

User Guide for Farmers

Getting Started

1. Login

- Use your registered email and password to log in
- If you forget your password, use the "Forgot Password" option
- Contact your system administrator if you need account access

2. Dashboard Overview

- View your farm's current status at a glance
- Check weather conditions and forecasts
- Monitor irrigation schedules
- View sensor readings

Key Features

1. Irrigation Management

- **View Irrigation Status**
 - Check if irrigation is currently active
 - See scheduled irrigation times
 - Monitor water usage
- **Manual Control**
 - Start/stop irrigation manually when needed
 - Adjust irrigation duration
 - View irrigation history

2. Weather Monitoring

- **Current Conditions**
 - Temperature
 - Humidity
 - Rainfall
 - Wind speed
- **Forecasts**

- 7-day weather forecast
- Rainfall predictions
- Temperature trends

3. Sensor Data

- **Soil Moisture**
 - Check moisture levels in different zones
 - View historical moisture data
 - Set moisture level alerts
- **Temperature Sensors**
 - Monitor soil temperature
 - Track air temperature
 - View temperature trends

4. Alerts and Notifications

- Receive notifications for:
 - Irrigation system issues
 - Extreme weather conditions
 - Sensor malfunctions
 - Water usage alerts

Best Practices

- 1. Regular Monitoring**
 - Check the dashboard daily
 - Review weather forecasts
 - Monitor soil moisture levels
- 2. System Maintenance**
 - Report any system issues immediately
 - Keep sensors clean and properly positioned
 - Check irrigation equipment regularly
- 3. Water Conservation**

- Follow recommended irrigation schedules
- Adjust settings based on weather conditions
- Monitor water usage reports