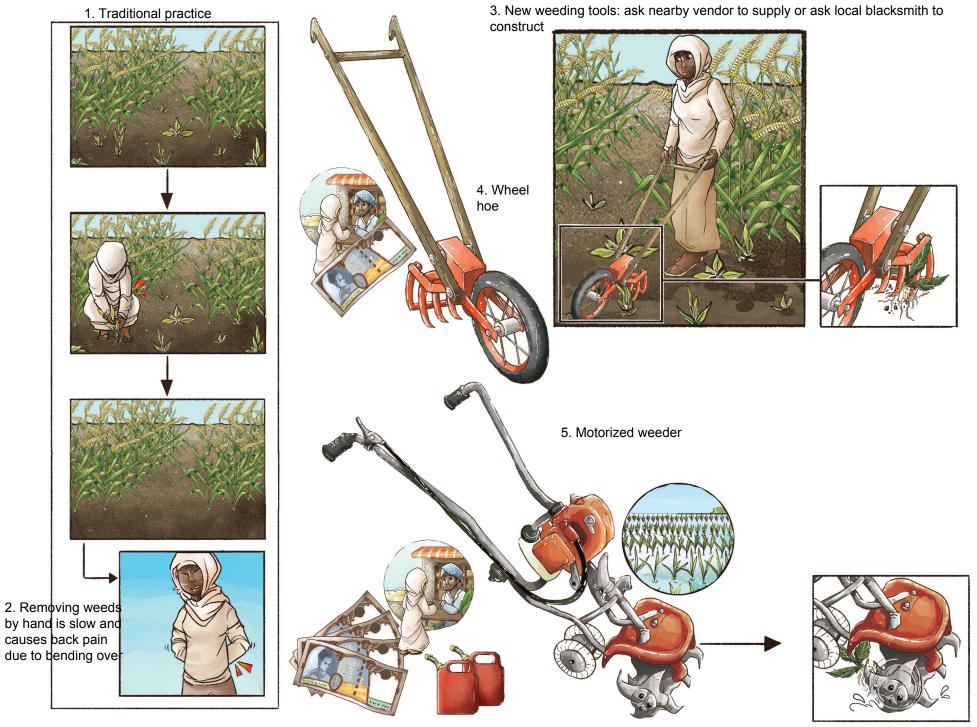
Lesson: Lesson: Kneepads can reduce pain at knees and prevent knees from becoming wet or cold such as during weeding



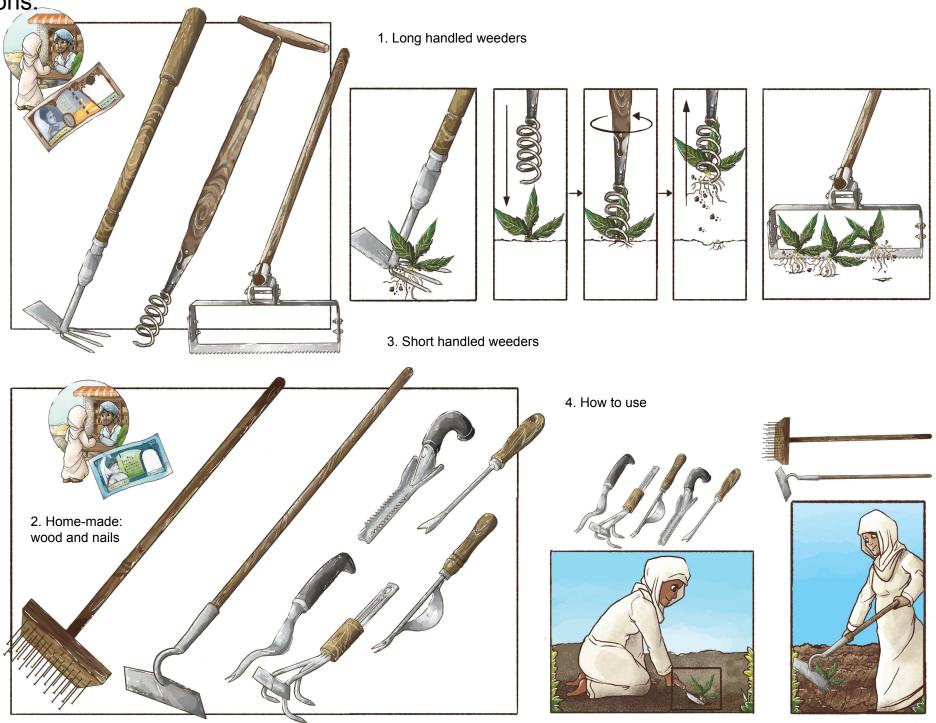


Lesson: New tools to reduce drudgery of hand removal of weeds



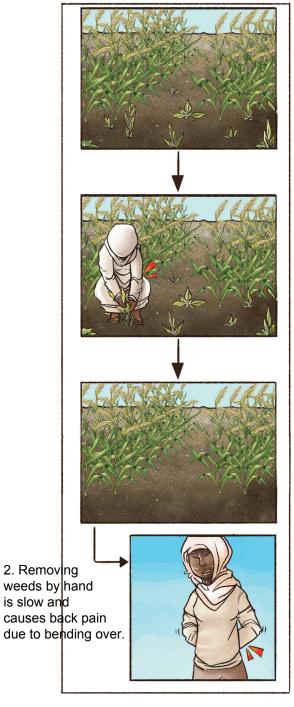
Lesson: New tools to reduce drudgery of hand removal of weeds: Long-handled, medium cost

options.



Lesson: New tool to reduce drudgery of hand removal of weeds: Fork weeder.

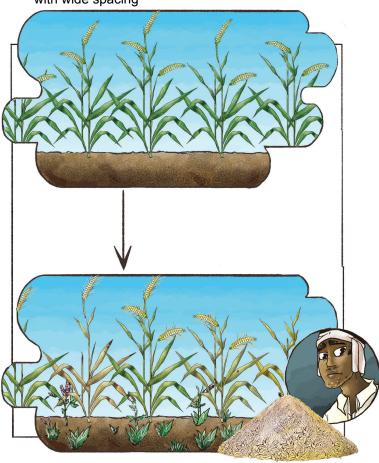
1. Traditional practice





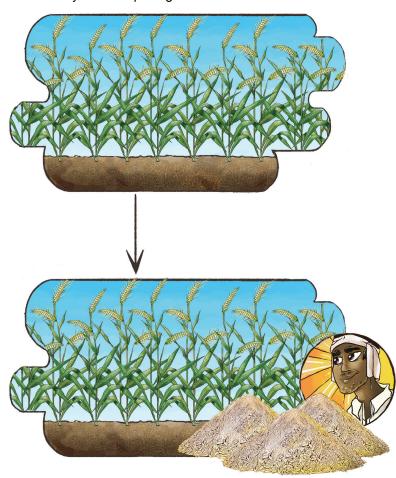
Lesson: Sowing crops at a high density can suppress weeds

1. Traditional practice: sowing crops in rows with wide spacing



2. Weeds grow, low yields

3. Improved practice: sow crops in rows with very narrow spacing

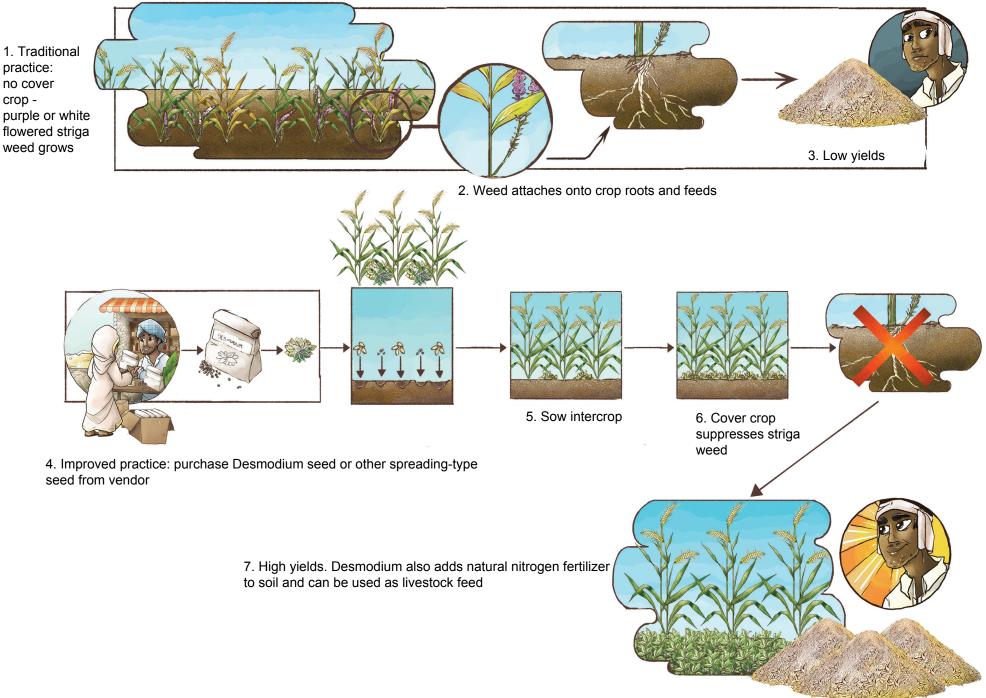


4. Fewer weeds, higher yields

Lesson: Sowing finger millet in a nursery using irrigated water, followed by transplanting, can reduce the weed growth. 2. Improved practice 3. Sow millet seedlings at end of dry season in a nursery and use harvested rainwater for irrigation 1. Problem: weeds (red flower) reduce yield of millet 4. Transplant seedlings to field at start of rainy season 5. Since millet plants are large, they outcompete germinating weeds 6. High grain yields Manish N. Raizada, Ph.D.; Lisa Smith, Illustrator

Lesson: To suppress weeds, sow seeds of a spreading type crop or forage in between rows of the major crop. The weed suppressing crop should permit trampling. 2. Problem: weeds grow in between rows. 1. Traditional practice is to sow seeds of a sole crop in rows. 3. Drudgery to remove weeds 5. Spreading crop covers the ground and suppresses weeds. 4. Improved practice: in between rows, sow seeds of a spreading type (e.g. cucurbits) 6. Cover crop may be harvested and consumed by livestock as an animal feed or by humans.

Lesson: Parasitic striga weed can be suppressed by intercropping with Desmodium or other spreading-type crops



Lesson: Removing weeds before they produce flowers will reduce weeds in future years

