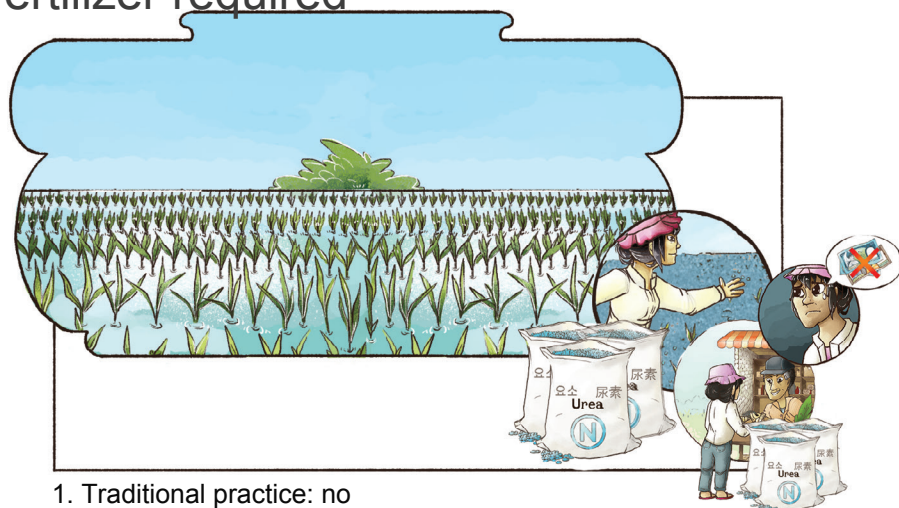
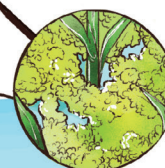
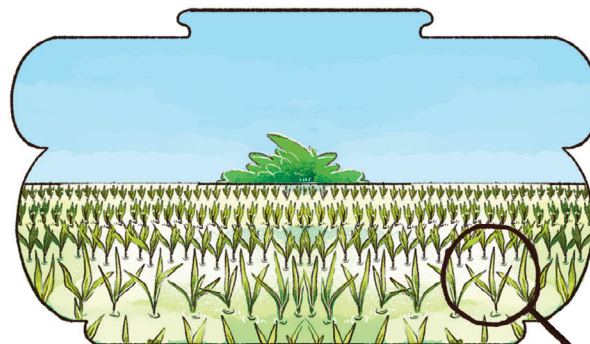


# Lesson: In a rice paddy, water algae called Azolla can reduce the amount of nitrogen fertilizer required



1. Traditional practice: no water algae, and hence many bags of artificial nitrogen fertilizer must be applied

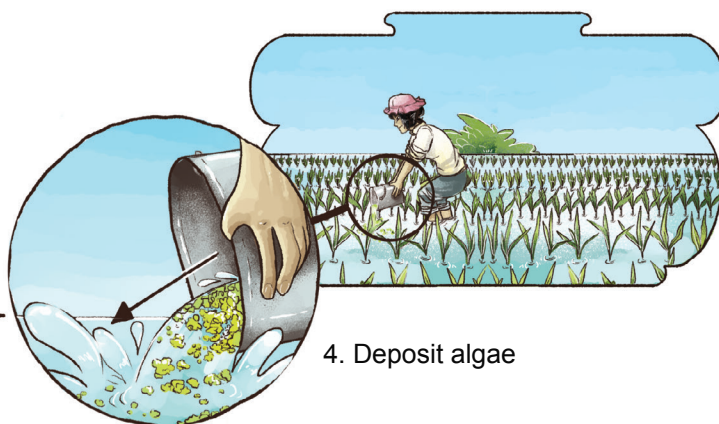
2. Improved practice: go with buckets to rice paddy with green algae



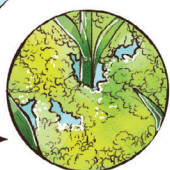
3. Collect algae



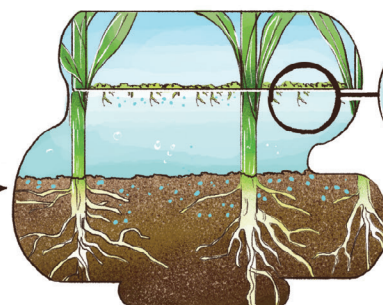
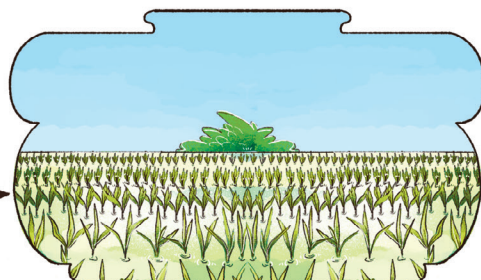
6. Algae associates with microbes to produce natural nitrogen fertilizer



4. Deposit algae



5. Algae will grow



7. Good yield with fewer bags of artificial nitrogen fertilizer needed

