

# **STUDENT WORKSHEET: Chemical Safety**

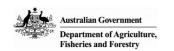
Watch the **Chemical Safety** VR video.

Answer the following questions in the space provided.

1	List three different ways you can <b>prepare</b> for using chemicals on the farm safely.



**3** Explain one way that you can prevent future safety concerns **post-use of chemicals**.











#### STUDENT WORKSHEET: Chemical Safety

Observe the four images below.

- a) Describe the safety precaution that is being taken in each image.
- b) Explain the possible consequences of not taking these precautions.



























## **ANSWER GUIDE:**Chemical Safety

1 List three different ways you can **prepare** for using chemicals safely.

Answers may include:

- storing chemicals in cool, well-ventilated areas away from sunlight
- storing chemicals in their original containers in an area that can be locked
- obtaining PPE including gloves, goggles, respirators and covered clothing
- carefully reading all instructions, labels and safety data sheets provided with the chemical
- using appropriate tools to mix and dilute chemicals in accordance with the instructions provided
- 2 Identify some factors that need to be considered when using chemicals safely.

Answers may include:

- wearing PPE including gloves, goggles, respirators and covered clothing
- following correct procedures for handling and disposing of needles and other sharp objects in a sharps container
- ensuring the correct amount of chemical is being administered
- preventing chemical drift by avoiding windy conditions and using appropriate spray nozzles

**3** Explain one way that you can prevent future safety concerns **post-use of chemicals**.

Answers may include:

- packing away chemicals in a locked, well-ventilated storage shed
- disposing of chemical containers appropriately and in accordance with local regulations
- removing and storing all PPE in a designated area
- washing hands thoroughly with soap and water
- keeping accurate and up-to-date records of all chemical use











## **ANSWER GUIDE: Chemical Safety**

#### Observe the four images below.

- a) Describe the safety precaution that is being taken in each image.
- b) Explain the possible consequences of not taking these precautions.



- a) Chemicals are being stored in a locked shed with clear signage.
- b) Chemicals must be stored securely as they can cause or contribute to a fire or explosion, injure or poison people, or damage property if accessed incorrectly.



- a) Hands are being washed thoroughly with soap and water after chemical use.
- b) Unwashed hands may contain chemical residue. If this residue is transferred to other parts of the body, particularly the face and eyes, it can cause injury.



- a) Protective goggles, covered clothing and a respirator are being worn while using chemical sprays.
- b) Without PPE, chemicals may cause injury or illness by being ingested or by coming into contact with the user's skin or eyes.



- a) A used needle is being disposed of in a marked sharps container. The user is wearing gloves.
- b) Unsafe disposal of needles and lack of PPE (such as gloves) can lead to needle stick injuries.







