergent and water. Wash separately from all other clothing. Protective clothing must be stored separately from civilian clothes. Ensure that all work clothing is kept in good condition (no tears, badly worn areas, or holes).

Gloves must be inspected before use for any signs of wear or tear, particularly between the fingers. Do not touch other parts of the body with gloves during pesticide use. After spraying, wash gloves before removing them from your hands. After washing, remove the gloves and wash and dry them inside and outside before using them again.

Footwear must be washed inside and outside and dried at the end of each day's work. They must be inspected regularly for any sign of damage or leakage and replaced when necessary.



Face shields, safety glasses, or goggles should be examined before use. Wash with soap and water and dry before reuse.

Dust masks must be discarded after use.

Full-face and **half-face respirators** should be cleaned and maintained after use as directed by the manufacturer. Respirator cartridges must be replaced regularly according to the manufacturer's instructions (at least every 3 months), and they should be marked and dated.

Aprons and **rain suits** must be checked before every spray operation for wear, tears, and holes. They must be washed after every use with soap and water.

INSTRUCTIONS

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Topic 31b: What Type of Personal Protective Equipment to Wear?

Materials needed

- Flip-sheet board with flip-sheets
- Markers (1 black, 1 blue, 1 green, 1 red)
- Colored cards for preparations
- 1 pair of gloves (long sleeve)
- 1 pair of boots
- 1 pair of overalls
- 1 apron
- 1 hat (can be a simple cap)
- 1 hood (can be attached to overalls)
- 1 pair of goggles
- 1 face shield
- 1 mask
- 1 respirator

Time needed: 1 hour

- Preparations:**
- Flip-sheet with the heading: *What type of personal protective equipment to wear?*
 - Colored cards listing personal protective equipment:
 - *Gloves*
 - *Boots*
 - *Overalls*
 - *Apron*
 - *Hat*
 - *Hood*
 - *Mask*
 - *Goggles*
 - *Face shield*

- *Respirator*
- Colored cards listing situations:
 - *All situations*
 - *Preparations*
 - *Application*
 - *Spraying*
 - *Inspecting or attending unopened containers*
 - *Moving unopened containers*
 - *Handling opened containers*

Set up

- Attention:** Display all personal protective equipment on a table in front of you.
- Title:** Tell participants the title while showing the flip-sheet with the title: *What type of personal protective equipment to wear?*
- Credibility:** Explain your experience with PPE.
- Objectives:** We just learned how agri-inputs can enter the body and the consequences. During this session, we will discuss how to protect ourselves.
- Benefits:** If you know what equipment to wear, you can better protect yourself and avoid accidents.
- Direction:** During this session, we will focus on what type of PPE to wear for certain occasions. We will not discuss how to wear the equipment.

Delivery

Explanation, Demonstration, Exercise, and Guidance:

1. Divide participants into 5 groups. Make sure that in every group there is at least one person literate. Give each group **2 types of protective clothing**. Every group should discuss:
 - a. How is this type of equipment called?
 - b. What does it protect?
2. The groups should write the answers in their notebook. Allow 5-10 minutes for discussion.
3. **Discuss the results.** Ask group 1 to give to you one of the equipment. Hold it up so everyone can clearly see it. Ask group 1 what it is and what it protects. Repeat the answers. Hold the colored card with the name of the item in the other hand so participants can clearly see the equipment and the colored card. Paste the card on the wall and continue with an equipment of group 2. Discuss all equipment.

Note: If you have enough space, you can also lay the equipment on a table and put the colored card in front of the equipment. Make sure everyone can see it.

4. When all equipment is discussed, repeat the names of all equipment by reading the colored cards on the wall.
5. Ask participants how they know what to wear. They can read it on the label. Ask where they can find it on the label. It is written on the toxicological band. Emphasize that for every product and every situation there are different guidelines, but there are some **general guidelines**.
6. Tell them that you are going to give them cards with a **situation** on it. Each group has to discuss what type of protective clothing to wear in that situation. Give an example: *All situations*. Ask: what should you always wear no matter what you do? This will be the gloves, boots, and overall. Show the equipment and repeat that this is what they should always wear.
7. Distribute the rest of the cards among the groups (one group will have 2 cards, the rest will have 1 card).
8. Discuss the results. Ask a group to read the situation and let them give advice on what protective clothing to wear. Ask if other groups agree. Probe by asking: Is this true for all products? Also for liquids? Also for powders? If all groups agree, show the equipments and repeat again the situation. The results should be as follows:

Situation	Recommended
All situations	Gloves, boots, and overalls.
Preparations	Gloves, boots, overalls, and face shield or goggles. Apron for liquids. Mask or respirator for powder.
Application	Gloves, boots, overalls, face shield or goggles, and hood. Mask or respirator for powder.
Spraying	Gloves, boots, overalls, face shield or goggles, hood, for highly hazardous materials, respirator.
Inspecting or attending to unopened containers	Gloves, boots, and overalls.
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9. When all situations are discussed, repeat that participants should always check the label on what to wear. The more toxic a product is, the more protective clothing is required.

Finish

Summary: Give a summary using the PPE. Hold each piece up one by one, repeat the name, and tell what it protects. Repeat that they should always read the label to learn what to wear in certain situations.



- Questions:** Ask if anyone has a question or comment.
- Evaluation:** Hold up a few pieces of PPE, and ask what they are and what they protect. Ask how participants will know what to wear in certain situations.
- Next step:** In this session, we learned what types of protective clothing exist and what they protect. We also discussed what to wear in certain occasions. In the next session, we are going to discuss how to wear the equipment.

Distribute the **fact sheet** to all participants.