



Precisely Informed Farm Management



Farm Management made **MOBILE**

iCropTrak SOFTWARE Background

- Fielded in 2010 - Same year as the launch of the iPad
- Designed to **Run Fully Disconnected** (No networks)
- **User Customizable Real-time UI and Forms**
- **User Embedded Math in Forms and Dashboard**
- **iPad Computation** vs. Cloud Computing
- Microsoft **Office Custom Report** Templates



Mobile Data Collection

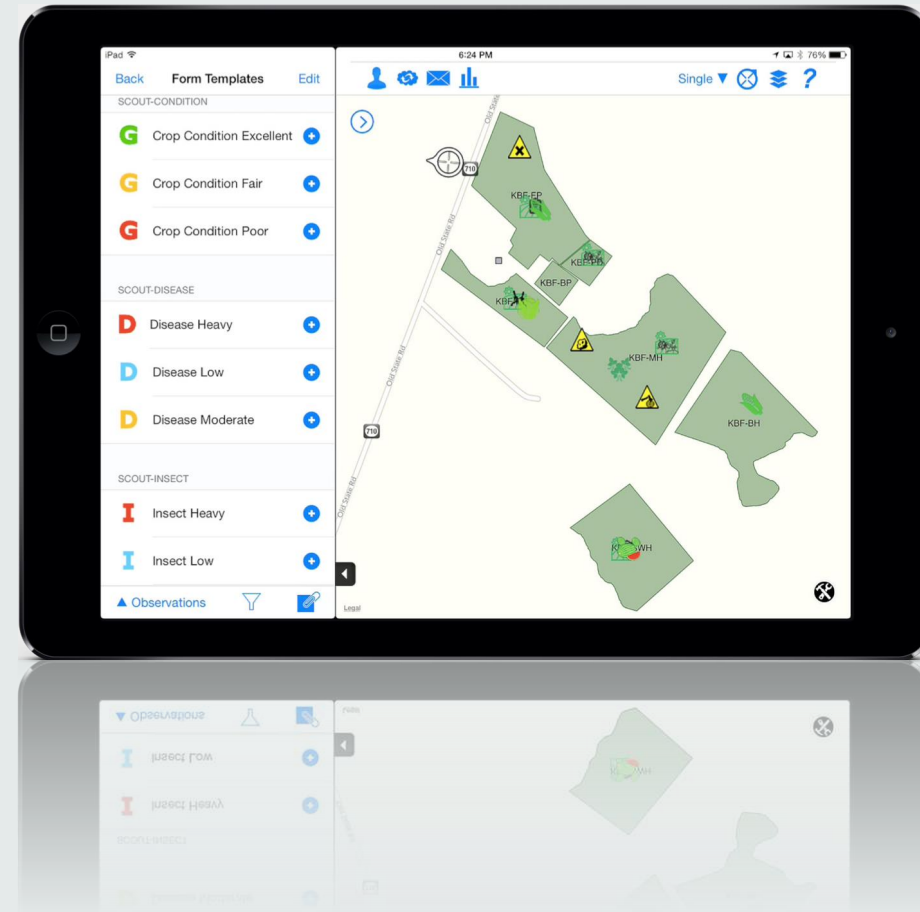
- **User Customizable** Data Forms
- Soil Sampling and **Scouting Optimized**
- **Work Orders** to Assign and Track Work
- **Time Tracking** – People and Equipment
- **Map Center Data Entry** and Display



Rapid & Easy data Entry

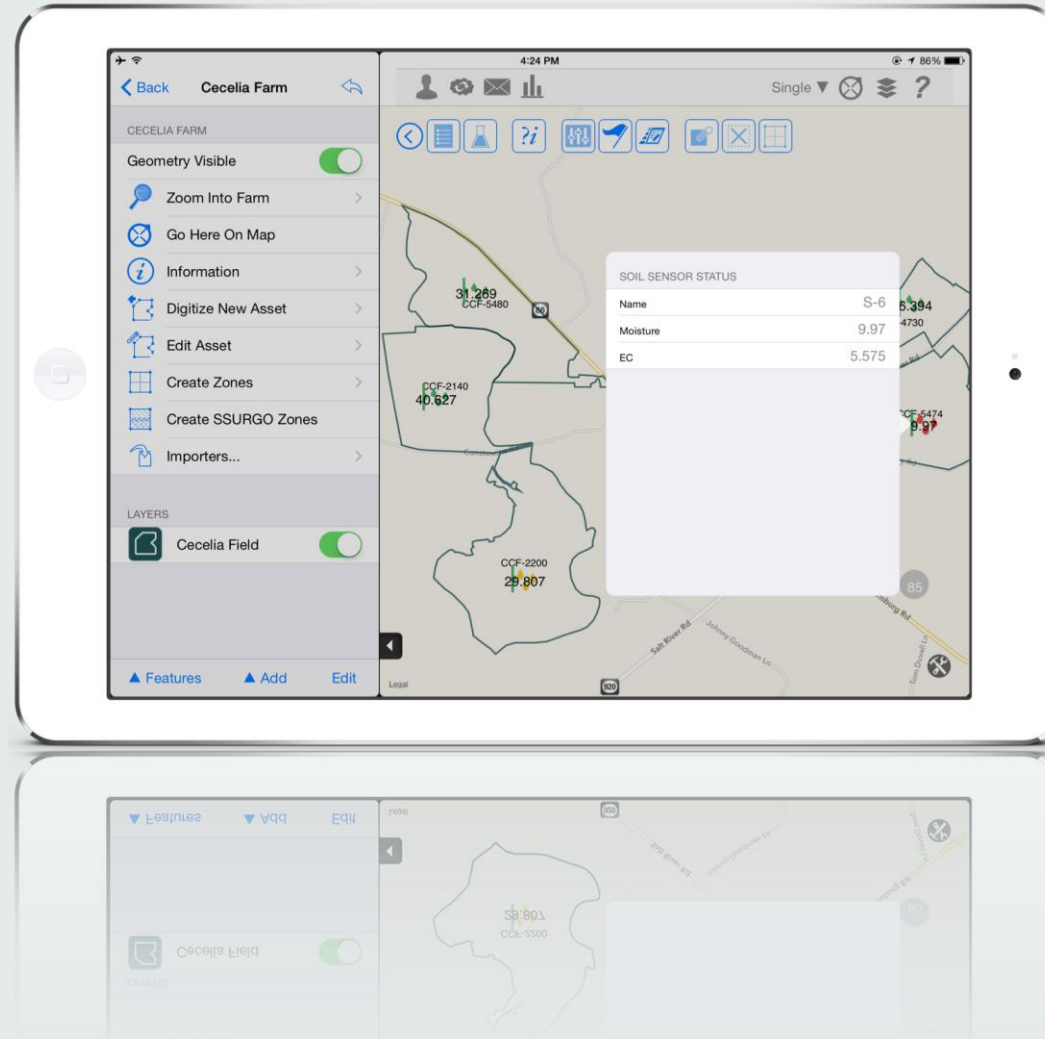
Drag-n-drop & One-Tap GPS

- Crop Scouting
- Work Assignment
- No Field Entry Annotations
- Problem Area Annotations
- Time Tracking
- Recommendations



Auto Data Entry

- Weather Underground
 - Weather
- AgSense WagNet
 - Irrigation
 - Soil Moisture
- Real-Time Status Streams
 - Pumps, tanks, bins, etc.
- Tractor Data Feeds



A green Pioneer 3 mobile robot is parked on a dirt field. An iPad is mounted on top of the robot, displaying a dark screen. The robot has "Pioneer 3" and "SPORTSMAN" written on its side. A black metal frame is attached to the front of the robot. The background is a dirt field with some grass.

Once Data is in iCropTrak Becomes Different?

Data Processing on the iPad - Not in the Cloud

Colorize Complex Data in Real-Time

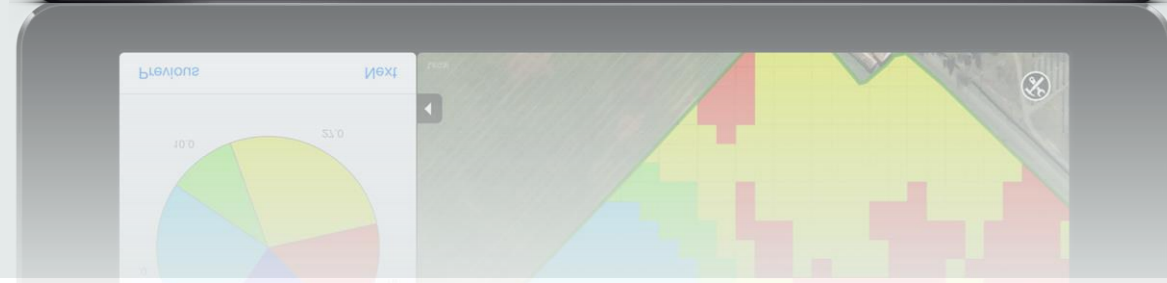
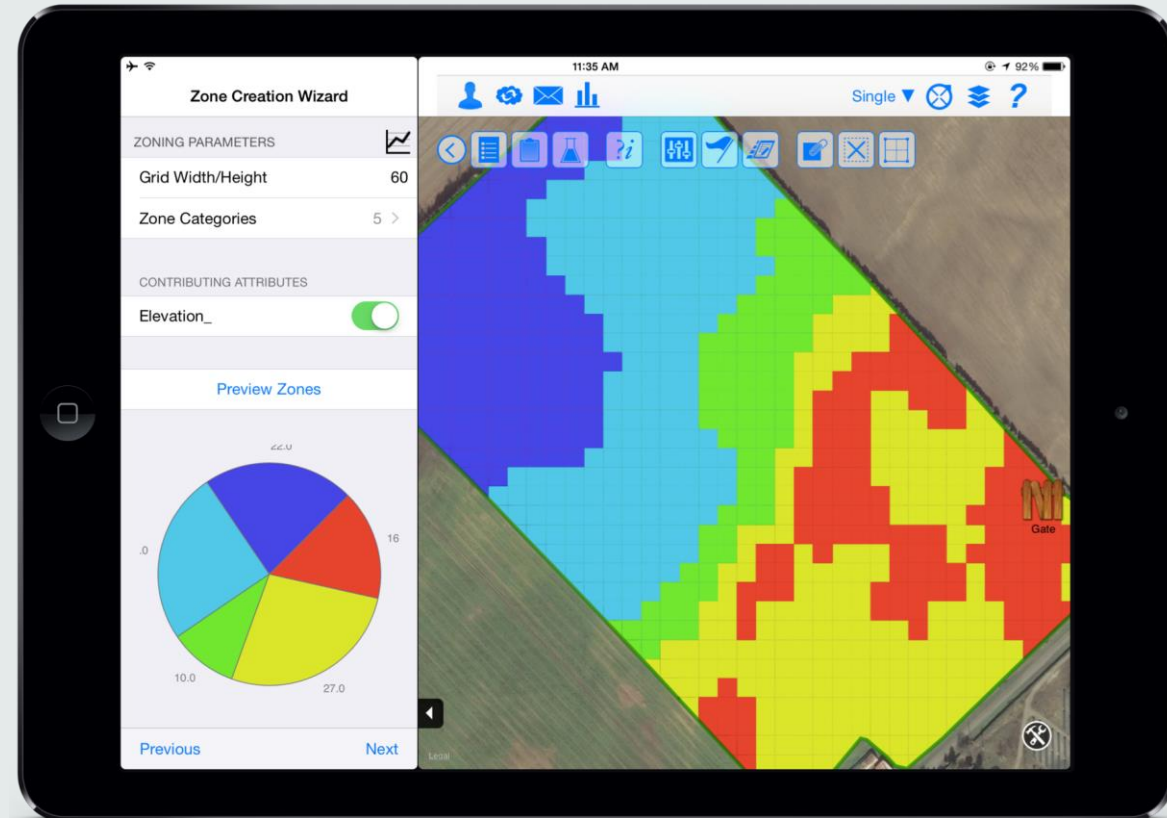
- Color Tractor Reference Data
- Combine and Color Collected Assets Data
- Surface and Color Soil labs Results
- Analyze and Color Real Time Streams
 - Irrigation
 - Pumps
 - Sensors
 - Vehicles



Zone Data on iPad

Zone 1 or More Data Layers

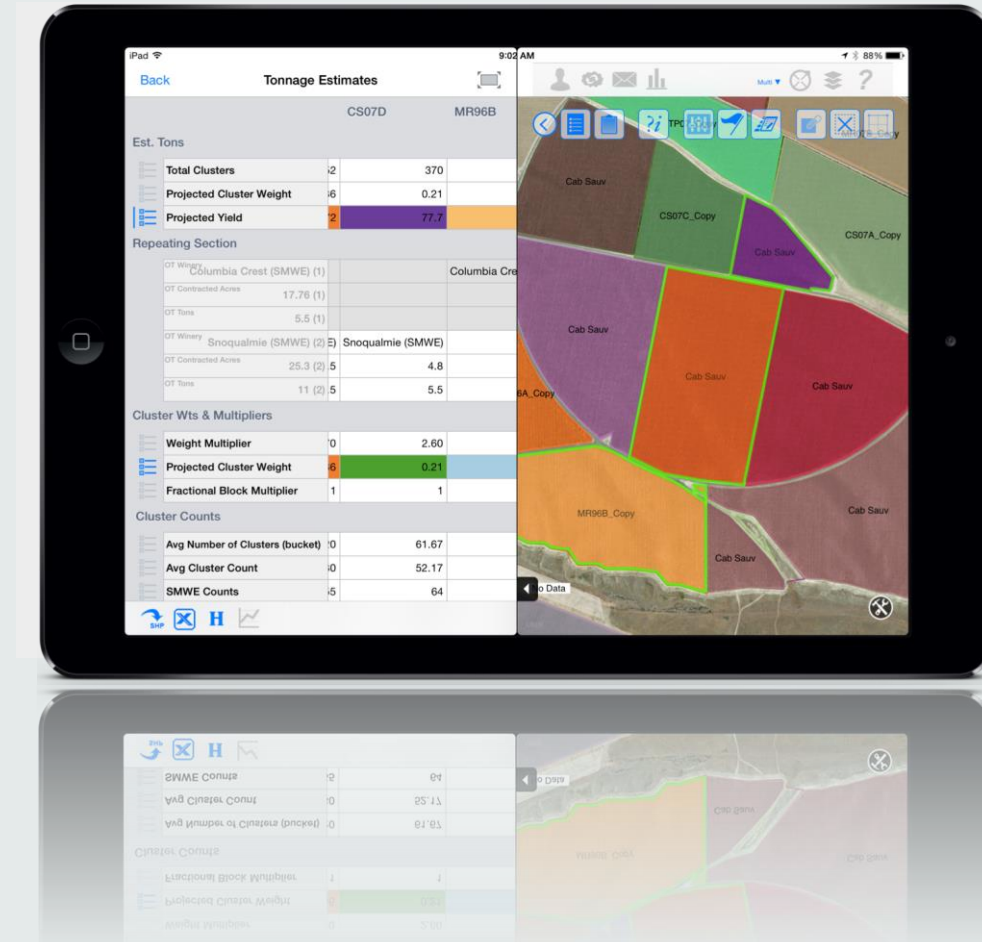
- Tractor Files
 - Plant, Spray, Harvest
- Soil Labs Results
- Elevation Data
- VERIS EC Data
- Create Shapefiles



math on collected Data

Math from Simple to Complex

- Per acres to field
- Unit conversion
- 1/1000th to 1 Ac
- GDDs and Total Rain Fall
- Lab Recommendation Algorithms
- Anything math in Real-time



Excel Like Math In App

- DIRT - New excel grid view
 - Completely User Customized
 - Auto Group items by Type
 - Legend Color Grid
 - Do math on math in form
 - Export to
 - Shape
 - Excel
 - Word Formatted Report

9:02 AM 89%

Back Tonnage Estimates

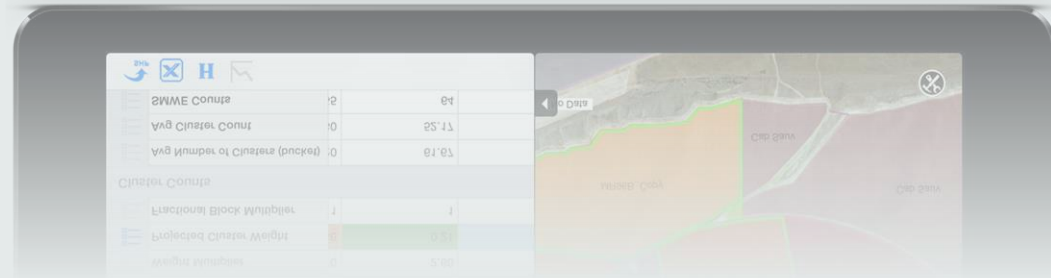
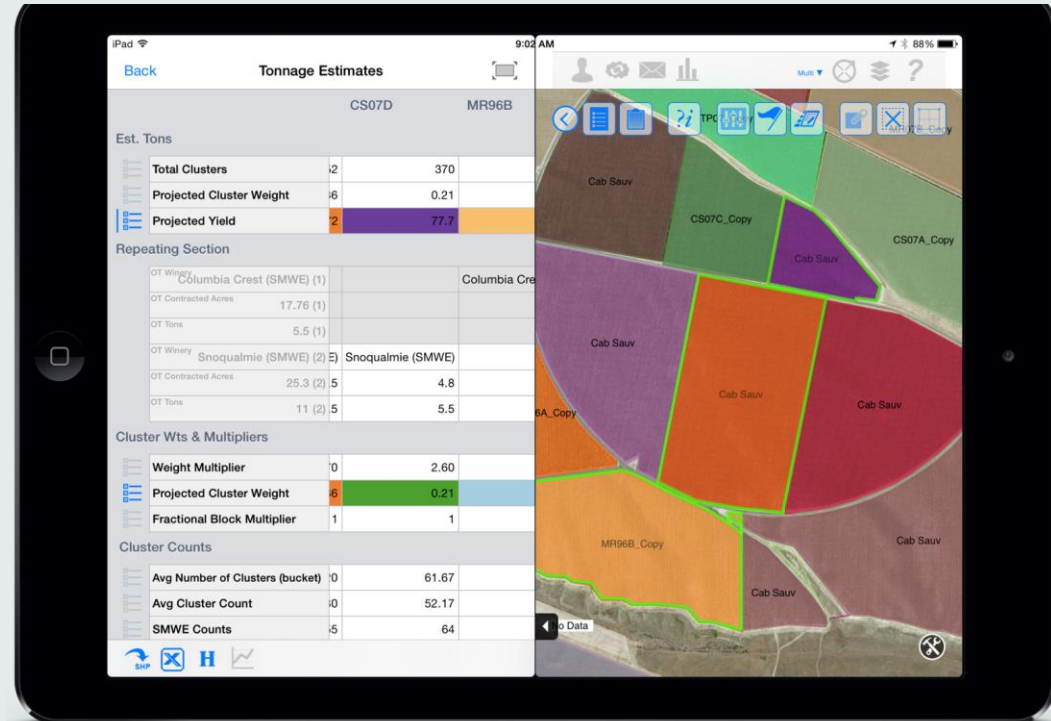
	CS07F	CS07D	MR96B
Est. Tons			
Total Clusters	552	370	481
Projected Cluster Weight	0.36	0.21	0.23
Projected Yield	198.72	77.7	110.63
Repeating Section			
OT Winery Columbia Crest (SMWE) (1)			Columbia Crest (SMWE)
OT Contracted Acres 17.76 (1)			17.76
OT Tons 5.5 (1)			5.5
OT Winery Snoqualmie (SMWE) (2)	Snoqualmie (SMWE)	Snoqualmie (SMWE)	
OT Contracted Acres 25.3 (2)	20.5	4.8	
OT Tons 11 (2)	5.5	5.5	
Cluster Wts & Multipliers			
Weight Multiplier	1.70	2.60	2.30
Projected Cluster Weight	0.36	0.21	0.23
Fractional Block Multiplier	1	1	1
Cluster Counts			
Avg Number of Clusters (bucket)	55.20	61.67	48.10
Avg Cluster Count	43.30	52.17	46.70
SMWE Counts	61.55	64	52

Back X H

SMWE Counts	61.55	64	52
Avg Cluster Count	43.30	52.17	46.70
Avg Number of Clusters (bucket)	55.20	61.67	48.10
Cluster Counts			
Fractional Block Multiplier	1	1	1
Projected Cluster Weight	0.36	0.21	0.23
Weight Multiplier	1.70	2.60	2.30

Prescriptions

- Fertilizer Prescription
- Seed Prescription
- Export
 - Tractor Shape Files
 - Word Formatted Reports



Cancel

SSURGO

138B

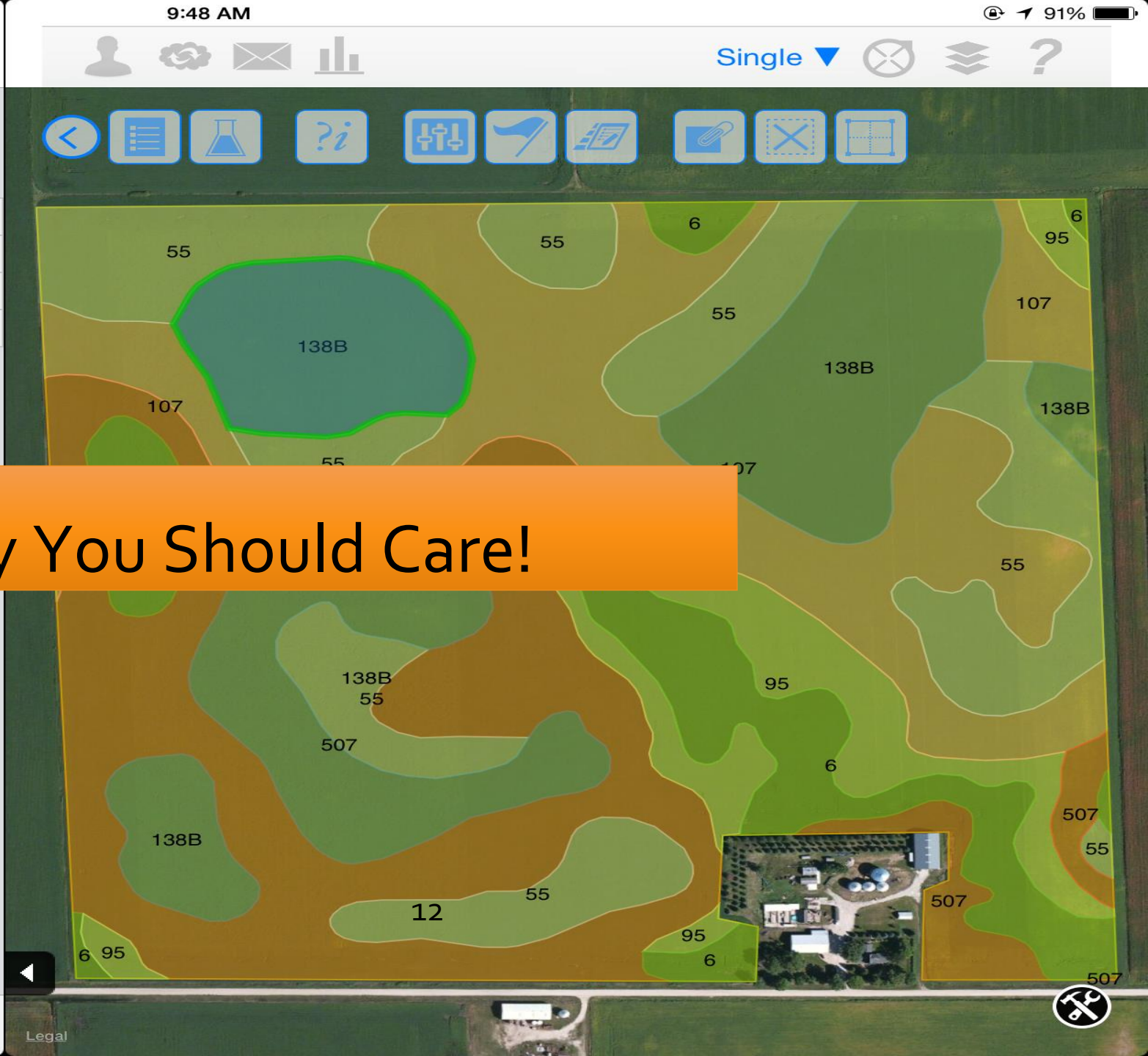
SSURGO

MU Name	Clarion loam, 2 to 5 percent slopes
MU Symbol	138B
Farm Class	All areas are prime farmland
Crop Production Index	

Info Views

H

Edit

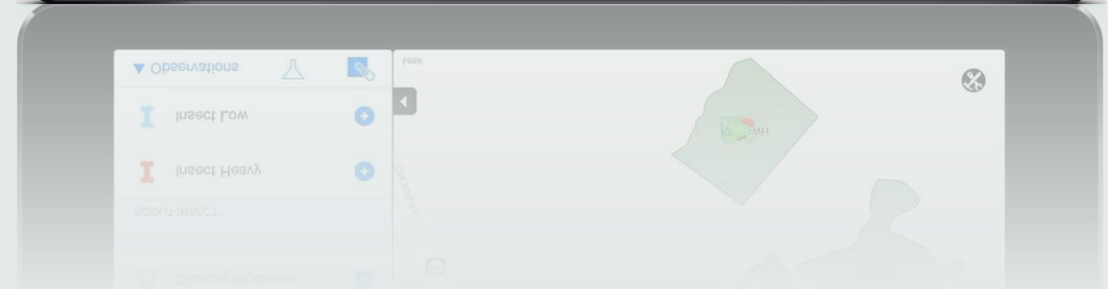
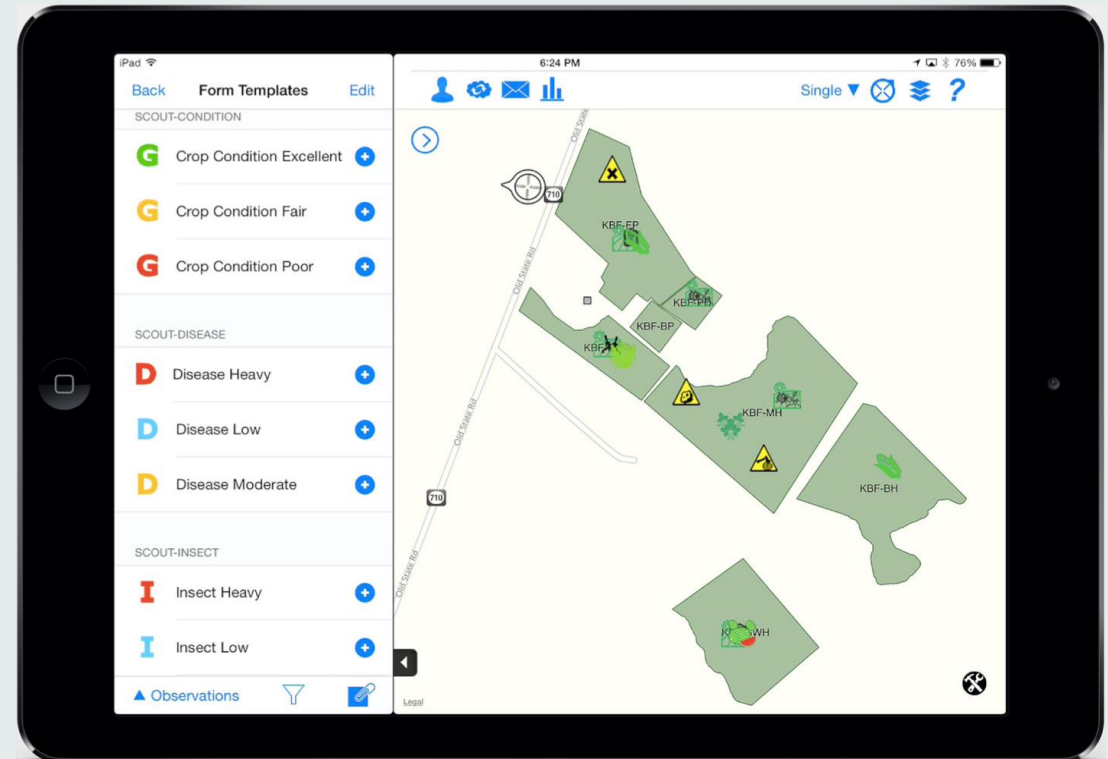


Why You Should Care

- Your tractor will be the cloud
- Collapse of time between Events
- Just-in-time Analysis

Without Programming

- Do your own Research
- User defined Collection Form
- User Custom Math
- User defined Reporting



Thank You!

Open Discussions



Cogent3D, Inc. / iCropTrak
9121 E. Tanque Verde Rd #181
Tucson, AZ 85749 USA
Tel: 520-445-8022
Contact@Cogent3D.com
www.iCropTrak.com

Company Contact:
Aaron Hutchinson - President
Aaron@cogent3D.com