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Season 4

5. Farmer purchases and sprays pesticides to improve later yields

grown in adjacent plots

13. Crop rotation when cereals and legumes are

Season 1

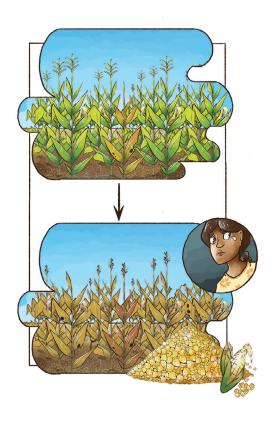
field: there are molds and insects

Season 3

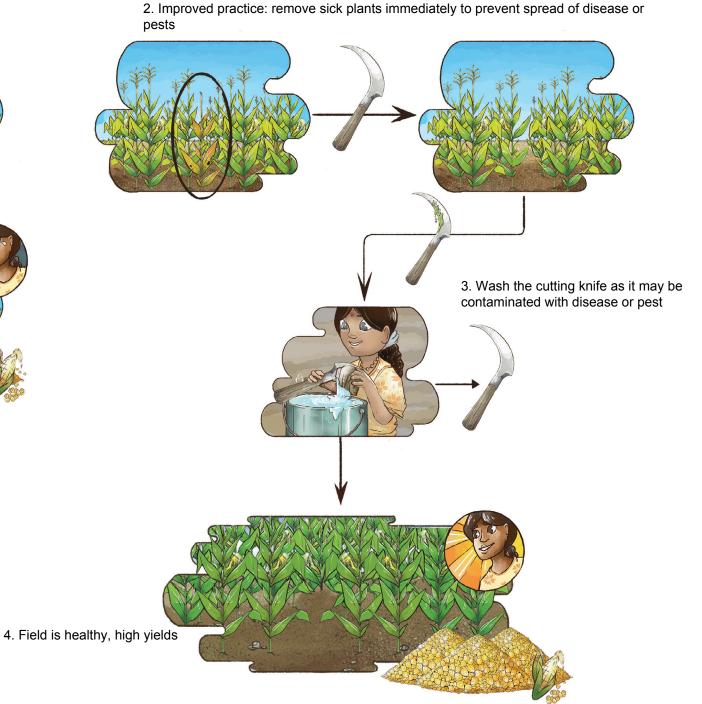
Season 2

Lesson: Constantly visual inspect fields for sick plants and remove them in order to improve

the health of the field



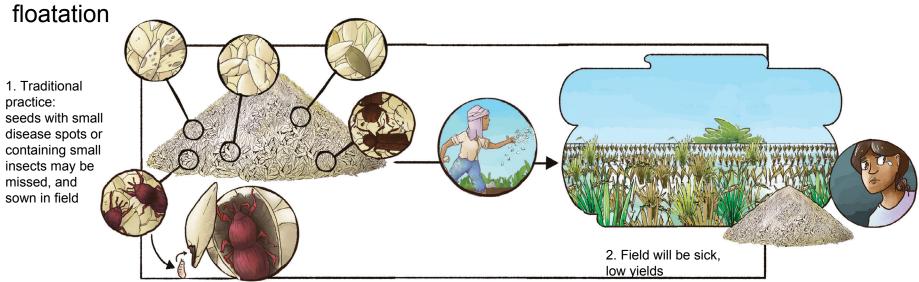
1. Traditional practice: sick plants are allowed to remain in field. Many plants become sick, low yields

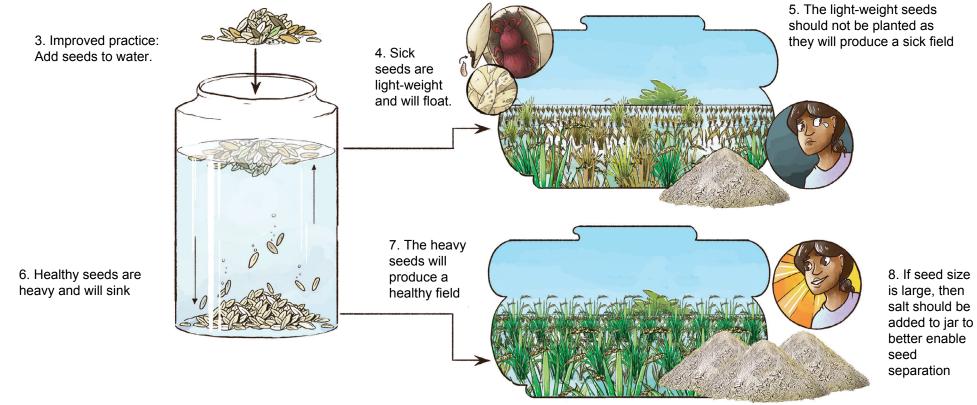


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Lesson: Before sowing seeds, use a magnifying glass/sheet to help remove seeds with disease or pests 1. Seeds for sowing may have small spots or damage due to insects or mold 3. Separate unspotted, undamaged seed 2. Purchase magnifying glass/sheet from vendor 4. Sow health seed only

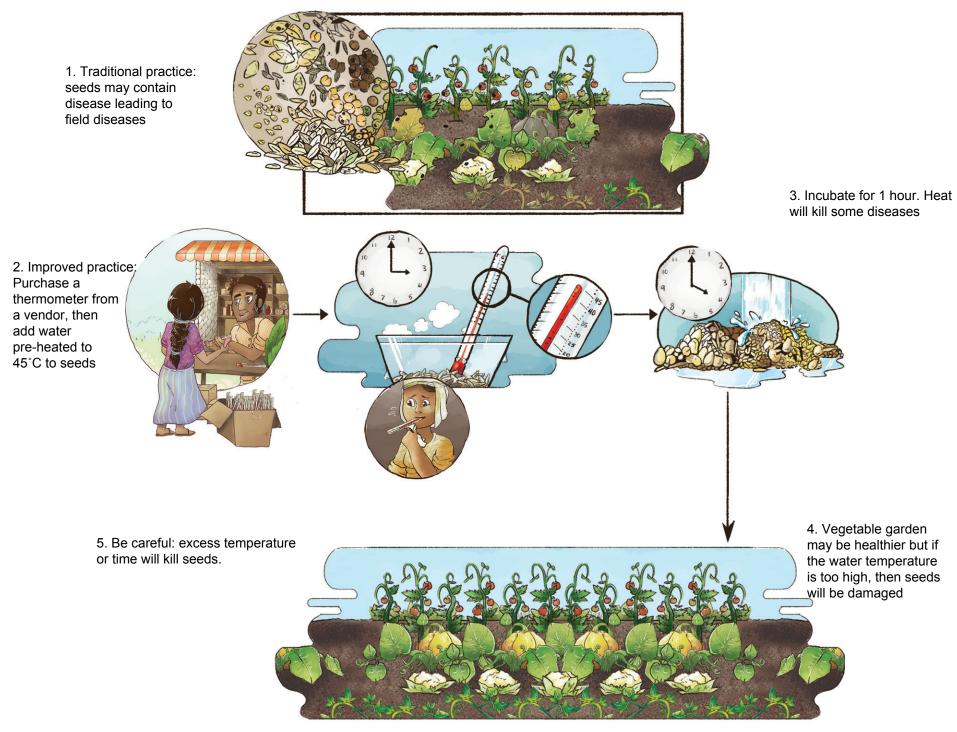
Lesson: Healthy seeds can be easily separated from sick seeds prior to sowing using water





ShiSNV

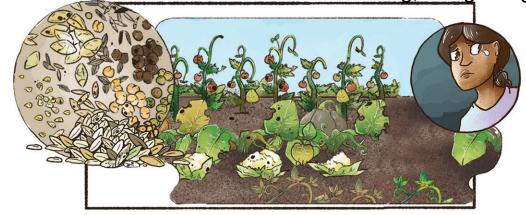
Lesson: Gently heat treating vegetable seeds prior to sowing can reduce crop disease



Lesson: Instead of spraying chemical pesticide or biopesticide in the field, it is less expensive and less

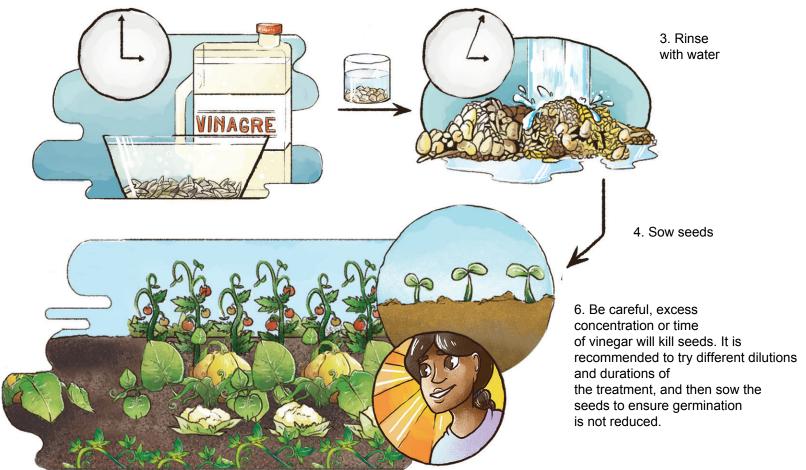
labour to initially remove pests and disease from seeds before sowing, using vinegar.

1. Problem: vegetables damaged by pests and disease



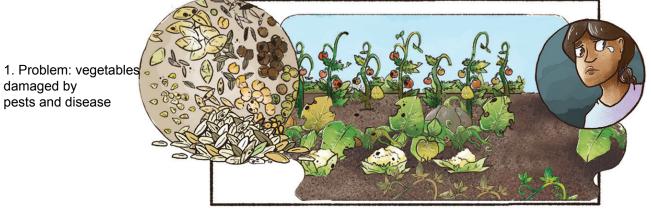
2. Partial solution: soak seeds for a few minutes in vinegar

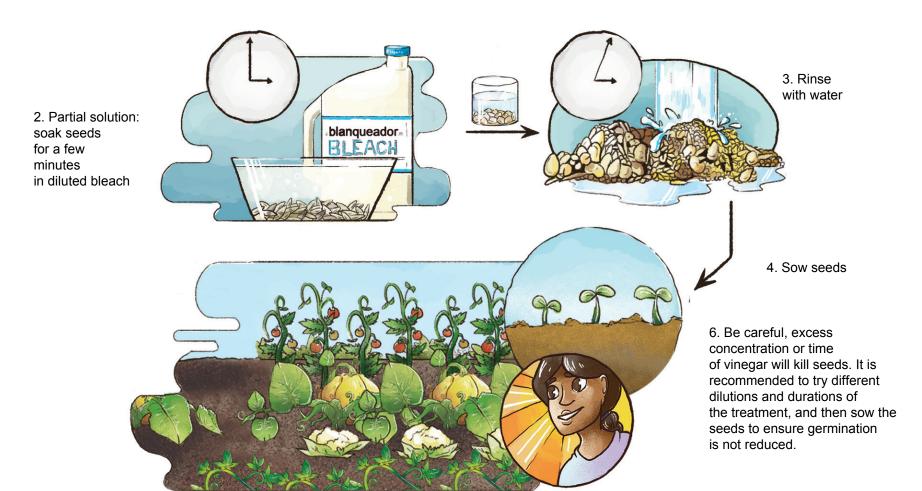
5. Healthier plants



Lesson: Instead of spraying chemical pesticide or biopesticide in the field, it is less expensive and less

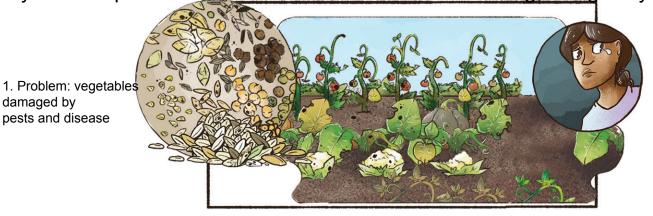
labour to initially remove pests and disease from seeds before sowing, using diluted bleach.

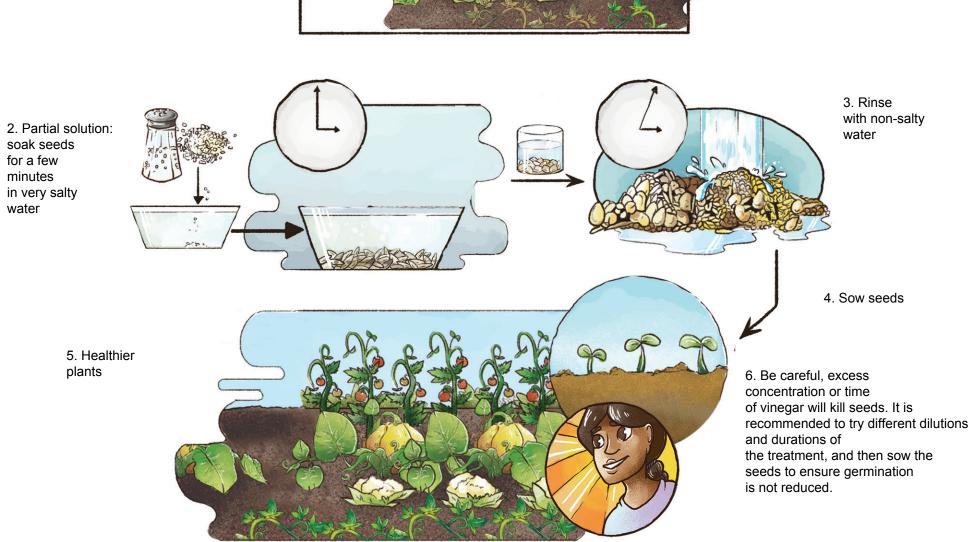




Lesson: Instead of spraying chemical pesticide or biopesticide in the field, it is less expensive and less

labour to initially remove pests and disease from seeds before sowing, using salty water.

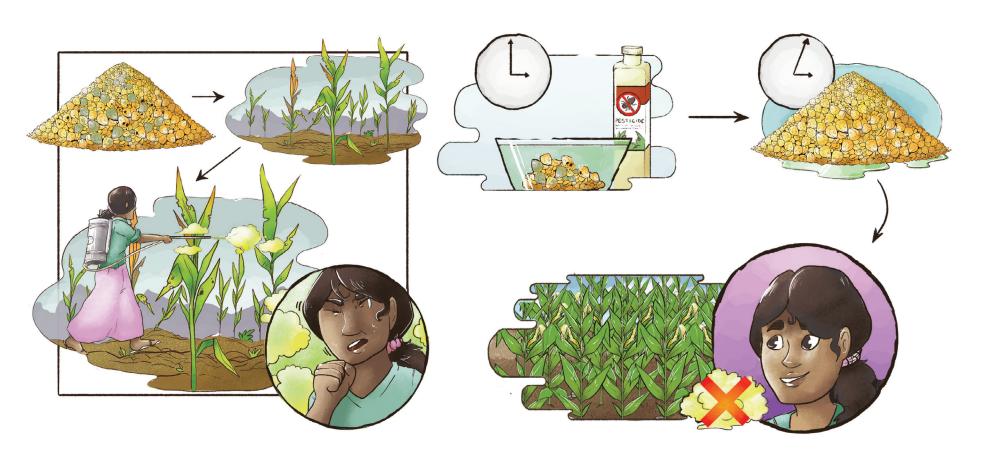




Lesson: Instead of spraying chemical pesticide or biopesticide in the field, it is less expensive and less labour to coat seeds with these chemicals before sowing

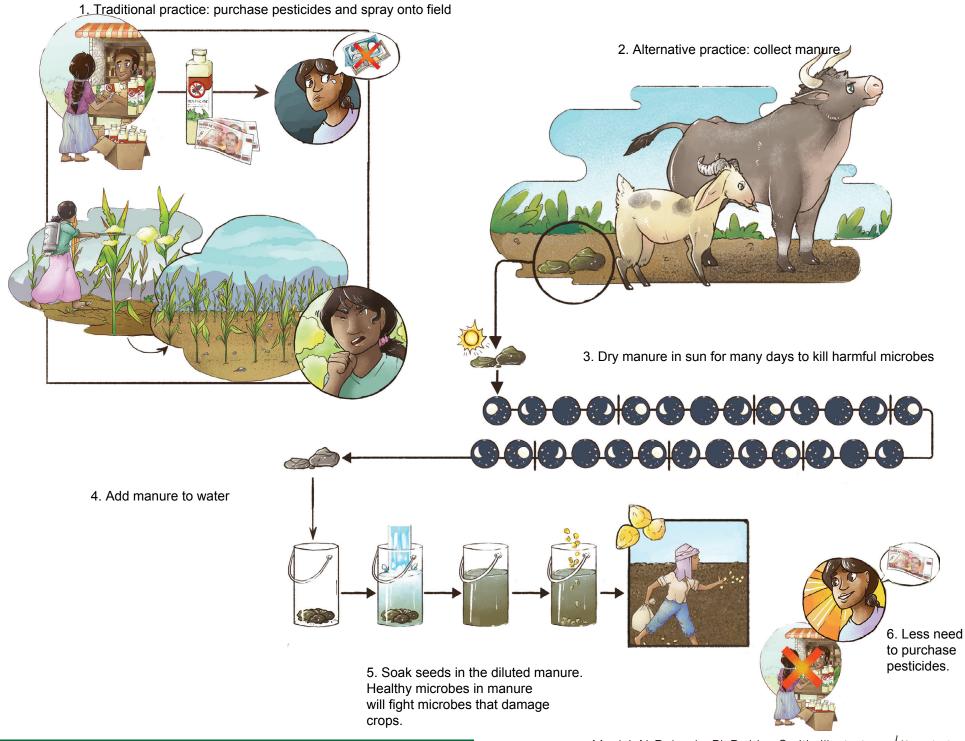
2. Improved practice: soak seeds in pesticide prior to sowing

1. Traditional practice

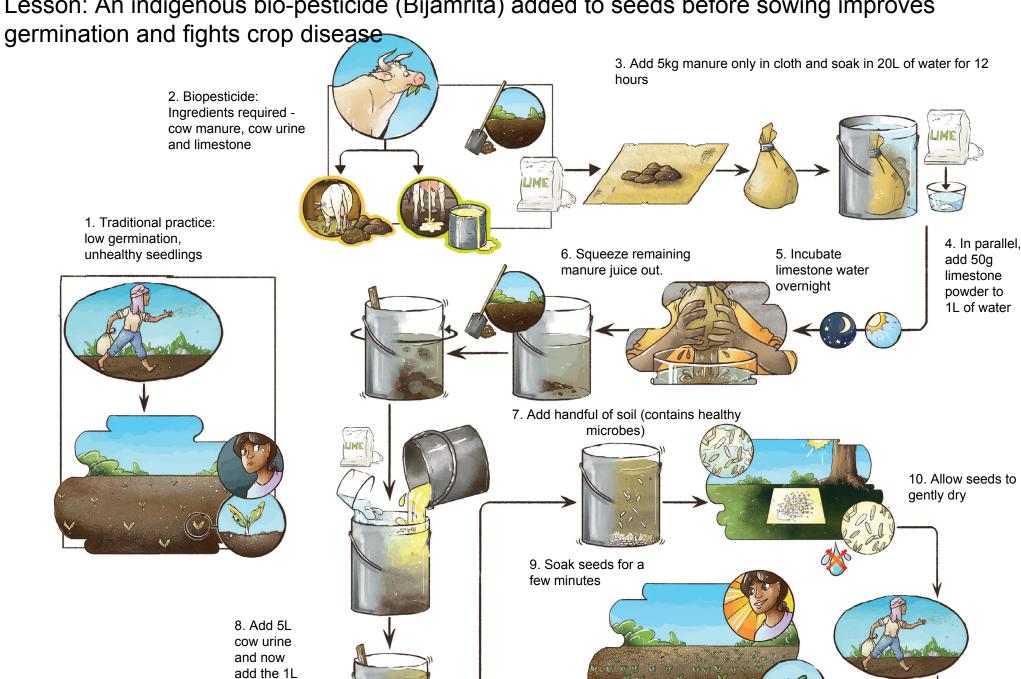


3. Less spraying in the field

Lesson: Manure soaked in water can be added to seeds before sowing to fight crop disease



Lesson: An indigenous bio-pesticide (Bijamrita) added to seeds before sowing improves

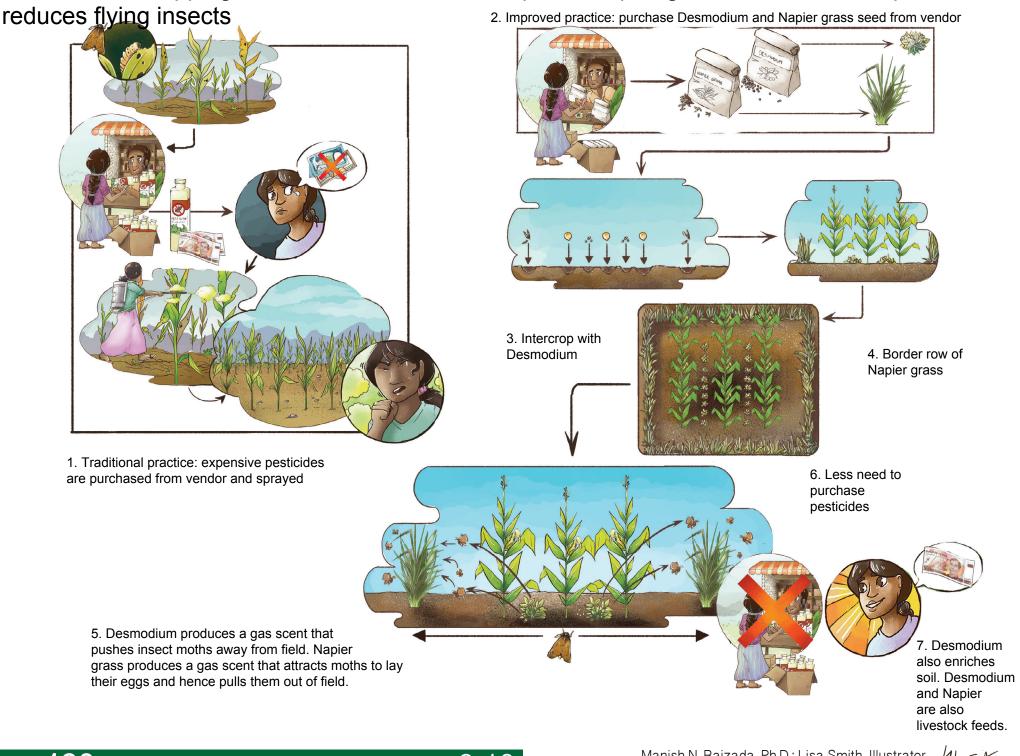


of limestone water, then stir.

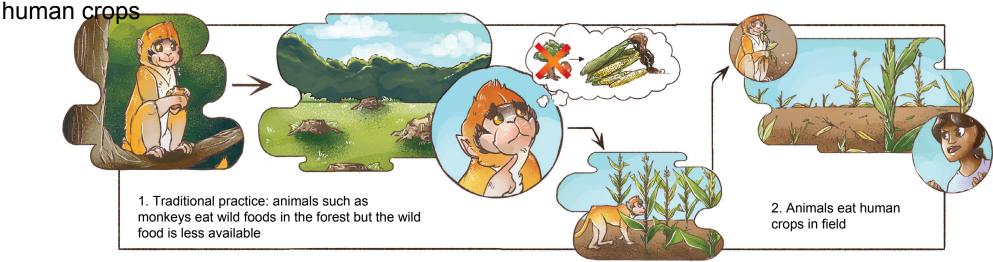
12. High germination, healthy seedlings

11. Sow seeds

Lesson: Intercropping with Desmodium cover crop and Napier grass as a border crop



Lesson: Replenishing the natural foods of wild animals may prevent them from attacking



3. Improved practice: Collect seeds to grow the tree fruits of the wild animals

