

## OUTPUT:

```
Enter Soil pH level: 7
Enter Soil Moisture level (%): 40
Enter Soil Nitrogen level: 70
Enter Soil Phosphorus level: 60
Enter Soil Potassium level: 30
```

Based on the provided soil, moisture, and nutrient data, suitable crops are:

- Soybean
  - Pest control suggestions for Soybean: Aphids, Japanese Beetle
  - Suggested crop rotation: Cotton
  - Irrigation schedule: Irrigate every 12 days
- Cotton
  - Pest control suggestions for Cotton: Bollworm, Aphids
  - Suggested crop rotation: Maize
  - Irrigation schedule: Irrigate every 14 days

```
Enter Soil pH level: 7.5
Enter Soil Moisture level (%): 35
Enter Soil Nitrogen level: 90
Enter Soil Phosphorus level: 70
Enter Soil Potassium level: 50
```

Based on the provided soil, moisture, and nutrient data, suitable crops are:

- Barley
  - Pest control suggestions for Barley: Barley Yellow Dwarf Virus, Hessian Fly
  - Suggested crop rotation: Peanut
  - Irrigation schedule: Irrigate every 9 days
- Maize
  - Pest control suggestions for Maize: Stem Borer, Armyworm
  - Suggested crop rotation: Wheat
  - Irrigation schedule: Irrigate every 10 days
- Wheat
  - Pest control suggestions for Wheat: Aphids, Armyworms
  - Suggested crop rotation: Soybean
  - Irrigation schedule: Irrigate every 7 days

```
Enter Soil pH level: 5.8
Enter Soil Moisture level (%): 45
Enter Soil Nitrogen level: 60
Enter Soil Phosphorus level: 40
Enter Soil Potassium level: 30
```

Based on the provided soil, moisture, and nutrient data, suitable crops are:

- Cotton
  - Pest control suggestions for Cotton: Bollworm, Aphids
  - Suggested crop rotation: Maize
  - Irrigation schedule: Irrigate every 14 days

```
Enter Soil pH level: 7.5
Enter Soil Moisture level (%): 35
Enter Soil Nitrogen level: 40
Enter Soil Phosphorus level: 50
Enter Soil Potassium level: 60
No suitable crops found for the provided conditions.
```