

SAFE HANDLING AND USE OF PESTICIDES

a. Purchase

- i. Identify weed, disease, pest and buy the correct pesticides
- ii. Buy original pesticides from reliable and trusted agro dealers (ensure agro-chemicals and containers are sealed in good condition, has NAFDAC number, and not expired)
- iii. Store and keep pesticides away from food and children

b. Handling

- i. Before Spraying
- a. Read and understand the instructions of how to use the agro-chemicals and the sprayer equipment to use.
- b. Use all the correct parts needed for spraying (e.g. spray guard, mini boom, or lance extensions). and select the right nozzle (see instructions on knapsack sprayer).
- c. Personal Protective Equipment(PPE) should be worn before handling any agro-chemical.
- d. Filling the sprayer:
- Before putting agro-chemical into sprayer, make sure that the sprayer is clean, without leakage and working properly.
- ii.Follow the instructions on the label of the agro-chemical manufacturer on how to mix it before use.
- e. Spray in direction of the wind or in the evening.
- f. Do not eat or smoke during spraying
- ii. During Spraying
- a. Spray early in the morning before it becomes very hot and when there is little wind.
- b. test the sprayer to make sure it delivers the right quantity and pattern.
- Set spraying speed and area covered by adjusting spray height and nozzle spacing.
- d. follow the correct spray technique and spray plants thoroughly by running sprayer at correct speed and correct pressure. Maintain a steady pace and uniform coverage.
- iii. After Spraying
- a. It is always better to measure and mix correctly to avoid any left over pesticides.
 In cases of left overs, add extra water and spray around the boundaries of your farm.
- b. Do not pour remaining mixture or wash sprayers and chemical containers in water bodies.
- c. Wash the sprayer with soapy water after spraying.
- d. Dig a hole away from the farm and any living area, fill it with charcoal and carefully pour the wastewater in the hole. Cover the hole with sand.
- Wash yourself thoroughly with water and soap after using agro-chemicals, especially before drinking and eating.

Children and pregnant/breastfeeding women should NEVER handle or apply pesticides

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c. Disposal

- Never reuse empty containers because you, your family, animals and the environment can get seriously contaminated.
- ii. Triple rinse all empty containers immediately after spraying: fill the empty container for 1/4 with water and shake well. Pour the wastewater into your knapsack sprayer.
- iii. Repeat this 2 times.
- iv. Puncture the container at the bottom to avoid reuse.
- v. Bring the container back to the retailer or bury it is a separate disposal pit away from the farm and living area. Cover the disposal pit with sand and place a warning sign next to it.

d. Storing your pesticides

- i. Keep all agro-chemicals away from people and children
- ii. Store them, in their original containers, in safe and ventilated places
- iii. Label all agro-chemicals correctly.
- iv. Keep all agro-chemicals away from food
- v. Do not leave your agro-chemical in the field when not in use.

SAFETY TIPS

If a person becomes contaminated by concentrated agro-chemical or spray mixture:

- wash the affected area with plenty of water
- If the person feels unwell (sickness, headache, dizziness, pains in body), see a doctor and take the agro-chemical label with you and show the doctor
- if help contact is on the product, it can be contacted.

ASSESSING FIELD CONDITIONS

- soil moisture is needed to activate or move some agro-chemical into the soil so that it can kill weeds, so study the product label to see which applies.
- Have enough weed seedlings growing to justify after germination spraying?
- If weeds are suffering from drought, the agro-chemical may not work well and spraying may be a waste of money.
- Are there any susceptible crops next to the plot to be sprayed? In light wind the
- Agro-chemical may drift to neighbouring plots.
- Check the label on the container for the crops in which the agro-chemical is safe to use and do not allow it to fall onto other crops.
- Never spray agro-chemicals closer than one metre to any water course.
- Never spray when the wind is moving small branches of trees and bushes.
- Are conditions too hot for spraying? Under these conditions, the

