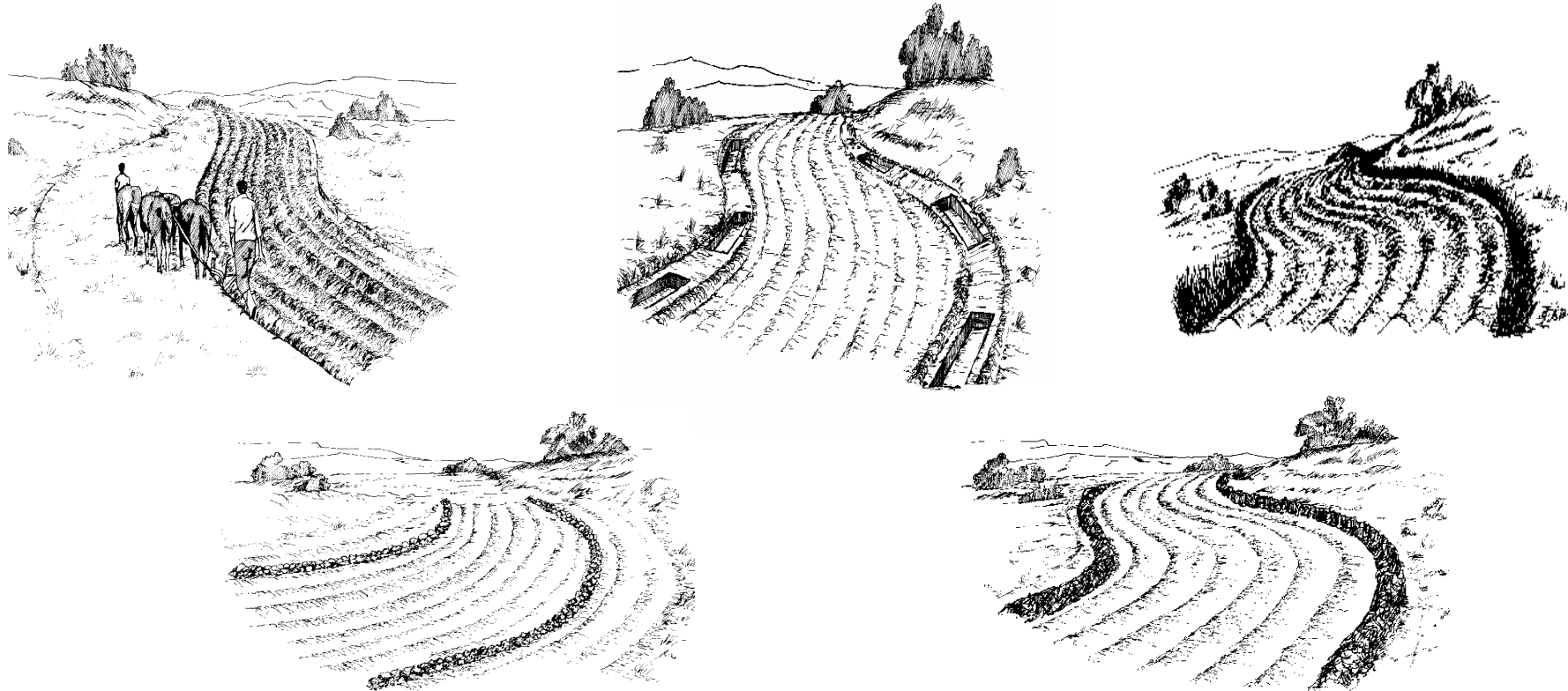


# LAND PREPARATION, SOIL AND WATER CONSERVATION, CROP ESTABLISHMENT AND WEED MANAGEMENT

## MODULE 2: SOIL AND WATER CONSERVATION



**This is the second of 7 training modules**  
**A GROUP EXTENSION GUIDE USING PICTURES**

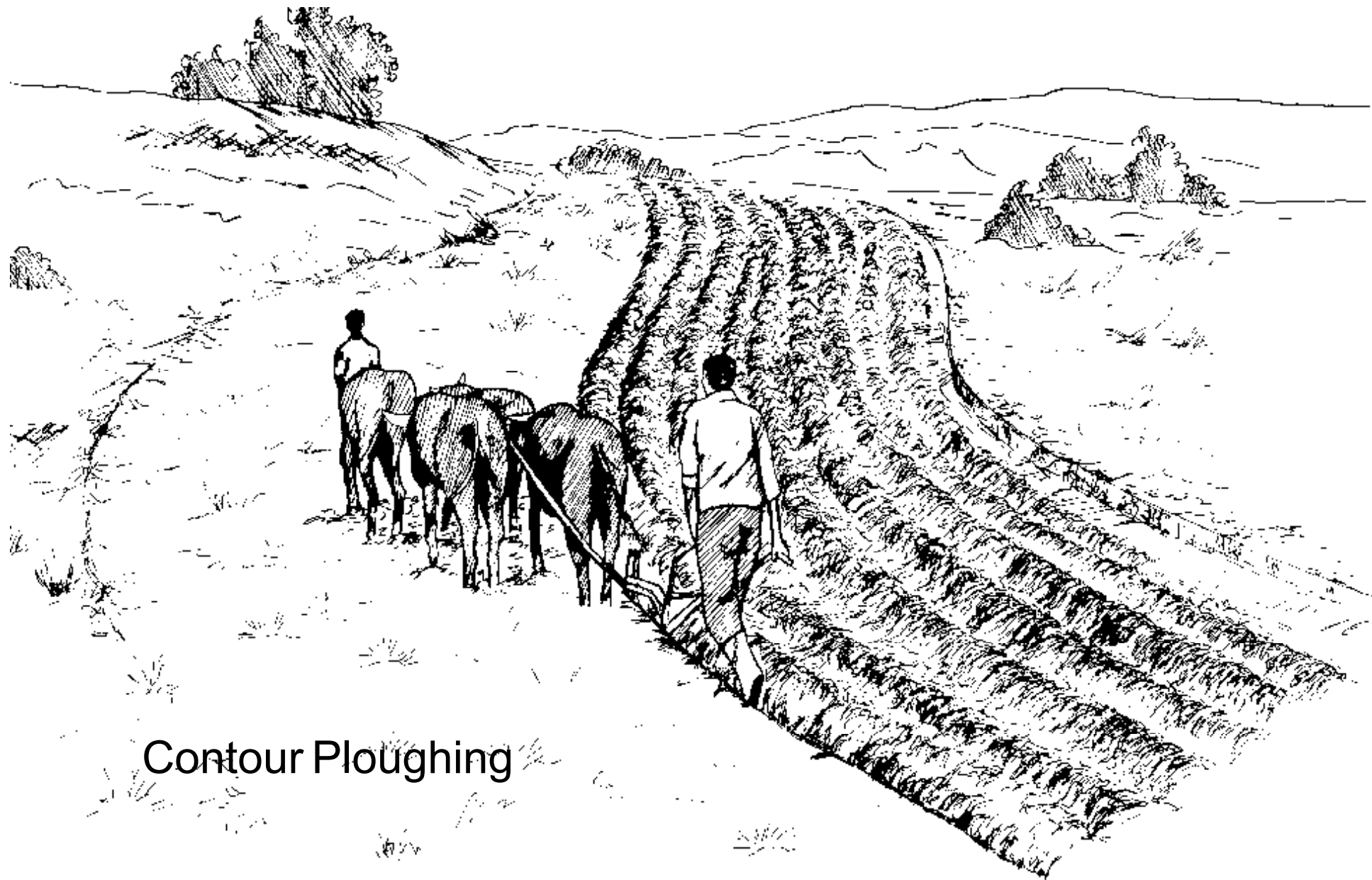
## Picture SC 1: Contour ploughing

**Question:** Do you recognise what this picture is?

**Answer:** This is a picture of ploughing along the contour.

**Explain:**

Always plough on the contour in preference to up and down the slope. This helps in reducing soil erosion



## Contour Ploughing

## **Picture SC 2: Earth banks on the contour and ditches to trap water dug in the contour**

**Question:** Do you recognise what this picture is?

**Answer:** This is a picture of earth contours, with infiltration ditches dug to trap water during rains.

**Explain:**

It is important to construct contours across the slope to collect and discharge run-off water safely. These can be pegged and constructed at a grade of 1:250, or be dead level. Digging trenches in the contour as shown in the picture will help in catching the run-off water and making it available to crops growing below the contour.



## Picture SC 3: Vegetative barriers

**Question:** Do you recognise what this picture is?

**Answer:** Grass growing on the contour.

**Explain:**

Instead of constructing contour bunds, grass can be left to grow or especially planted on the contour. This will help in slowing run-off during storms and catching soil that has been washed down the slope. Vetiver is a grass that may be available in the area for planting



Vegetative barriers

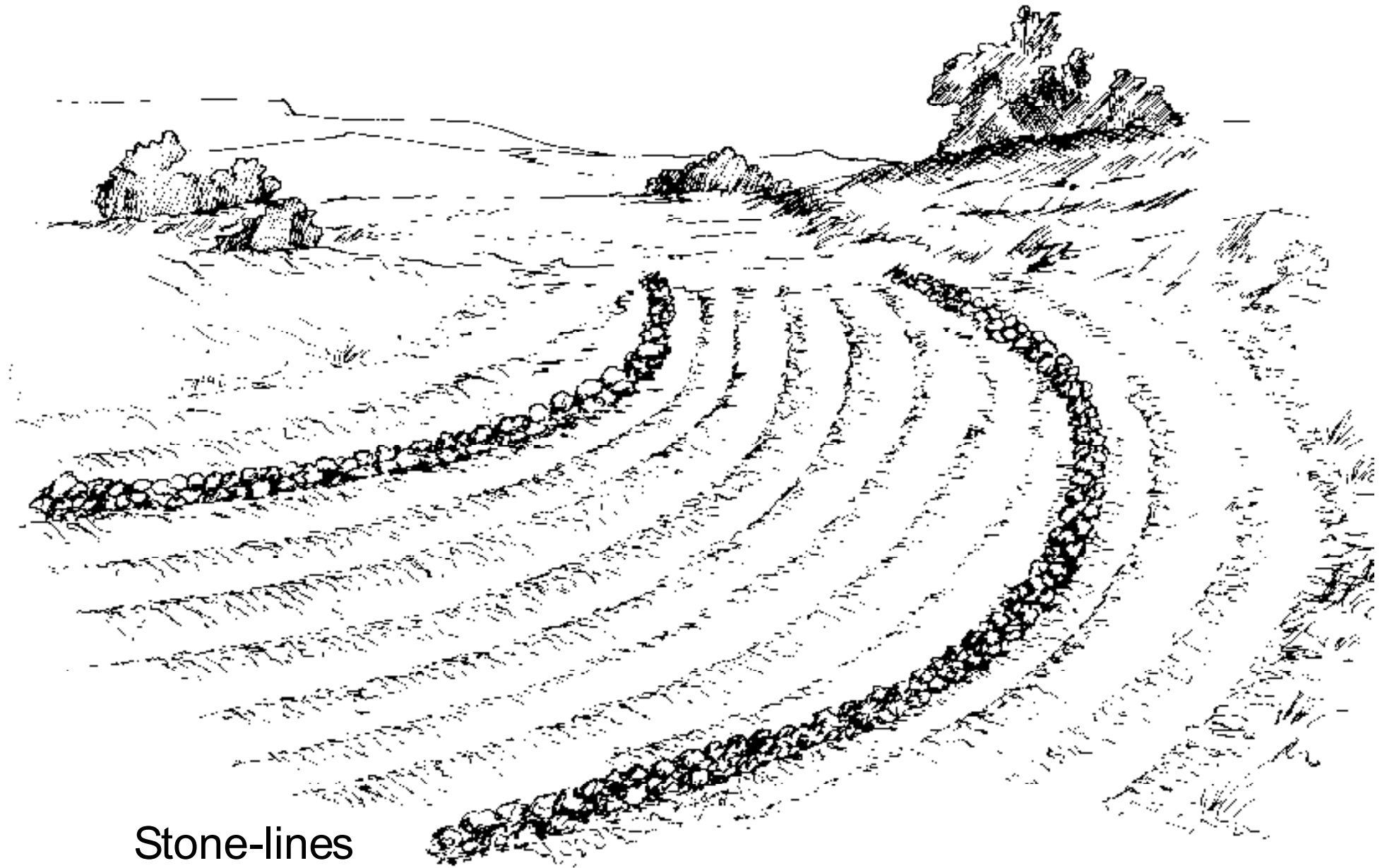
## **Picture SC 4: Ploughed land between stone lines**

**Question:** Do you recognise what this picture is?

**Answer:** Stones piled on the contour. Ploughed land between contours.

**Explain:**

If there are lots of stones in the lands, these can be picked up and placed on the contour.



Stone-lines

## Picture SC 5: Ploughed land between trash lines

**Question:** Do you recognise what this picture is?

**Answer:** Trash (weed and crop residues) left on the contour. Ploughed land between contours.

**Explain:**

Crop residues, weeds and other trash can also be placed on the contour to collect soil that is washed down the slope.

## Trash-lines



Crop residues  
and weeds