



Training Material

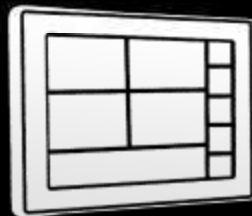
July 2013



FieldView
Website



Text and
Email Alerts



20/20



FieldView



Other iPads

FieldView^{plus}

FieldView / PrecisionCloud Glossary

FieldView (App): iPad app available in Apple App Store

FieldView Website: <http://fieldview.precisionplanting.com> Provides Operation Wide Features (Map, Dashboard, Data Manager, Data Transfer, Notifications, etc) for FieldView Plus users. (aka FV Web)

PrecisionCloud: <http://cloud.precisionplanting.com> Precision Suite of Tools including Ticket System, Event Registration, Account Management, Planter Profiles & Dealer Quote Tools.
Note* PrecisionCloud is also used to describe the data storage “Filing Cabinet” that stores FieldView and 20/20 data for CloudSync and the FieldView Website.

PrecisionCloud Account: Precision Planting account that provides access to PrecisionCloud Tools, FieldView App, FieldView Website, & AutoMap (aka Cloud Account, FieldView Account)

FieldView Plus: Premium PrecisionCloud Account that enables premium features in FV App and FV Website (like Amazon Prime)

CloudSync: FieldView feature enabled for FV Plus users that syncs FieldView data between iPads (by passing data through the PrecisionCloud)

FieldView / PrecisionCloud Features by Account Type

Feature	PrecisionCloud Account	FieldView User	FieldView Plus
Register for a Precision Event online	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submit Support Ticket online	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submit Support Ticket from FieldView (uploads 20/20 Logs and active field data only)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Install 20/20 software from FieldView		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Download AutoMap Rx & Transfer to 20/20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CloudSync Field List, Field Maps Maps, & Pins between multiple iPads on 1 account			<input checked="" type="checkbox"/>
Backup 20/20 Field Files and download / share with consultants from FieldView website			<input checked="" type="checkbox"/>
Download Shape Files to 20/20 through FV			<input checked="" type="checkbox"/>
Share 20/20 Coverage files between 2 planters or combines for swath control			<input checked="" type="checkbox"/>
Enroll and receive Email Reports or Text Notifications			<input checked="" type="checkbox"/>

Upgrade PrecisionCloud Account to FieldView Plus

<http://cloud.precisionplanting.com/fieldviewplus>



FieldView^{plus}

CloudSync
Cloud Sync keeps Fields, Maps, & Field Markers automatically in sync between all iPads within an account.

Backup
Secure Cloud Backup of 20/20 & FieldView data from all iPads.

File Transfer
Cloud to GAD File transfer to the 20/20 (Shape Files, Config file, etc.)

Notifications
Receive Text Alerts & Email Reports on your phone.

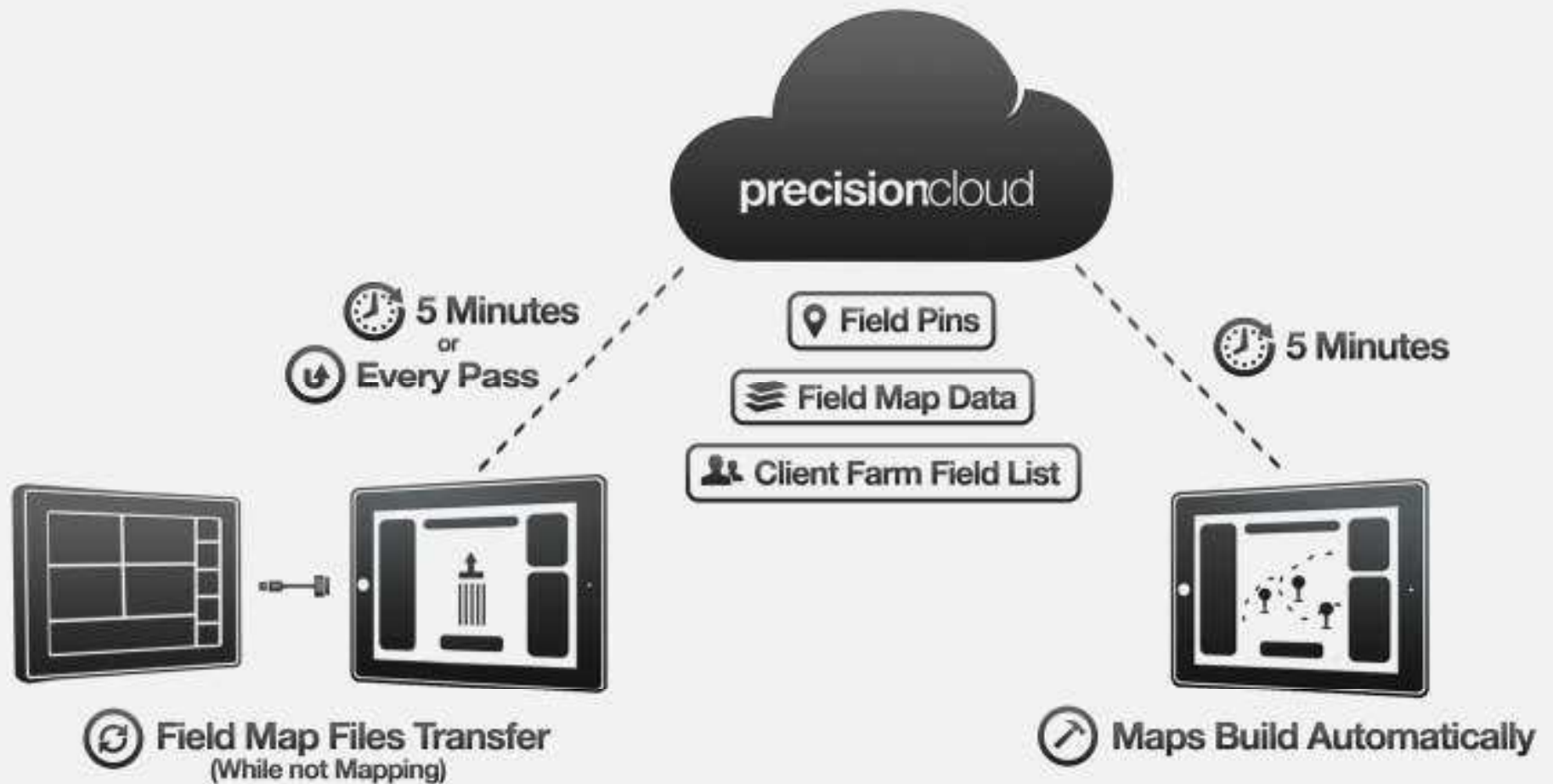
FieldView Website
Map – View Device Locations, Fields, and Pins on an operation wide map.
Dashboard – Key Metrics & Operation Wide reports by Field, Planter, and Hybrid
Data Manager – Download or Share 20/20 Files to desktop or consultants

Upgrade

By upgrading you are agreeing our End User License Agreement which can be reviewed here.

1. Upgrade must be done on web (iPad or desktop) – not within FieldView App.
2. Free Beta continues through 12/31/13

CloudSync



20/20 Sync Status in FV App

A vertical sidebar of agricultural data metrics. The metrics are displayed in green boxes with white text. At the bottom, a grey box contains the text '20/20' with a circular icon containing a lightning bolt, which is circled in red.

Instant Yield (bu/ac)	111
Field Yield (bu/ac)	111
Instant Moisture	2%
Load 1 Bu	48
Hybrid	Hybrid 1
Population	32.0 k
20/20 Sync Status	20/20

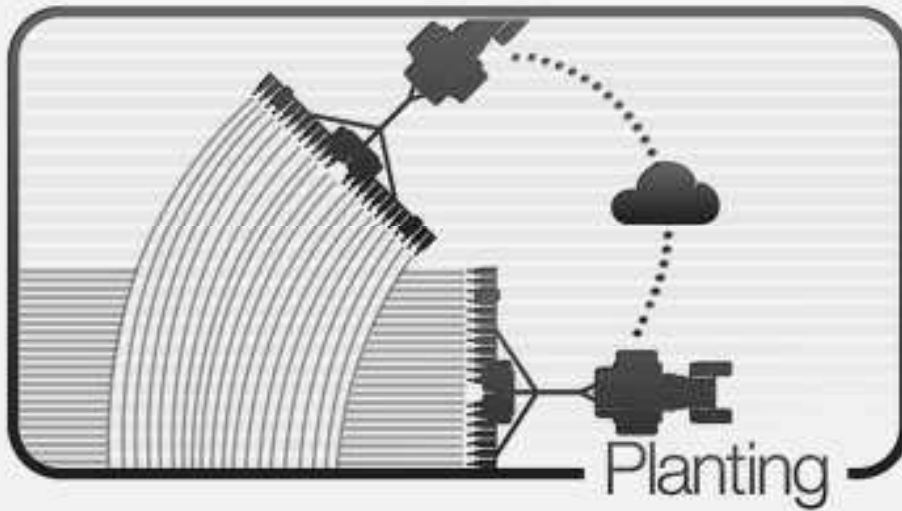
A screenshot of the FieldView Plus app interface. The app is running on a mobile device, showing the Verizon logo, the time 9:41 AM, and a battery level of 78%. The user is logged in as 'dougpersonal'. The main screen features the FieldView Plus logo at the top, followed by six icons representing different app functions: Map, Demo, FieldScripts, Settings, Help, and Tools. At the bottom, there are logos for CloudSync and Precision Planting. In the bottom right corner, a '20/20' sync status indicator with a lightning bolt icon is circled in red.

CloudSync Status in FV App

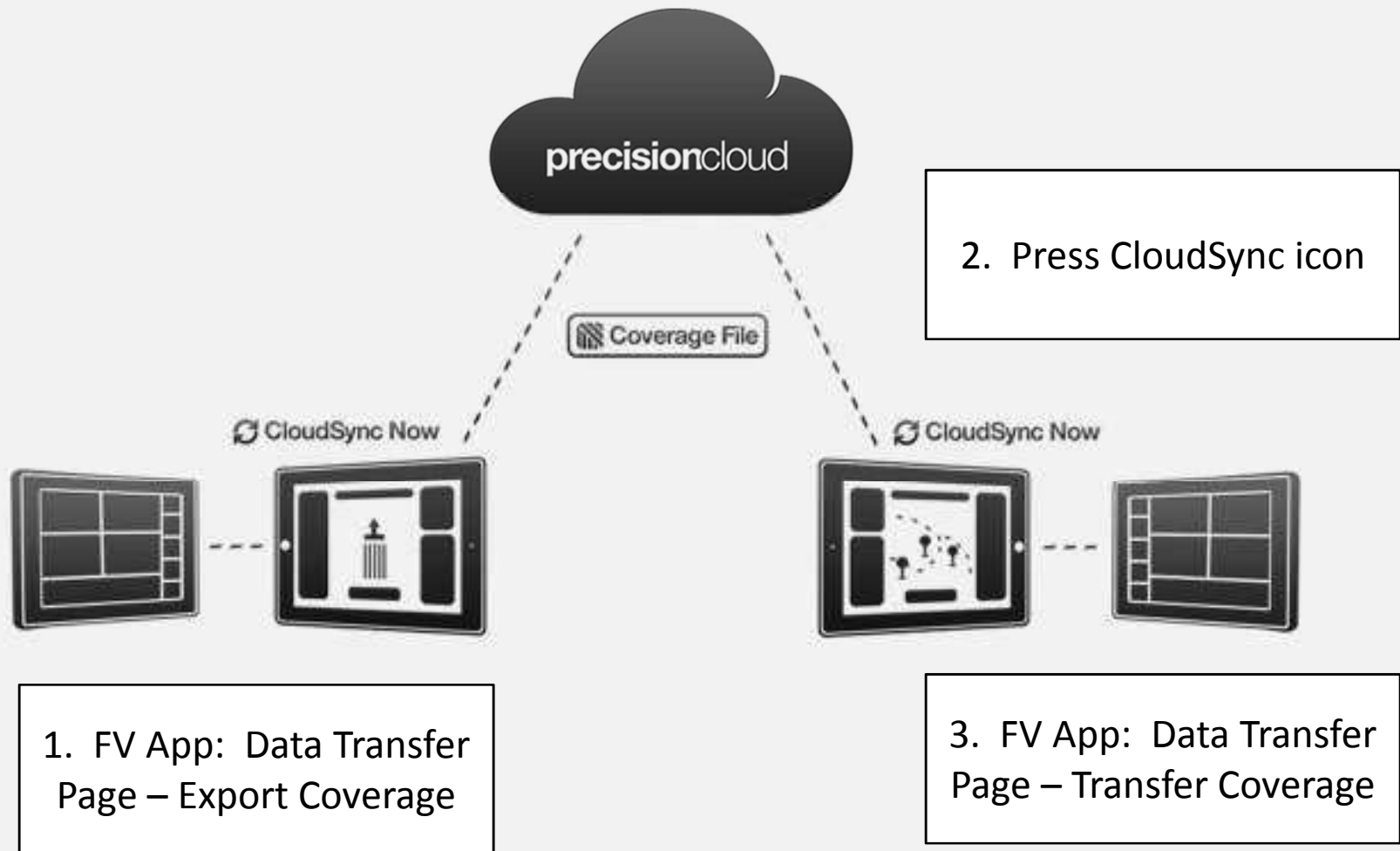


“Hurry Button”
Press to CloudSync Now

Sharing Swath Coverage



Sharing Swath Coverage: Planting



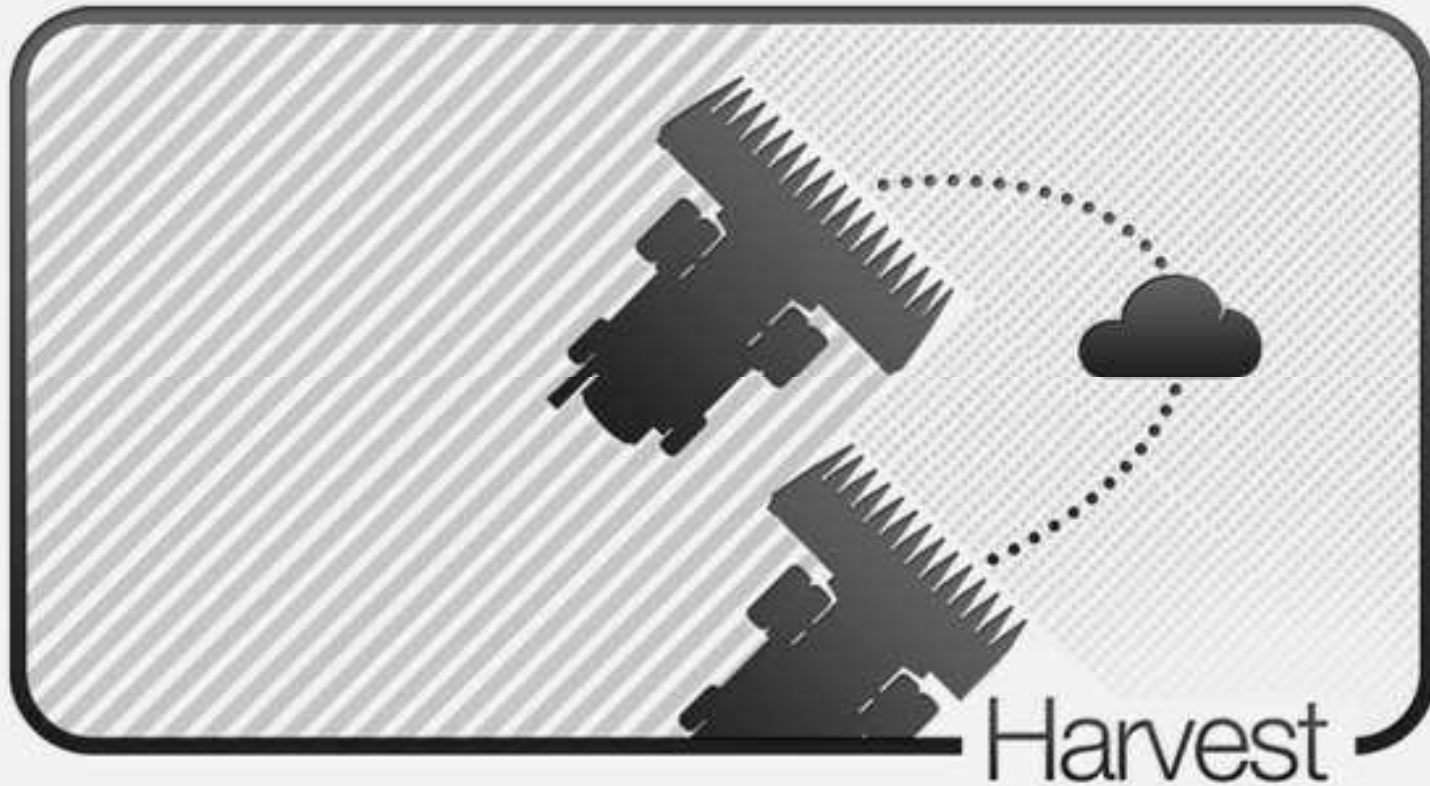
Transferring Swath Coverage: Planting

The screenshot shows an iPad application interface. The top status bar displays 'iPad', signal strength, '10:50 AM', and '30%' battery. The left sidebar is titled 'Tools' and contains menu items: 'About / Version Info', 'Data Manager', 'Data Transfer', '20/20 Software Update', 'Demo Setup', and 'Cloud Account'. The main area is titled 'Data Transfer' and features a table with the following data:

File Type	# File Count	Date
Shape Files (Rx / Boundary)	4	Mar 12, 2013
Automap Rx Files	1	Mar 21, 2013
Coverage: 3.19.13 dm test 1 (8206866)	1	Mar 19, 2013

At the bottom of the main area, there are three buttons: 'CloudSync', 'Transfer', and 'Upload Coverage'. The 'Transfer' and 'Upload Coverage' buttons are circled in red. A red circle also highlights the row for 'Coverage: 3.19.13 dm test 1 (8206866)' in the table. The bottom right corner shows '20/20' and a small icon.

Sharing Swath Coverage: Harvest*



Live Streaming Coverage – Coming Soon

FieldView Website: <http://fieldview.precisionplanting.com>

The screenshot displays the FieldView website interface on a laptop. The main content area shows a 'Planting Summary Report' for the period 1/1/12 to 1/29/13. The report is filtered by 'Corn' and is organized into a table with the following data:

Field	Date Planted	Acres Planted	Average Population	Avg Speed	% Acres - IFS Standard	Sing %	Good Spacing	Loss of GC	Good Down Force	Excess Down Force
4pt	1/23/13	32.1	27,219.5	5.8	88.5 %	99.7 %	99.6 %	4 %	96 %	0 %
5 Points	1/23/13	19.1	36,009.9	5.9	88.7 %	99.7 %	99.6 %	4 %	96 %	0 %
5 Pts	1/22/13	7.1	35,622.3	5.9	89.5 %	99.7 %	99.6 %	3 %	97 %	0 %
Bladi	4/28/12	26.8	29,748.3	5.3	81.6 %	99.6 %	99.3 %	7.2 %	84.9 %	8 %
Brocher	4/25/12	111	32,416.7	5.1	55.3 %	99.5 %	99.4 %	16.6 %	60.2 %	23.2 %
Conference	1/24/13	12.6	35,766	5.9	88.8 %	99.7 %	99.6 %	4 %	96 %	0 %
Totals / Avg		434.7	35,151.2	5.5	82.9 %	99.6 %	99.5 %	7.3 %	85.7 %	7 %

FV Web – Dashboard - Harvest

The screenshot displays the FieldView web dashboard for harvest management. The interface includes a sidebar with navigation options: Map, Dashboard, Data Manager, Data Transfer, and Notifications. The main content area is divided into three sections:

- Season Summary:** A table showing harvest progress for the year 2013, crop type Wheat, and the Harvest phase. The data is as follows:

Metric	Value
Total Acres to Harvest	100
Harvesting Complete Goal	7/3/13
Acres Harvested YTD	83.4
% Harvest Complete	83.4 %
Acres Remaining	16.6
- Management Reports:** A list of reports with links: Planting Summary Report and Harvest Summary Report.
- Combine Summary:** A table showing harvest metrics for two combine machines over the period 1/1/2013 to 7/15/2013.

Combine	Combine Number	Acres Harvested	Avg Speed	Acres / Hour	Yield	Moisture
JD S-Series Class 7 - 35 ft	14136	9.6	3	6.3	67.3	9.7 %
JD S-Series Class 7 - 35 ft	02795	73.6	2.4	6.1	64.4	14.6 %
Totals / Avg	2	83.4	2.5	6	64.7	14.0 %

Season Summary: Crop Specific stats across entire operation

Combine Summary: Summary Metrics by machine

Management Reports: Links to FV Web Reports

FV Web – Harvest Summary Report

The screenshot shows the FieldView web interface. The top navigation bar includes the FieldView logo, a user login status (Logged in as francis), and a Logout button. A left sidebar contains navigation links for Map, Dashboard, Data Manager, Data Transfer, and Notifications. The main content area displays a 'Harvest Summary Report' with filters for 'By Field', 'By Combine', 'By Hybrid', and 'By Load'. The report is filtered for 'Wheat' and 'All Combines' for the date range '1/1/2013' to '7/15/2013'. The data is presented in a table with the following columns: Field, Date Harvested, Acres, Yield, Moisture, Bushels, and Lbs.

Field	Date Harvested	Acres	Yield	Moisture	Bushels	Lbs.
Earl and Pearls Big Field	07/09/13	48.6	49.2	14.7 %	2,519	140,201
Raul Ground	07/02/13	9.6	57.3	9.7 %	566	33,988
Terrene	07/03/13	25.3	64.3	14.4 %	1,705	102,803
Totals / Avg		83.4	54.7	14.0 %	4,590	276,992

Key Harvest Metrics by Field, Combine, Hybrid, or Load
Drop Downs and Date Range allows filtering of data

FV Web – Planting Summary Report

FieldView plus Logged in as frank54 Logout ?

Map | Dashboard | Data Manager | Data Transfer | Notifications

Planting Summary Report By Field By Planter By Hybrid Com All Planters 1/1/2013 - 7/15/2013

Field	Date Planted	Acres Planted	Average Population	Avg Speed	Sing %	Good Spacing	Loss of GC	Good Down Force	Excess Down Force
Earl and Pearls	05/25/13	13.2	35,911.6	4.0	99.9%	98.2%	2.4%	92.2%	15.4%
Earl and Pearls	06/14/13	.97	34,160	4.2	99.8%	99.5%	1.8%	89.7%	8.8%
Manto North	05/13/13	68.2	28,761.4	4.3	96.4%	99.1%	1.9%	96.5%	11.6%
Manto south se	04/29/13	37.3	34,014.1	4.1	99.8%	99.3%	1.2%	76.8%	22%
Massey Back 40	05/08/13	27.2	33,101.2	3.8	99.7%	99.3%	1.6%	88.3%	10.1%
Massey East	05/15/13	55.7	33,934.8	3.8	99.7%	99.4%	0.7%	96.6%	2.7%
Pump House North	05/15/13	.76	29,226.8	3.8	99.9%	99.3%	0.8%	78.2%	20.8%
Pump House So.	06/12/13	75.7	36,203.2	4.1	99.8%	99%	1.7%	88.6%	8.7%
Raul Ground	04/30/13	58.8	36,592.4	4	99.6%	98%	2.9%	88.9%	7.3%
Rollo corti	05/25/13	5	27,785.5	3.5	99.5%	99.8%	0.4%	77%	13.6%
Totals (Avg)		700.8	33,345.9	4.1	97.8%	98.8%	2%	84.5%	10.5%

Key Planting Metrics by Field, Planter, & Hybrid
Drop Downs and Date Range allows filtering of data

FieldView Website: Map of Operation

The screenshot displays the FieldView website interface. At the top left is the 'FieldView plus' logo. At the top right, it shows 'Logged in as fwwebtest Logout'. A sidebar on the left contains navigation links: 'Map', 'Dashboard', 'Data Manager', and 'Data Transfer'. The main area is a satellite map of a rural landscape with roads and fields. A red circle highlights the map controls in the top right corner, including a location pin icon, a magnifying glass icon, a square icon, and a 'Satellite' button. A green box on the map contains a pop-up information window with the following text: 'Client: Gregg sauder', 'Farm: Townline farms', 'Field: Fritz', 'Crop: Corn', and 'Last Updated: 10 months ago'. The map also shows several green circular icons representing devices or fields, with one icon highlighted by a green box.

Map Shows location of Fields, People (Devices) , and Pins
Navigation Controls: Display Pins, Center on Location, Display Extents
Device Icon – Press to view details – enter nickname

Data Manager: Share or Download 20/20 Field Files

FieldView ^{plus}

Logged in as frank54 Logout ?

20/20 Field Map Data: 2013

<input type="checkbox"/>	Field	Farm	Client	Size	Acres Planted	Acres Harvested	Date
<input checked="" type="checkbox"/>	8128 Vitage	Townline Farms	Gregg Sauder	5.2 MB	0.0	21.5	07/15/13
<input checked="" type="checkbox"/>	Earl and Pearl's 20 acres	Frank Farms	Frank Farms	1.3 MB	13.2	0.0	06/11/13
<input type="checkbox"/>	Earl and Pearl's Big Field			9.4 MB	97.0	0.0	06/14/13
<input type="checkbox"/>	Earl and Pears Big Field			8.7 MB	0.0	48.6	07/11/13
<input type="checkbox"/>	Manito North			10.7 MB	68.2	0.0	05/13/13
<input type="checkbox"/>	Manito east beaniso.			0.7 MB	6.9	0.0	06/11/13
<input type="checkbox"/>	Manito south seed corn			4.9 MB	37.3	0.0	04/29/13
<input type="checkbox"/>	Massey Back 40	Frank Farms	Frank Farms	5.7 MB	27.2	0.0	05/08/13
<input type="checkbox"/>	Massey East	Frank Farms	Frank Farms	7.3 MB	55.7	0.0	05/15/13
<input type="checkbox"/>	Morris Farm	Frank Farms	Frank Farms	2.9 MB	23.6	0.0	05/17/13
Totals / Avg				113.3	308.7	105	

Share Fields

Share

Download

Export Field Pins

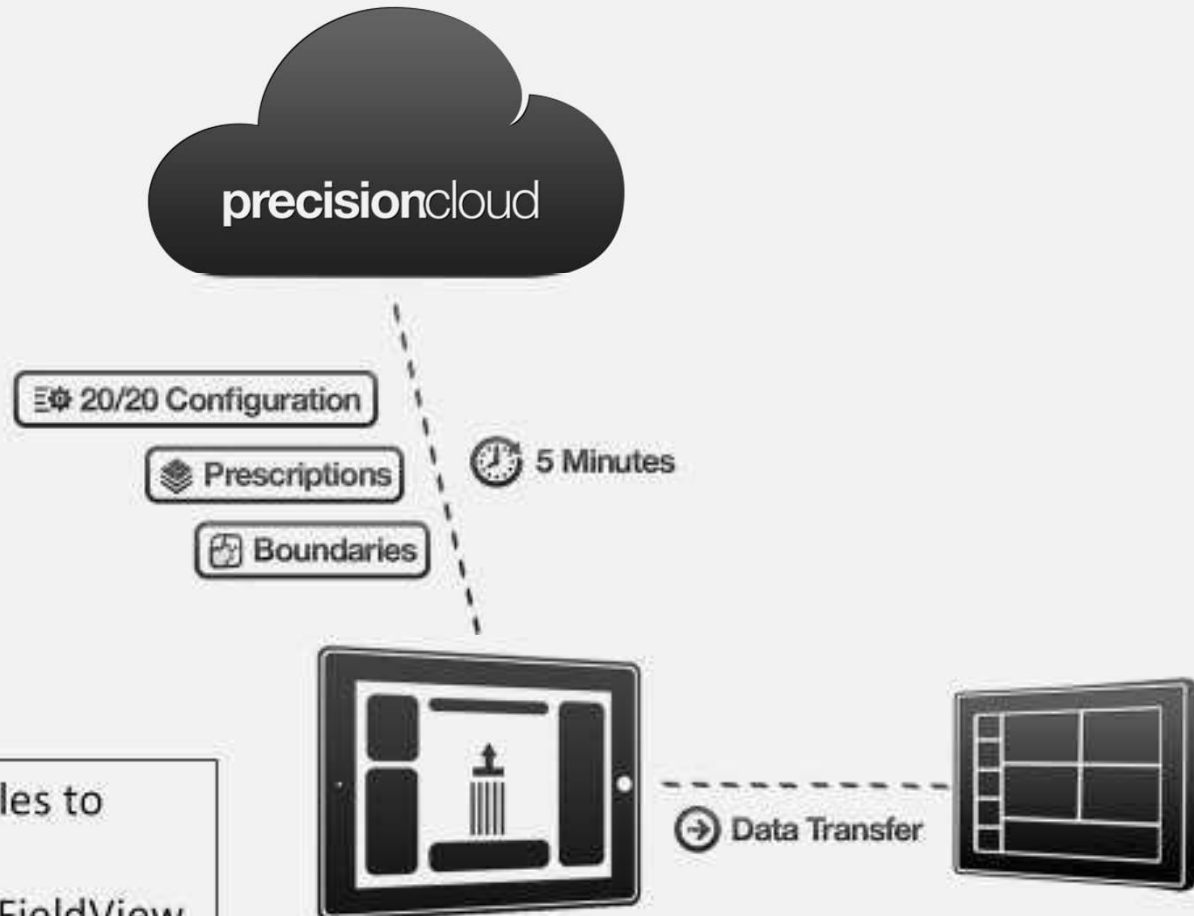
Select Fields to Share/Download

Share: Enter Email Address – sends link to a downloadable zip files

Download: Downloads zip file to PC

Export Field Pins: Downloads a CSV file of pin locations

Cloud to Cab File Transfer



1. Use FV Web to upload Files to PrecisionCloud
2. CloudSync brings files to FieldView
3. Use FV App Data Transfer to Transfer Files to 20/20

FV Website: Data Transfer

FieldView ^{plus}

Logged in as frank04 Logout ?

Map

Dashboard

Data Manager

Data Transfer

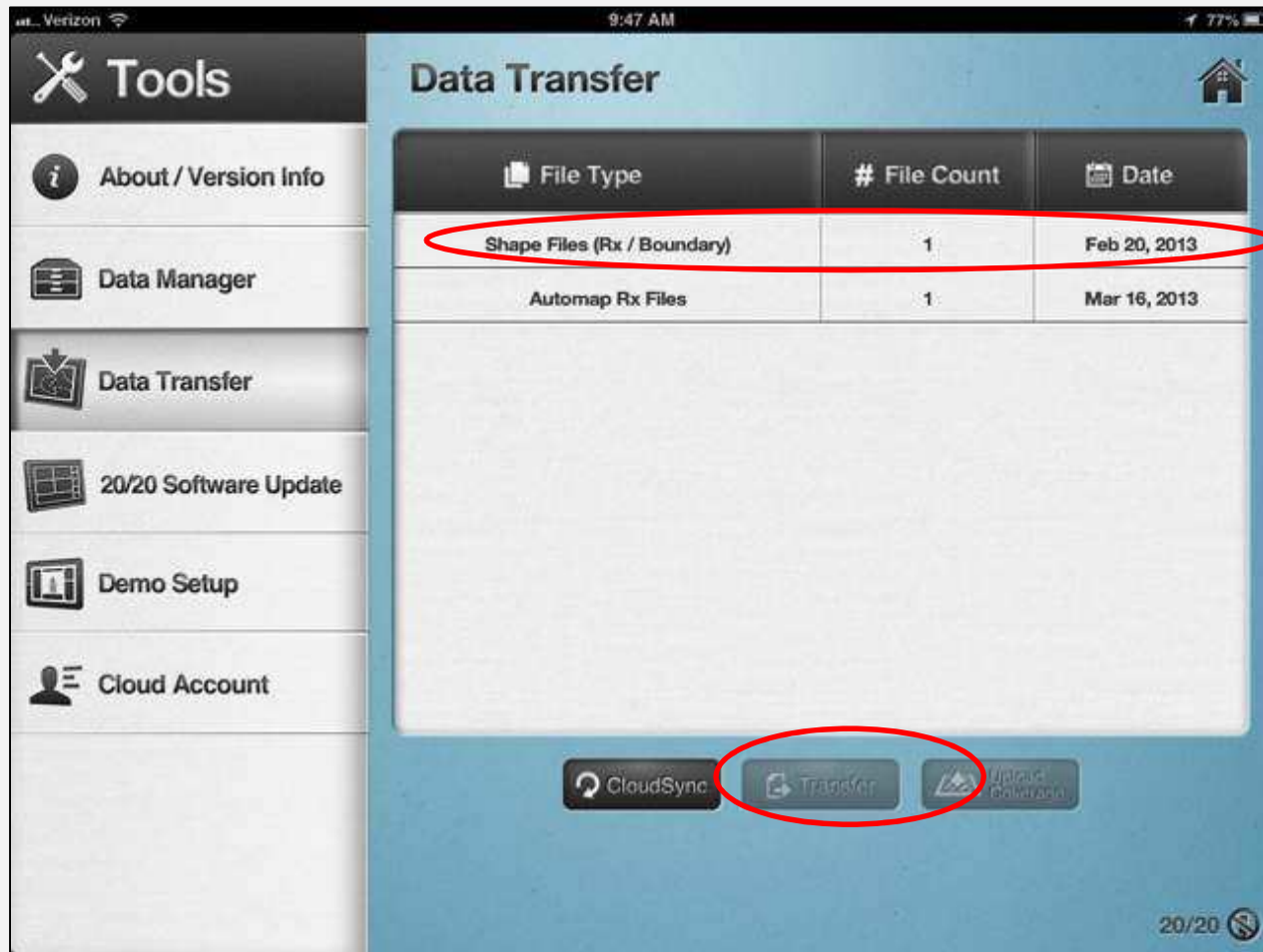
Notifications

<input type="checkbox"/>	File Type	Number of Files	Date
<input type="checkbox"/>	Shape Files (FC / Boundary)	0 files	
<input type="checkbox"/>	20/20 Crop Configuration Files	0 files	
<input type="checkbox"/>	20/20 Planter Configuration Files	0 files	
<input type="checkbox"/>	20/20 System Configuration Files	0 files	
<input type="checkbox"/>	20/20 Field Map - Backdoor	93 files	05/03/2013

Add Files Delete Files

Add Files to sync down to FieldView for Transfer to 20/20
Delete Files to clear out Cloud Folder for selected Field Type

FV App: Data Transfer



Connect to 20/20, Select File Type, and press Transfer

FieldView Notifications: Planting



A smartphone screen displaying a planting report table. The status bar shows AT&T service and the time 9:59 PM. The notification header indicates "Inbox (1)" and "1 of 24". The report title is "Planting Report - Hourly" for "8644 Reed #39 (Gregg Sauder / Townline Farms)" using "JD 36-Gen2 - DF - 20084". The table lists various planting metrics and their values.

Planting Report - Hourly	
8644 Reed #39 (Gregg Sauder / Townline Farms)	
JD 36-Gen2 - DF - 20084	
Acres Planted	20.1
Avg Speed	5.9
Avg Population	137,502
Singulation	100.0%
Good Spacing	100.0%
Good Ride	98.8%
Down Force	
Loss of G.C.	0.3%
Good DF	99.4%
Excess DF	0.2%

FieldView Notifications: Harvest



FV Website: Text Alert Enrollment

FieldView plus Logged in as [fvebranna](#) Logout ?

Text Alerts Planting Harvest Planter: John Deere 16-2000

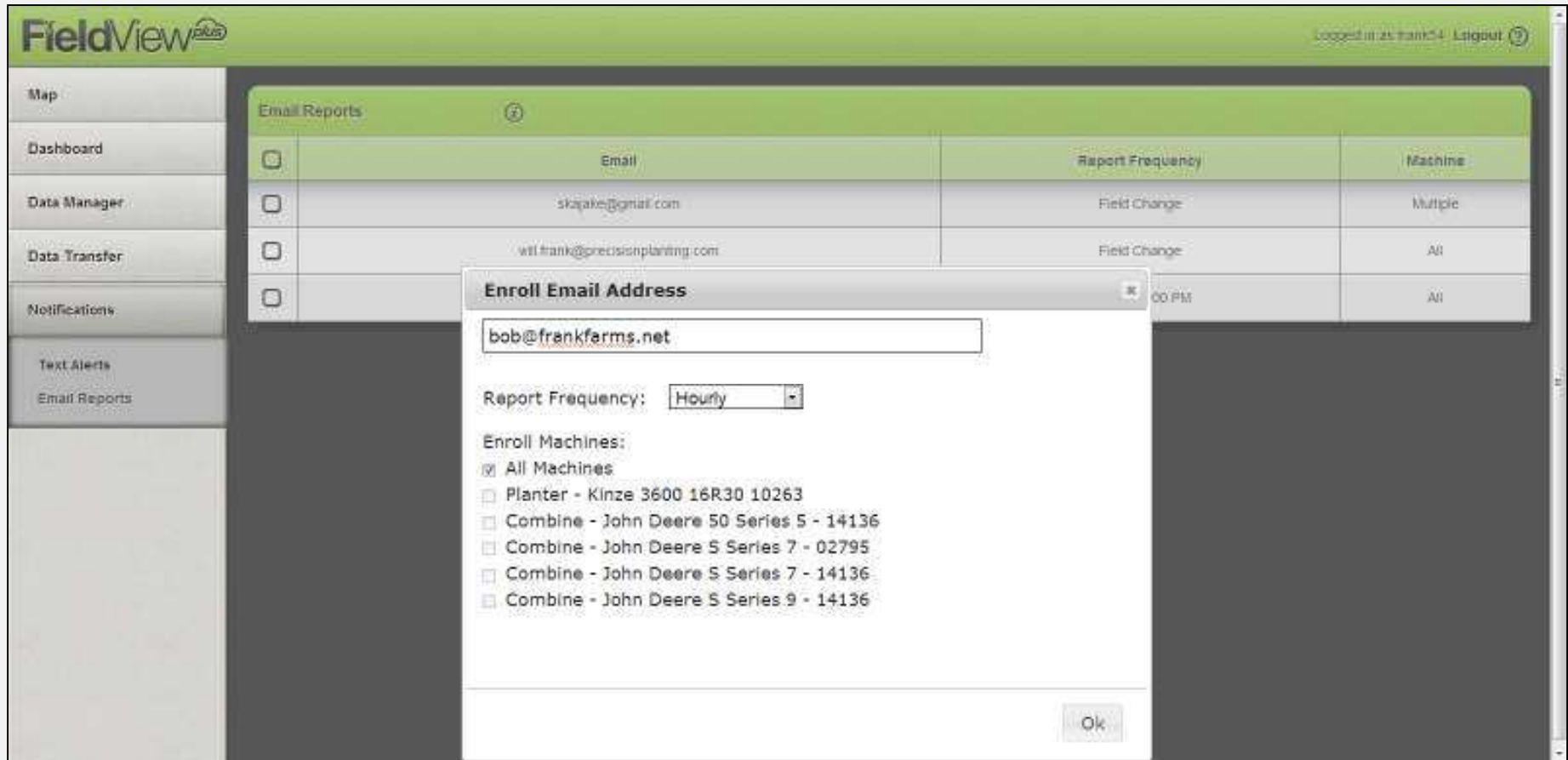
Enabled	Metric	Alert Threshold	
<input checked="" type="checkbox"/>	Speed	Greater Than	5.0 mph
<input checked="" type="checkbox"/>	Singulation	Less Than	99.0 %
<input checked="" type="checkbox"/>	Good Spacing	Less Than	95.0 %
<input checked="" type="checkbox"/>	Loss of Ground Contact	Greater Than	5.0 %
<input checked="" type="checkbox"/>	Excess Down Force	Greater Than	10.0 %

Text Alert Phone Numbers (example: 5551234567,5558901234)

Save

Harvest Text Alerts: Alerts span all combines
Planting Text Alerts: Alerts are planter specific
Phone Numbers: Enter any format, comma separated
Note* Text Alerts processed by FV Web – 5 acre minimum

FV Website: Email Rpt Enrollment



The screenshot shows the FieldView website interface. On the left is a navigation menu with options: Map, Dashboard, Data Manager, Data Transfer, Notifications, Text Alerts, and Email Reports. The main content area is titled "Email Reports" and contains a table with columns for "Email", "Report Frequency", and "Machine".

Email	Report Frequency	Machine
<input type="checkbox"/>	Field Change	Multiple
<input type="checkbox"/>	Field Change	All
<input type="checkbox"/>	Field Change	All

An "Enroll Email Address" modal window is open, displaying the following information:

- Email Address: bob@frankfarms.net
- Report Frequency: Hourly
- Enroll Machines:
 - All Machines
 - Planter - Kinze 3600 16R30 10263
 - Combine - John Deere 50 Series 5 - 14136
 - Combine - John Deere 5 Series 7 - 02795
 - Combine - John Deere 5 Series 7 - 14136
 - Combine - John Deere 5 Series 9 - 14136

An "Ok" button is visible at the bottom right of the modal.

Report Frequency: Hourly – sent at 15 min past hour for data processed within hour
Report Frequency: Daily – sent at 15 min past hour selected
Report Frequency: Field Change – sent when data from next field received in FV Web

FV Plus Support & Troubleshooting

Logged in as frank54 Logout (?)

The screenshot shows the Precision Planting website interface. At the top right, there are links for "Precision Cloud", "Dealer Log In", "Contact Us", and "About Us". The main navigation bar includes "HOME", "PRODUCTS", and "FieldView Plus (beta)". Below this, there are sub-navigation tabs for "Overview", "How it Works", "FAQ", and "Technical Support". The "Technical Support" tab is currently selected. The main content area features a "How To Documents" section with the following items:

- FieldView Plus Training Information
- Share Coverage on Multiple Planters
- Wirelessly Send Shape Files to 2020
- Wirelessly Send 2020 Config Files to 2020
- Receive FieldView Field Alerts
- Receive FieldView Email Reports

On the left side, there is a "Precision Locator" search box and an "explore products" section with the text: "Tools for improving depth control, singulation, seed environment and yield." Below this is a "How we can help?" section with a list of questions: "Spacing? Depth? Speed? Residue? Seedbed? Which problem is costing you the most during planting? Look here to uncover the cost of poor planter performance... and simple solutions to fix them." There are also two small images of corn plants with labels: "Populations, Spacing, Planters" and "Depth, Compaction, Residue". On the right side, there are two "FieldView" buttons: "Upgrade" (with the text "Sign in with your existing Cloud account username and password.") and "Login" (with the text "In the field or office, start accessing maps and data anywhere at anytime.").