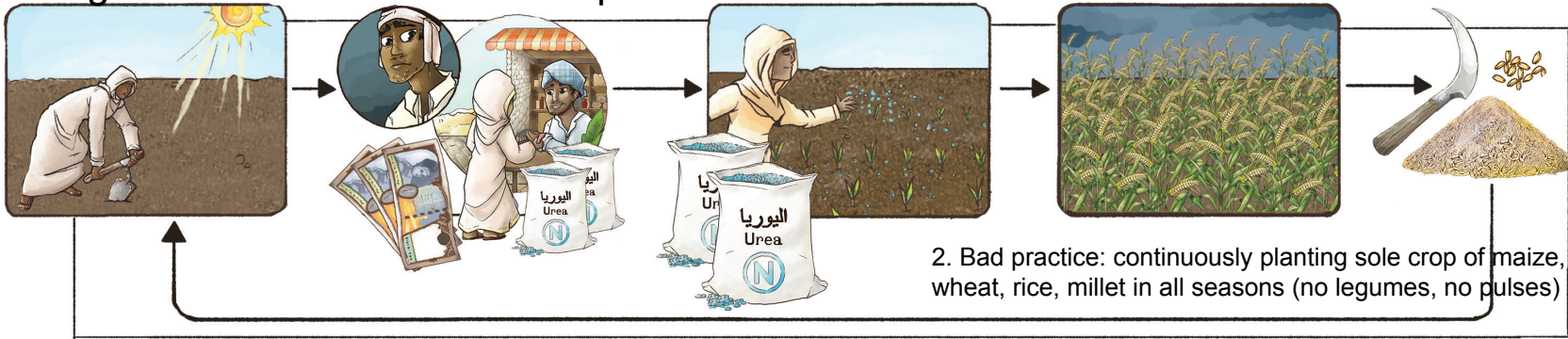


**Lesson: Rotating a cereal crop (e.g. maize) with a legume crop (e.g. beans) will reduce need to purchase artificial nitrogen fertilizer and will reduce pests/disease.**

1. Prepare field and add lots of fertilizer



2. Bad practice: continuously planting sole crop of maize, wheat, rice, millet in all seasons (no legumes, no pulses)

3. Improved practice

4. Prepare field



5. Sow legume (e.g. beans)



6. Harvest legume

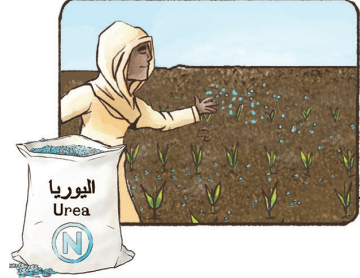


7. Sow cereal (maize, rice, sorghum, millet, etc.)



8. Harvest cereal

9. Purchase reduced amount of nitrogen fertilizer



10. Crop rotation when cereals and legumes are grown in adjacent plots

