**INPUT / OUTPUT PAGE**

**Input Page (Crop Recommendation Form)**

**Header:**

*Title:* "Enter Your Farm Data"  
*Description:* "Input the following details to receive the most accurate crop recommendations tailored to your farm."

**Input Fields:**

1. **Soil NPK Levels (Sliders or Number Inputs):**
   * **Nitrogen (N):**  
     *Range:* 0-100 (mg/kg)
   * **Phosphorus (P):**  
     *Range:* 0-100 (mg/kg)
   * **Potassium (K):**  
     *Range:* 0-100 (mg/kg)
2. **Environmental Factors:**
   * **Temperature (Number Input):**  
     *Units:* °C (Range: -10°C to 50°C)
   * **Humidity (Slider or Number Input):**  
     *Units:* % (Range: 0% - 100%)
   * **Rainfall (Number Input):**  
     *Units:* mm (Range: 0mm - 1000mm)
3. **Soil pH (Slider or Number Input):**  
   *Range:* 0 - 14
4. **Submit Button:**  
   *Text:* "Get Crop Recommendations"  
   **Use:** Submits data and leads users to the output page with crop suggestions based on the entered parameters.

**Output Page (Crop Recommendation Results)**

**Header:**

*Title:* "Recommended Crops"  
*Description:* "Here are the best crop options based on your farm's soil and environmental conditions."

**Results Section:**

1. **Top Crop Suggestions (Card Layout):**
   * **Crop Name:** (e.g., Wheat, Rice, etc.)
   * **Reason for Suitability:**  
     e.g., *This crop thrives in high nitrogen and moderate rainfall conditions.*
   * **Expected Yield:** Based on the given data.
   * **Water/Fertilizer Suggestions:**  
     Provide tips for improving crop growth.
2. **Additional Data:**
   * Recommendations to balance soil pH or optimize NPK levels.
   * A brief environmental summary showing how the factors you entered influence crop growth.
3. **Try Again Button:**  
   *Text:* "Refine Your Inputs"  
   **Use:** Takes the user back to the input form.