

## Vegetable Farm Assistant

### Description

Small farmers make many spreadsheets to help them plan multiple plantings and harvests per year and to keep track of their harvests/profits. Wouldn't it be nice if there was a web app that helped optimize this process and calculate profitability to allow for better business decision making?

### Project details

- Category: General
- Difficulty:
- Suggested stack: Not specified
- Approval status: Approved

### Target users

Logged in user (User)

### Tags

MVP, Notes, Optional

### User Stories

#### Register

As a potential user, I need to be able to register with an ID and password

#### Login

As a user, I need to be able to log in.

#### Upload Harvest Times

As a user, I need to be able to upload a CSV file with seed to harvest times. Data should include: crop, direct\_seed\_to\_harvest\_time . The upload should replace existing data.

#### Edit Harvest Times

As a user, I need to be able to edit harvest times.

#### Upload Transplant Times

As a user, I need to be able to upload a CSV file seed to transplant times. Data should include: crop, direct\_seed\_to\_transplant\_time, transplant\_to\_harvest\_time. The upload should replace existing data.

#### Edit Transplant Times

As a user, I need to be able to edit harvest times.

#### Upload Expiration Times

As a user, I need to be able to upload a CSV file of crop expiration times. Data should

include crop, days to expire. The upload should replace existing data.

#### Edit Expiration Times

As a user, I need to be able to edit expiration times.

#### Upload Crop Plans

As a user, I need to be able to upload a CSV file to outline crop plans for the year. Data should include area identifier, crop, planting date. The upload should replace existing data.

#### Edit Crop Plans

As a user, I need to be able to edit crop plans.

#### Create Fields

As a user I need to be able to create (draw?) fields, select crops to add to the field with specific start dates.

#### Import Data

As a user, I need to be able to import seed to harvest times from online sources.

#### Daily Notifications

As a user, I need to be able to register to receive a daily text or email notification with a summary of the work that needs to be done next/that day. Notifications should include:

- \* Hey, you need to seed the following crops today: carrots, beets, lettuce.
- \* Hey, your tomato and pepper transplants should be ready for field 1 today.
- \* Hey, Field 1 should have peppers ready for harvest soon.
- \* You harvested tomatoes 3 days ago and haven't sold them yet. They are going to go bad soon.
- \* You have lettuce going bad today.

#### Harvest Info

As a user, I need to be able to enter harvest information. Harvest information should include area identifier, crop, and weight/count

#### Sales Info

As a user, I need to be able to input daily sales amounts. Information should include product, amount, how sold (retail, wholesale, etc.)

#### Loss Info

As a user, I need to be able to mark material as lost (shortage, shrinkage, etc.)

#### Waste Info

As a user, I need to be able to enter items as wasted (spoiled, expired, etc.). Items not marked as wasted or sold should be marked as wasted at their expiration date.

## POS

(Optional) As a user, I need to be able to mark items as sold through an interface with Square Point of Sale (POS)

## Weekly Reports

As a user, I need to be able to generate weekly reports. Weekly reports should include sales reports, harvest reports

## Seasonal Reports

As a user, I need to be able to generate seasonal reports. Seasonal reports should include loss/gain per crop or per field, loss/gain/efficiency of different sales channels.