I would suggest the grower these next add on:

1. Adding a sub account. assuming the grower would not be able to take all the measurements by himself. he will have a sub account that will be limited only to insert new data.
2. Map of the field showing the growing status of each area by percent, using the data of years before and known knowledge about the plants.
3. Taking pictures by category (leaf, plant, insects, etc..) in every measurement point once a while. Can be used in the future to compare or even digitally analyse after collecting data.

IUser interface

* First name
* Last name
* Email
* Password
* Phone number

Grower

* Adding the functions to add, remove, update data.

Employee

* Adding the ability to insert new data only by functions

Yield report

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field id | point location | Days passed since first measurement | leaf length  by last measurement | Expected average leaf length (Determined by the days passed since first measurement) | Expected yield on average  (Determined by the plant type) | Estimated yield by the data collected so far |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

The goal of this report is to compare the current status of the fields and the different locations to the plant known average yield. Mostly giving the grower a bigger picture of his fields.

Field healthy report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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|  |  |  |  |  |

The report target is to able the grower to follow the health status of each area and the treatment status of infected areas.

The report will be in the form of a map with red (infected), orange (in treatment) and green (healthy) dots, by pressing the dot the grower can see the insect’s type.