# Scenarios where Smart crop planning can be used

1. **New Farmer Planning Crop Selection**: A first-time farmer inputs their land details, such as size and soil quality, into the app. Based on the insights provided, they select crops that are well-suited for their land type and anticipated yield, ensuring a higher probability of successful farming in their first season.
2. **Maximizing Profit with Market Insights**: A farmer checks the app for yield predictions and real-time market prices before planting. They discover that a specific crop has a favorable market price trend, prompting them to adjust their crop selection for better profitability at harvest time.
3. **Disease Prevention and Treatment**: While inspecting their crops, a farmer notices unusual spots on some leaves. Using the app’s disease identification feature, they take a picture, which diagnoses the disease and suggests effective treatment options, helping to protect the remaining healthy crops.
4. **Efficient Water Management During a Drought**: In a low rainfall season, a farmer uses the water requirement planning feature to understand the exact water needs for their chosen crops. The app suggests efficient irrigation techniques that help them save water while still providing adequate hydration for their crops.
5. **Connecting with Local Buyers**: After a successful harvest, a farmer lists their surplus produce in the app’s marketplace. Local consumers can view and purchase directly from them, reducing food miles, minimizing waste, and providing fresh produce to the community.
6. **Seasonal Planning with Weather Data**: A farmer planning for the next season inputs upcoming weather forecasts and soil data into the app. The app recommends alternative crops or sowing dates based on projected rainfall, helping them adapt to changing weather patterns and maintain productivity.

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