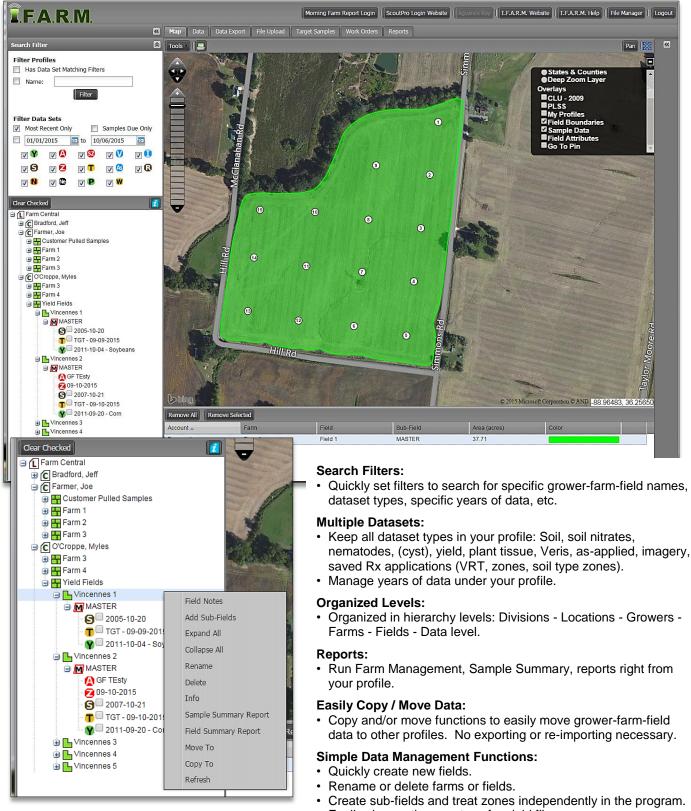


I.F.A.R.M. Functions Review

1. Main Page – Data Management

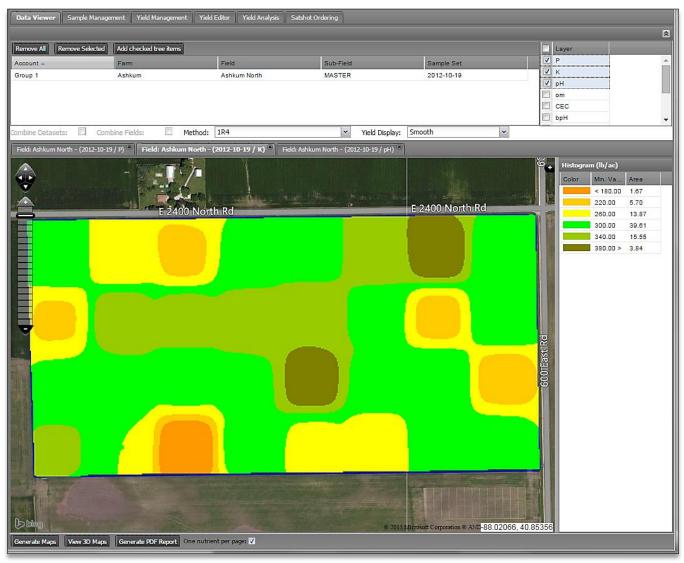


· Easily change the crop type for yield files.



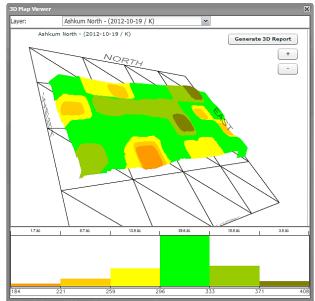
2. Data Tab

A. Data Viewer



Data Viewer / Soil:

- Display soil data with corresponding colored maps and histogram of all elements tested.
- Enter multiple datasets with option to combine data and/or combine fields together.
- (3) methods to display soil data: IR4, Kriging, Normalized Nearest Neighbor.
- Color scales are customizable.
- View data in 3D.
- · Generate colored maps of analysis.



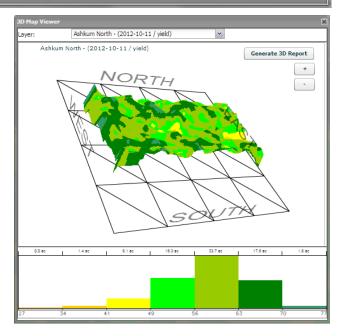


Data Tab - Functions Review continued...

Data Viewer Sample M	lanagement 🛛 Yield Managemer	t 🛛 Yield Editor 🗍 Yield Analysis 🗍 S	atshot Ordering		
Remove All Remove Sele	cted Add checked tree items				Layer
ccount 🔺	Farm	Field	Sub-Field	Sample Set	Vield-Soybeans
roup 1	Ashkum	Ashkum North	MASTER	2012-10-11 - Soybeans	i moist-Soybeans elev
mbine Datasets: 🔲	Combine Fields;	Method: 1R4	✓ Yield Di	splay: Smooth	
ïeld: Ashkum North - (2	012-10-11 / yield smooth) ^{(X}				
					Color Min. Va Area
A 2		and the second s		And the standard and	28.80 1.41
	E 240	0 North Rd		E 2400 North Rd	36.70 6.12
			-		44.60 19.34
					52.50 33.70
			All states of the local division of the loca		60.40 17.88
					600 East Rd
1 bing nerate Maps View 3D	Marris Concepto DDE Barret	One nutrient per page: 🔽		© 2015 Mitrosoft Corporation © ANE <mark>-88.0182</mark>	25, 40.84904

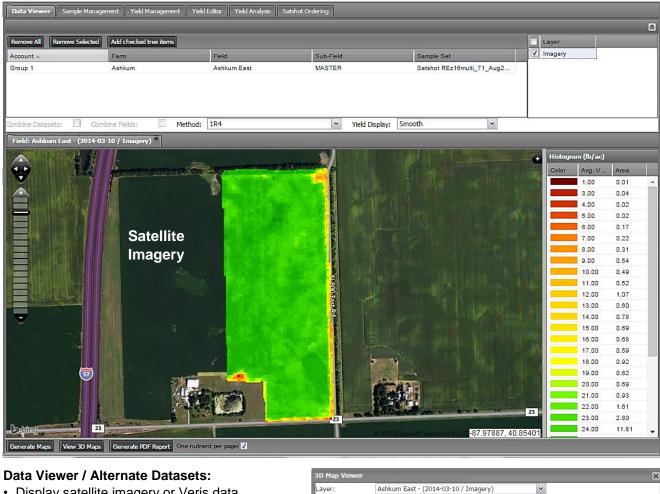
Data Viewer / Yield:

- Display yield data with corresponding colored maps and histogram of all elements tested.
- Enter multiple datasets with option to combine data and/or combine fields together.
- (2) methods to display yield: Smoothed map or data points / rows.
- Color scales are customizable.
- · View data in 3D.
- · Generate colored maps of analysis.

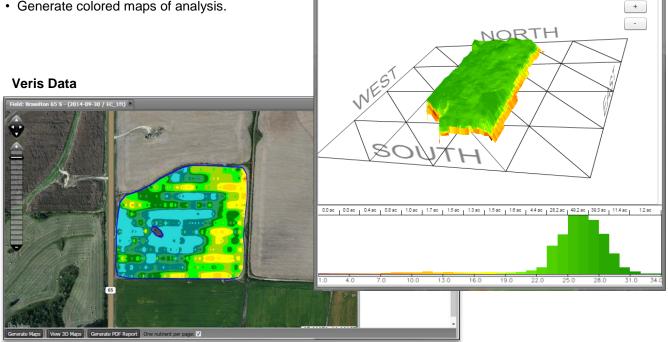




Data Tab - Functions Review continued...



- Display satellite imagery or Veris data.
- · Display As-Applied data.
- · Generate colored maps of analysis.



Ashkum East - (2014-03-10 / Imagery)

Generate 3D Report



Data Tab - Functions Review continued...

B. Sample Management.

Renow Solide Add teched use atom Account - Farm Ped Sub Plat Sample Set Origon 1 Athlum Athlum East MASTER 2005-10.05 rend Datami Zoll.10-15 - Com X Show Points Outside Boundary Service Add Sample Set Report Option Specific Add technic Ad	Data Vie	wer S	iample Manag	ement Y	'ield Manag	ement	Yield Edito	r 🛛 Yield A	nalysis 🛛 Sats	shot Ordering			
Stroug 1 Ashum East MASTER 2026 10 20	Remove A	All Rer	move Selected	Add check	ed tree iten	ns							
Vield Dataset: 2011-01-5 - Com Image: Show Points Outside Boundary Sample Analyse Employee Space Option Space Option Space Option 0	Account 4			Farm			F	ield		Sub-Field		Sample Set	
Sumple Analysis Samples D P (bloc) K (bloc) pit ora CEC bpt Ca (bloc) Mg (bloc) Yeki Arg (bulcs) 1 2 62 38 6.9 3.1 28.3 7.0 7161 1764 166.3 2 6.2 444 6.3 3.2 22.4 7.0 7161 1764 166.3 3 43 324 5.9 3.2 22.5 6.6 5145 1029 168.1 4 40 304 6.1 3.0 4957 1062 164.3 7 6.6 344 6.6 32.2 2.5 6.6 5754 1176 122.6 6 34 348 6.5 2.8 18.2 7.0 4557 1052 164.3 7 6.2 440 5.9 3.2 2.4 6.6 5754 117.8 122.6 13 14.1 150 6.9 5984 1305 161.4 100 10 0 0 0 0	Group 1			Ashkum	1			shkum East		MASTER		2008-10-08	
Sumple Analysis Samples D P (bloc) K (bloc) pit ora CEC bpt Ca (bloc) Mg (bloc) Yeki Arg (bulcs) 1 2 62 38 6.9 3.1 28.3 7.0 7161 1764 166.3 2 6.2 444 6.3 3.2 22.4 7.0 7161 1764 166.3 3 43 324 5.9 3.2 22.5 6.6 5145 1029 168.1 4 40 304 6.1 3.0 4957 1062 164.3 7 6.6 344 6.6 32.2 2.5 6.6 5754 1176 122.6 6 34 348 6.5 2.8 18.2 7.0 4557 1052 164.3 7 6.2 440 5.9 3.2 2.4 6.6 5754 117.8 122.6 13 14.1 150 6.9 5984 1305 161.4 100 10 0 0 0 0	field Data	ante 20	011 10 15 0										
D P (brie): K (brie): pH on CEC bpH Ca (brie): Veld Avg (brie): 1 26 348 6.9 3.1 26.3 7.0 7161 1764 166.3 2 62 444 6.3 3.2 28.4 7.0 7056 1491 194.1 3 43 3.2 28.4 7.0 7056 1491 194.1 6 3 3.24 5.9 3.2 22.5 6.6 5145 1029 166.1 6 3 3.44 6.5 2.6 6.7 509 122 164.3 7 6.2 440 5.9 3.2 2.5.4 6.6 5754 1176 152.6 8 56 368 5.9 3.0 2.2.6 6.7 5019 111.3 145.5 11 6.6 3.2 2.4.8 6.8 562.7 153.6 111 155 5.0 <t< td=""><td></td><td>Set. 21</td><td>511-10-15 - CC</td><td>111</td><td></td><td></td><td>Snov</td><td>w Points Ou</td><td>tside Bounda</td><td>у</td><td></td><td></td><td></td></t<>		Set. 21	511-10-15 - CC	111			Snov	w Points Ou	tside Bounda	у			
1 26 388 6.9 3.1 28.3 7.0 7161 1764 168.3 2 2 62 444 6.3 3.2 28.4 7.0 7056 1491 194.1 3 4.3 324 6.5 9.2 22.5 6.6 6145 1029 166.1 5 85 436 6.0 3.2 24.5 6.7 5544 1229 197.5 6 6 3.4 3.2 24.5 6.7 5544 1226 176 176 164.3 1 10 54 2.80 6.5 2.66 6754 1176 126.5 178.5 171.8 178.5 171.8 178.5 161.4 175.5 161.4 175.5 161.4 175.5 161.4 175.5 161.4 175.5 161.4 175.5 161.4 185.5 161.4 180.5 185.5 182.7 170.0 175.5 171.5 175.5 171.5 175.5 171.5 175.5 171.5 175.5 171.5 175.5 173.0	Sample A	nalysis									Report	Options Samples	
 2 62 444 6.3 3.2 2.8.4 7.0 7056 1491 194.1 144.1 154 13.0 14.0 12.0 11.0 54 220 56.1 24.6 5754 11.0 12.0 11.1 25.0 5.7 3.1 2.46 6.5 52.0 1.1 1.1 2.2 54.0 6.1 3.0 2.2 2.4.5 6.5 52.0 1.1 1.1 2.1 11.1 2.2 5.4 6.6 5.4 2.2 2.4 6.6 3.4 2.4 4.6 3.92 2.4 4.6 3.92 3.1 1.9 1.5 2.0 5.7 3.1 2.0 6.1 3.0 2.1 2.2 3.4 6.6 5.2 1.1 4.4 5.7 3.1 2.6 6.5 5.2 1.1 4.6 5.2 5.3 5.2 5.4 5.4 5.4 5.5 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.3 5.4 5.4 5.4 5.4 5.5 5.2 5.2 5.2 5.2 5.2 5.2 5.3 5.4 5.4 5.4 5.5 <l< td=""><td>🔲 ID 🔺</td><td>P (lb/a</td><td>ac) K(lb/ac)</td><td>pН</td><td>om</td><td>CEC</td><td>bpH</td><td>Ca (lb/ac)</td><td>Mg (lb/ac)</td><td>Yield Avg. (bu/ac)</td><td></td><td>Pan - Cance</td><td>Active Tool</td></l<>	🔲 ID 🔺	P (lb/a	ac) K(lb/ac)	pН	om	CEC	bpH	Ca (lb/ac)	Mg (lb/ac)	Yield Avg. (bu/ac)		Pan - Cance	Active Tool
3 43 324 5.9 3.2 2.2.5 6.6 5145 1029 168.1 4 40 304 6.1 3.0 19.3 6.9 4557 966 164.7 5 85 4346 6.0 3.2 2.45 6.7 5544 1239 197.5 6 3.4 346 6.5 3.2 2.54 6.6 5754 1102 164.3 7 62 440 5.9 3.2 2.54 6.6 5754 1176 192.6 10 54 2.80 6.8 597 3.0 2.25 6.7 5019 111.3 145.5 11 6.8 3.66 6.1 3.1 190 6.9 4388 967 153.6 11 6.8 3.62 5.7 3.0 2.24 3.6.6 5423 168.1 12 111 550 6.1 3.1 2.0 6.7 4662 967 170.0 15 80 392 5.9 3.1 2.0	1	26	388	6.9	3.1	26.3	7.0	7161	1764	168.3			
 4 40 304 6.1 30 193 6.9 457 966 164.7 155 65 456 6.0 3.2 2.45 6.7 7.0 457 102 164.3 164.3 170 458 58 28 59 30 22.6 6.7 5019 1113 148.5 10 54 280 58 29 14.4 6.6 3927 903 171.8 10 54 280 58 29 14.4 6.6 3927 903 171.8 10 64 396 51 10 54 280 58 29 14.3 6.4 282 588 194.5 10.5 111 315 520 6.1 30 22.9 6.7 46.6 55 5124 1134 180.8 15 161.4 15 15 16 111 440 5.7 3.1 20 6.5 520 6.1 3.1 22.9 6.8 5400 136 14 15 50 6.1 3.2 2.4 6.8 6.5 5628 1218 190.8 19 115 516 6.1 3.2 2.5 6.8 6.6 1428 160.8 171.6 19 15 6.1 3.2 2.5 6.8 6.14 124 174.4 160.5 3.1 22.5 6.8 6.161 19 16 111 44.6 23 24 6.8 6.161 112.6 13.1 22.5 6.8 6.161 13.2 2.5 6.8 6.161 11.6 13.1 22.5 6.8 <	2	62	444	6.3	3.2	28.4	7.0	7056	1491	194.1			
S 85 436 6.0 3.2 24.5 6.7 5544 1239 197.5 6 34 348 6.5 2.6 18.2 7.0 4557 1092 164.3 7 62 440 5.9 3.2 2.54 6.6 5754 1176 1692.6 9 67 312 5.8 2.9 18.4 6.6 5757 1033 171.8 10 54 280 5.6 2.9 14.3 6.4 2982 588 194.5 11 68 386 6.1 3.1 190 6.9 4388 987 153.6 12 111 356 5.9 3.2 2.43 6.6 5460 1155 161.4 13 115 500 3.2 2.43 6.6 5562.8 1218 190.8 967 14 115 520 5.7 3.0 2.46 6.5 562.8 1218 190.8 967 150.5 18 146 624 5.8	3	43	324	5.9	3.2	22.5	6.6	5145	1029	168.1			CONTRACTOR AND
0 0 0 0.1 0.01 0.03 0.03 0 0 0 0.01 0.01 0.01 0.01 0.01 1 0 1 0 5 3.2 2.54 6.6 575 1176 152.6 1 1 0 54 3.46 6.5 2.9 1.43 6.6 3927 903 171.8 1 1 56 3.66 2.9 1.43 6.6 3927 903 171.8 1 1 56 5.9 3.2 2.43 6.6 5460 1155 161.4 1 13 115 520 6.1 3.0 2.59 6.9 543 1365 182.7 14 115 520 5.7 3.0 2.46 6.5 5124 1118 190.8 1 16 111 446 6.4 5.9 6.63 6.50 160.8 165.8 1 19 155 16.1 3.2 2.54 6.8 6102 1050<	4	40	304	6.1	3.0	19.3	6.9	4557	966	164.7			
7 62 440 5.9 3.2 25.4 6.6 5754 1176 192.6 8 56 368 5.9 3.0 22.6 6.7 5019 1113 148.5 9 57 312 5.8 2.9 18.4 6.6 3927 503 171.8 10 54 280 5.6 2.9 14.3 6.4 2982 588 182.7 11 65 5.9 3.2 24.3 6.6 542.9 121 155 161.4 13 115 520 6.1 3.0 25.9 6.9 594.3 1365 182.7 14 115 520 5.7 3.0 24.6 6.5 552.8 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 967 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 165.8 19 115 516 6.1 3.1 22.9	5	85	436	6.0	3.2	24.5	6.7	5544	1239	197.5			
8 56 368 5.9 3.0 22.6 6.7 5019 1113 148.5 9 57 312 5.8 2.9 14.3 6.4 2922 588 194.5 10 54 220 5.6 2.9 14.3 6.4 2922 588 194.5 11 68 396 6.1 3.1 190.6.9 4368 997 153.6 12 111 356 5.9 3.2 24.3 6.6 5400 1155 161.4 13 115 520 5.7 3.0 24.6 6.5 5124 1134 180.0 15 80 392 5.9 3.1 20.9 6.7 4662 987 170.0 16 111 440 5.7 3.1 28.6 6.5 5522 1218 170.8 19 115 51.6 6.1 3.1 22.9 6.9 5502 1092 191.7 20 96 520 6.1 3.1 122.5 6.8	6	34	348	6.5	2.6	18.2	7.0	4557	1092	164.3			
8 56 368 5.9 3.0 22.6 6.7 5019 1113 148.5 9 57 312 5.8 2.9 18.4 6.6 3827 903 171.8 10 54 280 5.6 2.9 14.3 6.4 2802 588 194.5 12 111 356 6.1 3.1 19.0 6.9 4368 967 153.6 12 111 356 5.9 3.2 2.3 6.6 5402 1155 161.4 13 115 520 6.1 3.0 22.6 6.7 4962 967 170.0 14 115 520 5.7 3.0 24.6 6.5 5528 1218 170.0 18 146 624 5.8 3.0 23.0 6.6 4962 195.8 19 115 516 6.1 3.1 22.8 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0	7	62	440	5.9	3.2	25.4	6.6	5754	1176	192.6			
10 54 280 5.6 2.9 14.3 6.4 2982 588 194.5 11 68 396 6.1 3.1 190 6.9 4368 967 153.6 12 111 356 5.9 3.2 24.3 6.6 5400 1155 161.4 13 115 520 6.1 3.0 25.9 6.9 594.3 1365 182.7 14 115 520 5.7 3.0 24.6 6.5 5124 1134 180.0 15 80 382 5.9 3.1 20.9 6.7 4662 967 150.5 18 144 624 5.8 3.0 23.0 6.6 4998 1008 185.8 19 115 516 6.1 3.1 22.9 6.9 5502 199.7 17.0 22 54 356 6.3 3.1 192.7.0 4662 1050 171.1 190 17.7 6.0 3.1 22.5 6.8 5184 157.	8	56	368	5.9	3.0	22.6	6.7	5019	1113	148.5			
10 0.4 2.00 0.5 1.5 14.5 0.4 2.00 10.8 10.8 11 6.8 3966 6.1 3.1 19.0 6.9 4368 987 153.6 12 111 356 5.9 3.2 2.4.3 6.6 5460 1155 161.4 13 115 520 6.1 3.0 25.9 6.9 5943 1365 182.7 14 115 520 5.7 3.0 24.6 6.5 5124 1134 180.0 15 80 392 5.9 3.1 20.9 6.7 4662 987 150.5 18 114 440 5.7 3.1 26.6 6.5 5628 1218 190.8 19 115 516 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.4 <td>9</td> <td>57</td> <td>312</td> <td>5.8</td> <td>2.9</td> <td>18.4</td> <td>6.6</td> <td>3927</td> <td>903</td> <td>171.8</td> <td></td> <td></td> <td>) in the second se</td>	9	57	312	5.8	2.9	18.4	6.6	3927	903	171.8) in the second se
12 111 356 5.9 3.2 24.3 6.6 5460 1155 161.4 13 115 520 6.1 3.0 25.9 6.9 5943 1365 182.7 14 115 520 5.7 3.0 24.6 6.5 5124 1134 180.0 15 80 392 5.9 3.1 20.9 6.7 4662 967 170.0 16 111 440 5.7 3.1 26.6 6.5 5528 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 987 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 21 6.2 380 6.1 3.1 22.9 6.9 5502 190.2 191.7 22 54 356 6.3 3.1 19.2 50.4 181 157.7 22 54 356 6.3 5184 1124 174.4 <td>10</td> <td>54</td> <td>280</td> <td>5.6</td> <td>2.9</td> <td>14.3</td> <td>6.4</td> <td>2982</td> <td>588</td> <td>194.5</td> <td></td> <td></td> <td></td>	10	54	280	5.6	2.9	14.3	6.4	2982	588	194.5			
13 115 520 6.1 3.0 25.9 6.9 5943 1365 182.7 14 115 520 5.7 3.0 24.6 6.5 5124 1134 180.0 15 80 392 5.9 3.1 20.9 6.7 4662 987 170.0 16 111 440 5.7 3.1 26.6 6.5 5628 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 987 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 19 115 516 6.1 3.2 25.4 6.8 6027 1218 171.6 22 54 356 6.3 3.1 12.9 6.9 5502 199.2 191.7 23 53 380 5.7 3.0 18.1 6.5 5738 861 157.7 Avg. 75 417 6.0 3.1 22.5	11	68	396	6.1	3.1	19.0	6.9	4368	987	153.6			
16 111 440 5.7 3.1 28.6 6.5 5828 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 967 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 20 96 520 6.1 3.1 28.3 6.9 6636 1428 180.8 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.4 0.29 0.18 Extr 76 411 6.0 3.1 22.4 0.29 0.18	12	111	356	5.9	3.2	24.3	6.6	5460	1155	161.4			
16 111 440 5.7 3.1 28.6 6.5 5828 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 987 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 19 115 516 6.1 3.2 25.4 6.8 6027 1218 171.6 20 96 520 6.1 3.1 22.9 6.9 5602 1092 191.7 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4862 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.4 0.29 0.18	13	115	520	6.1	3.0	25.9	6.9	5943	1365	182.7			
16 111 440 5.7 3.1 28.6 6.5 5828 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 967 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 20 96 520 6.1 3.1 28.3 6.9 6636 1428 180.8 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.4 0.29 0.18 Extr 76 411 6.0 3.1 22.4 0.29 0.18	14	115	520	5.7	3.0	24.6	6.5	5124	1134	180.0			
16 111 440 5.7 3.1 28.6 6.5 5828 1218 190.8 17 90 572 6.2 2.9 20.0 7.0 4788 987 150.5 18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 19 115 516 6.1 3.2 25.4 6.8 6027 1218 171.6 20 96 520 6.1 3.1 22.9 6.9 5602 1092 191.7 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4862 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.4 0.29 0.18	15	80	392	5.9	3.1	20.9	6.7	4662	987	170.0			a a â
18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 19 115 516 6.1 3.2 25.4 6.8 6027 1218 171.6 20 96 520 6.1 3.1 28.3 6.9 6636 1428 180.8 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9	16	111	440	5.7	3.1	26.6	6.5	5628	1218	190.8			
18 146 624 5.8 3.0 23.0 6.6 4998 1008 185.8 19 115 516 6.1 3.2 25.4 6.8 6027 1218 171.6 20 96 520 6.1 3.1 28.3 6.9 6636 1428 180.8 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9	17	90	572	6.2	2.9	20.0	7.0	4788	987	150.5		2 26X 🔶 /	
19 115 516 6.1 3.2 25.4 6.8 6027 1218 171.6 20 96 520 6.1 3.1 28.3 6.9 6636 1428 180.8 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9		146	624	5.8	3.0	23.0	6.6	4998	1008	185.8			0 / 0
20 96 520 6.1 3.1 28.3 6.9 6636 1428 180.8 21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9		115	516	6.1	3.2	25.4	6.8	6027	1218	171.6		1	
21 62 380 6.1 3.1 22.9 6.9 5502 1092 191.7 22 54 356 6.3 3.1 19.2 7.0 4862 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9		96	520	6.1	3.1	28.3	6.9	6636	1428	180.8			
22 54 356 6.3 3.1 19.2 7.0 4662 1050 171.1 23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9		62	380	6.1	3.1	22.9	6.9	5502		191.7			
23 53 360 5.7 3.0 18.1 6.5 3738 861 157.7 Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9		54	356	6.3	3.1	19.2	7.0	4662	1050	171.1		- Marine Marine	
Avg. 75 417 6.0 3.1 22.5 6.8 5184 1124 174.4 Cor 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9		53	360	5.7	3.0	18.1	6.5	3738	861	157.7			
Cor., 0.26 0.19 -0.21 0.29 0.39 -0.24 0.29 0.18 Extr., 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9	_	. 75	417	6.0	3.1	22.5	6.8	5184	1124	174.4		S. Langered	
Extr 76 411 6.0 3.1 22.4 6.8 5161 1096 174.9												Y	23
										174.9		E Chiliprosoft Co	rporation ©
	Save	Cancel	Generate Samp	le Analysis R	Report H	ide Avera <u>c</u>	ges Shor	w Extracted A	werage Sho	w Correlations	Selected Data Analyses		

Sample Management / with Yield:

- · View per-sample chart of all elements tested.
- · Columns are adjustable. Show or hide any of the elements for a custom report.
- Option to show analysis averages and/or extracted sample averages.
- Compare a specific yield file to soil analysis. Yield values reflect averages from 50' radius around each sample point.
- With yield layer, a linear line of correlation is available.
- Generate colored report of field, sample point locations, yield analysis (optional), and chart of point analysis.
- · Ability to include nutrient recommendations based on analysis results.
- This tab also displays soil nitrate results, plant tissue results, soybean cyst or corn nematode results.



Data Tab - Functions Review continued...

C. Yield Management.

	Add checked tree items			
Account 🔺	Farm	Field	Sample Set	
Group 1	Ashkum	Ashkum East	2012-09-29 - Soybeans	
and a second	ne Fields: Smoothing: 🔽			
Field: Ashkum East - (2012-09-2	29 / yield) 🙁		Histor	ram (bu/ac)
			Color	Min. Value Area
▼3				< 12.90 0.45
				20.80 0.96
Company A				28.80 4.11
				36.70 16.48
	57			44.60 23.67
				52.50 12.41
				60.40 0.92
>==hp		S 2015 Miers Sont Corju	arabon 6 AND -87.97743, 40.85470	68.30 > 0.11
eld Management Grid (click ^ b	utton on right to expand)			
egment Raw	Min (bu/ac) Filtered Min (bu/ Raw Max (bu	/ac) Filtered Max (b Adjustment Total A	rea (ac) Total Yield (bu) Avg. Yield (bu/a	c)
	10 242.86	90 1 59.1	2752.85 46.57	

Yield Management:

- Display yield colored map and min. / max. / average values.
- Utilize Minimum bu/ac, Maximum bu/ac, or use Percentage adjustment to modify yield to desired values.
- Corrected yield values will replace raw data and reside in profile tree.
- Values can be reset to original raw values as needed.
- Multiple yield files can be entered to either combine datasets and/or combine fields.



Data Tab - Functions Review continued...

D. Yield Editor.

Data Viewer Sa	mple Ma	nagement	Yield Ma	nagement Yie	d Editor	Yield Analys	is Satshot (Ordering							
Yield Dataset							-	Yield Edito					Histogr	am	2
Remove All Add	checked	tree items]					Smooth	Pan -	Remove	Restore Poin	ts Clear-Sele	Color	Avg. Va	Area
Account 🔺	F	arm		Field		Sample Set				- Sinter	4	1 N. 1/.		17.36	0.47
Group 1	A	shkum		Ashkum East	:	2012-09-29 - :	Soybeans		the second state		PREAD OF			25.13	1.23
										and some of the second second				34.13	3.76
Segments			_							See.			-	41.16	16.26
Segment			Average Yiel	d (bu/ac)	Average	Moisture (%)								48.70	24.08
Segment 1			46.69		12.07							17 M		55.21	12.47
														61.58	0.81
														69.17	0.02
	_				_										
Filter Selection				1							2 51				
	_	Value	Deleted		_	Jse? Value					Z				
Flow Delay		0	0	Header Dwn R		V	0				N 800 East Rd				
Moisture Delay		0	0	Adjust for Moi		V			1		East	A THE			
Max Speed (mph)	V	6	11	Expand Dry?							Rd				
Min Speed (mph)	V	2	166	Manual Moistu	re Setting	15.5	-		200		<u>- 1</u>				
Maximum Yield	V	80	13	Remove GPS E	Drift?										
Minimum Yield	V	10	94	Turn Row Rem	ioval?		0			1					
St. Dev. Filter		0	0	Avg. Yield Ove	rride	0		3		1 and 1	14.1				
									A Control of Assoc	.	4 V 🔤				
								IT ALL	A CONTRACTOR						
								Aler.	1 Martin			A state of the second			
								1.200	- Restant			a was with a			
								De an	E.			Per la			
								bing	15 Microsoft (Corporation ©	AND 0.00	000, 0.00000			
								Yield Statis	tics						
								Туре	Mean	St. Dev.	CV	Points	Min	Max	
								Raw	46.692	12.810	27.435	12784	5.214	481.635	
								Clean	46.760	10.652	22.780	12500	10.063	78.787	
								I							
Apply Filters Sav	2														

Yield Editor:

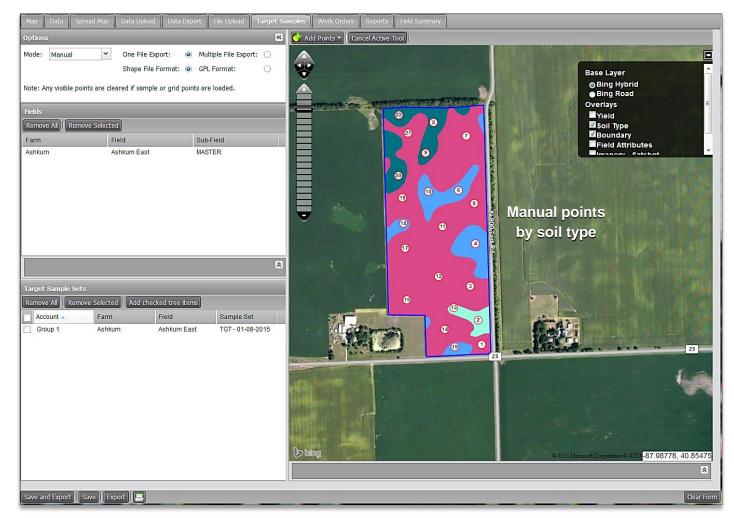
- Display yield colored map and min. / max. / average values.
- Yield can be displayed in smooth map format or by rows/points.
- Utilize USDA sanctioned filters to create a cleaning strategy.
- Apply filters to view Raw data vs. Cleaned yield data. Number of data points deleted will display.
- Utilize Selection tool to draw a polygon to view yield within a certain area. Separate Selection range values will display.
- · Save the clean yield file to profile.
- · Change the yield visual to rows / data points.
- Use a selection tool to draw a specific polygon to see data within defined area. Separate selection line of results will display.





Target Sample Tab - Functions Review continued...

3. Target Sample Tab



Target Samples:

- This module allows customers to create & set sample point locations by three different methods:
 - (1). Set points manually. (2). Set by grid patterns.
 - (3). Modifying existing sample points.

Manual:

Choose a field and set points randomly or use multiple layers as a guide (i.e. soil type, yield, imagery, as-applied, etc.).

Grid:

Choose a field and use the grid tool box to establish and position desired grid (2.5, 3.3, 4.4, 5.0, 6.6, 10 acres).

New From Old:

Choose a field and view existing master or other target sample points and edit as needed.

- Quickly set, add points, remove points, reposition or renumber points.
- Save Target Samples to profile tree. Rename the file as required.
- Export via shape or GPL file types.





Spread Map Tab - Functions Review continued...

4. Spread Map Tab

A. Rx Export

Rx Export Zones S	oil Zones Agvance Plans						
Saved Setup:	2015 LPK High Yld 🗸 🗸						<u>^</u>
Sample Grid							
Remove All Remove Se	elected Add checked tree items						
Account +	Farm	Field		Sub-Field		Sample Set	
Group 1	Ashkum	Ashkum East		MASTER		2008-10-08	
Combine Fields:							
Rx Setup							
Templates U of I LPK	*						
Events	Equation	Crop	Rx Nutrient +		Defaults		
Events: Soil Sample	(3 Items)				Parameter	Value	
Soil Sample	U of IL Lime	All	Ca		Soybean_Yield	65	<u>^</u>
Soil Sample	U of IL K	All	к		Kapp_years	2	
Soil Sample	U of IL P	All	P		CEC	15	
					к	300	
					Corn_Yield	210 0	
					Kbase_level	6	
					tgt_ph	6.1	
					Pbase_level	50	
					P	50	-
Product Setup							
Order A Nutrient	Product	Cost Min Cutoff (L	bsorGal) Min B	ate (Lbs or Gal) M	ax Rate (Lbs or Gal)	+/- (Lbs or Gal)	Adjustment (%)
V 1 K	Potash	0 75	75		50	0	1
✓ 2 Ca	Lime	0 1000	1000	6(000	0	1
⊻ 3 P	DAP	0 100	100	4	00	0	1
Application cost \$/acre:		Separate Reports Per Field:					
Controller Type:	Raven Viper 👻	Include PDF:	\checkmark				
Shape Export Options:	Vectorized	Use the following charac					
PDF Background:	○ None	d c (customer name)	m (farm name)	f (field nar			
Method:	1R4 ¥	p (product name)	_ (underscore)	# (a uniqu			
Controller File Template:	cccc_mmmm_ffff_pppp	For example, "ffff" will t The current data and ten	e replaced with the plate will produce fi	first 4 characters of t lenames like:	he field name.		
7		Grou_Ashk_Ashk_Pota.s Grou_Ashk_Ashk_Lime.s	hp				-
Preview Application Crea	te Application Report Initiate Export Save A	Application Save Setup Create F	ield Summary Applicatio	ons			Delete Setup Clear Form

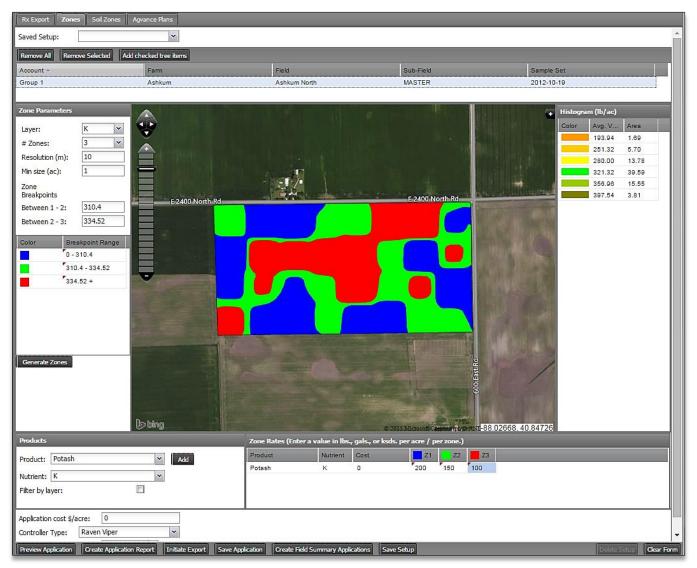
Rx Export Tab:

- Create variable rate spread maps and controller files for different products and spreader types.
- · Utilize university or custom equation templates to setup fertility recommendations.
- Edit template defaults to customize the fertility setup (i.e. yield goals, applications years, build-to levels).
- · Choose standard or custom products per nutrient. Enter product costs to run financial scenarios.
- Modify spreader controls with Minimum Cutoff / Minimum Rates / Maximum Rates / Adjusting by or + lbs / % Adjustment.
- Choose from many industry controller types (Raven Viper, John Deere, Ag Leader, Case, Trimble, Falcon Tiff, etc).
- Choose the type of map background desired (clear, satellite image, road maps).
- · Run as many application reports as needed.
- Save Applications that can reside in the profile tree. Recall or delete them at any time.
- Utilize the Save Setup function to save specific fertility recommendations to be used with multiple soil datasets. Save time and effort by creating multiple setups which represent your or your customers' fertility needs. No need to create recs. from scratch each time.
- Include yield data with soil datasets to factor maintenance. Zero yield goal values to activate yield data in recommendation.
- Ability to run just yield files separately. Use specific removal templates for putting back what yield took off the field.



Spread Map Tab - Functions Review continued...

B. Zones.



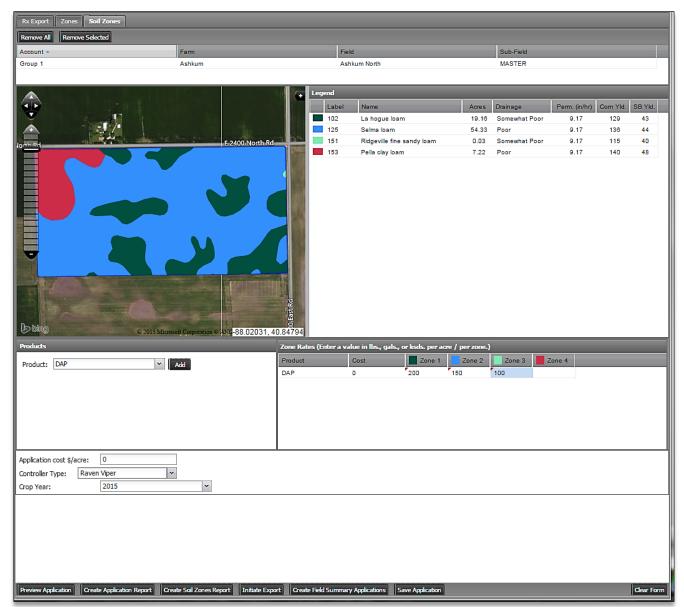
Zones Tab:

- · Create flat rate zone spread maps and controller files for different products and spreader types.
- Choose nutrient to create custom zones. Control value breaks by setting customer values within Zone Breakpoints.
- · Modify Resolution and Minimum Acres sizes.
- · Choose standard or custom products per nutrient. Enter product costs to run financial scenarios.
- Choose from many industry controller types (Raven Viper, John Deere, Ag Leader, Case, Trimble, Falcon Tiff).
- · Run as many application reports as needed.
- · Save Applications that can reside in the profile tree. Recall or delete them at any time.
- Utilize the Save Setup function to save specific zone parameters. Save time and effort by creating multiple setups which represent your or your customers' fertility needs. No need to create recs. from scratch each time.
- Bring in Yield data to break bu/ac values into zones.
- Ability to create planting controller files as well. Enter seed populations and determine how many bags are needed.



Spread Map Tab - Functions Review continued...

C. Soil Zones.



Soil Zones Tab:

- · Create flat rate soil zone spread maps and controller files for different products and spreader types.
- Entered field will generate soil type breaks automatically. Soil breaks will be designated as the zones.
- · Choose standard or custom products per soil type zone. Enter product costs to run financial scenarios.
- Choose from many industry controller types (Raven Viper, John Deere, Ag Leader, Case, Trimble, Falcon Tiff).
- · Run as many application reports as needed.
- · Save Applications that can reside in the profile tree. Recall or delete them at any time.
- Run a standard Soil Zones Report to show soil designations within the field. Report labels the soil type IDs, acres, drainage, permeability and expected yield for corn & soybeans.
- Ability to create fertilizer or planting controller files. Enter pounds of product or seed populations to determine how much product is required.



Data Upload Tab - Functions Review continued...

5. Data Upload Tab.

Map Data Spread Map Data Upload Data Export Fil	e Upload 📕 Target Samples 📕 Work Orders 📕 Reports 📕 Field Su	mary
Profiles		
Remove All Remove Selected		
Account 🔺	Farm	Field
Group 1	Ashkum	Ashkum East
Upload Type		
© Sample	© Yield	© Boundary
© Veris	©' Imagery	© As Applied
Boundary and Sample	© Boundary (Agvance)	©' Sample (Agvance)
Sample Details		
Work Order # Work Order D	ata Sets 🗸	
Sample Date: 2015/10/06		
Use sample date from file (if available)	oil Samples	
Lab: USI ~		
Import Config: IFarm Sample Reimport	~	
File: Choose File No file chosen		
Association Mode:	lame	
Overwrite Existing Boundaries	Duplicates	
E-mail batch upload results to:		
Boundary Import Details		
Import Config: IFarm BDY Reimport	~	
Profile: Ashkum East		
Upload		Clear Form

Simple Upload of Data:

- Simply drag the field into the account window and go through the upload type and setup configuration.
- Many data / configuration types available (soil samples, boundaries, yield, imagery, as-applied, Veris, etc).
- If large uploads, you can set it up to be emailed when uploads are completed.
- All uploads performed in the background so you can still work in the program while the upload takes place.



Data Export Tab - Functions Review continued...

6. Data Export Tab.

Map Data Spread Map Data Upload Data Export	File Upload 📗 Target Samples 📗 Work Orders	Reports Field Summary	
Remove All Remove Selected			
Account - Farm	Field	Sub-Field	Area (acres)
Group 1 Ashkum	All	All	
Export Options			
	gery: 🔲 As Applied: 🔲		
Most Recent:			
	ort as GPL: 🔲 Export as Greenplan:		
	Individual CSVs		
Export Units: Ib/ac			
lb/ac			
ppm			
Export			

Simple Export of Data:

- Simply drag the field / farm / grower or location into the account window and go through the export options required.
- Many data export types available.
- Export as lbs/acre or ppm.
- The export process is very efficient. Export large amounts of data in seconds or minutes.
- All exports performed in the background, so you can still work in the program while the export takes place.
- Exported files will reside in the File Manager.



File Upload Tab - Functions Review continued...

7. File Upload Tab.

Map 📗 Data 📕 Spread Map 📗 Data Upload 📗 Data Export 📗 F	le Upload Target Samples Work Orders Reports	Field Summary			
Orag a profile from the tree into the box below.	Type: All VISers: ALL V				
Profile:	File Name 👻	Туре	Upload Date	Profile	User
ýpe:	Upload Date: 2013-08-12 (2 Files)				
pload File: Choose File No file chosen	midtech resolution 5 capped 2000.zip	Unknown	2013-08-12		tchaplin
Add Another File	midtech resolution 5 capped.zip	Unknown	2013-08-12		tchaplin
	Upload Date: 2013-10-17 (3 Files)				
	Growmark - Field Level Advanced Yield Anal	Unknown	2013-10-17		Del 20150901_111
	GP Yield Rpts.zip	Unknown	2013-10-17		Del 20150901_111
	GP Fertility Rpts.zip	Unknown	2013-10-17		Del 20150901_111
	Upload Date: 2013-11-20 (1 File)				
	tissue limits.csv	Unknown	2013-11-20	Data Upload	smillerGPL
	Upload Date: 2015-07-27 (1 File)				
	2010120740 Lance & Gary.zip	Unknown	2015-07-27		awiebers
	Upload Date: 2015-09-09 (1 File)				
	Shallow Contour.shp	Unknown	2015-09-09		VHLEW1
	□ Upload Date: 2015-10-02 (1 File)				
	<u>RCD.zip</u>	Unknown	2015-10-02	Jackson, Randy	mlarson
alaad Reset Onsite	Delete Selected Files				

Manage Large Uploads:

- This tool allows customers to quickly upload large amounts of data into I.F.A.R.M.
- Drag your profile into the profile window, select the type of files to be uploaded, browse and find the files (i.e. zipped folder), upload.
- This is ideal for transferring zipped folders of boundaries-points; yield or as-applied data.
- Once the data is uploaded, I.F.A.R.M. technical support can get at the data and upload for the clients.



Booklet Report Tab - Functions Review continued...

8. Booklet Report Tab.

	Name: Test Booklet							
ie Id:		×						
	ove All Remove Selected					2014		
	up 1		Farm			Field		
ook	let Report Selections							
2	Cover Sheet							
57	Gald Davadoor Mar		Field Labels: Lat/Lon Format: Zoom Level: Boundary:	Deci © Zo	Name & Acres mal comed Out rtlined	© Centered	© Zoomed In	
v 1	Field Boundary Map		Color: Field Text Color:	© Bl		© White		
			🗖 All		V Yield	Analysis Per Pa	ge:	
m	Yield Map		☑ Moisture Yield Display:	Smo	Elevation oth	© One	© Four	
2	Soil Type Map							
7	Sample Analysis Report		Map Overlay: Show Averages:	© No ⊜ Ve ☑	one ris EC_1ft	© Yield @ Veris EC_3ft	🖱 Soil Type	
V	Soil Data Analysis Map		☑ P ☑ K ☑ pH □ om	- N Mg Mn S	E Ca CEC bpH	PerCa PerMg PerK PerH	Analysis Per Page: One Four	
-	Rx Spread Application Ma	ар	Application Setup			~	Clear Base Layer:	
ettir	195				Recipients			
aved omb ise d	l Report Setup: ine Datasets: latasets no older than:	JR C td	× ×		Name A Customer A and M Concept	Email gfisher@unitedso edgar@email.com is rtt2500@yahoo.co	1	
lun a laste	at scheduled time: er base layer for reports:	0 10/07/2015	🗇 Bing Roads		AG VIEW FS AG VIEW FS Print AG VIEW FS Var AG VIEW FS Var AG VIEW FS_Asi	ic bjohnson@agvlev na cbrown@agvlew% ht dhillison@agvlew	vfs.com .com fs.com	
LUC		Clear Attachment			Advance Crop Te	a mogrewb63@gma	ill.com	

Booklet Reporting:

- This provision allows customers to create any report in I.F.A.R.M. from this one function. No need to go into the program functions to output a specific report.
- Use the different reporting options to select a specific report output package.
- Customers can drag in single or multiple fields, or even entire farms / growers.
- · Reports can be created immediately, or scheduled for a specific date / time.
- If desired, specific documents / files can be attached as part of the reporting process.
- Customers can create a setup that saves desired reporting options for ease of use and time savings.
- Choose multiple email addresses to send results. Easily add new contacts.
- Emails are sent with a Download link. Clicking the link will open the reports. Actual PDF files are not sent.
- Once PDF files are open, customers can print or save the files to their computer.



File Manager - Functions Review continued...

9. File Manager.

Archive Mode: 🔲 Send to: 🗛	hive Onsite Storage Card	Start: 04	/28/2014 📧 End: 05/05/2014
JOB NAME	FIELD	GROWER	SCHEDULED -
STATUS: Complete (13)			
Raven Viper Export with PDF	Ashkum East	Group 1	2014-05-05 14:53:25
Sample Analysis	Ashkum East	Group 1	2014-05-05 14:52:00
Data Analysis Report	Ashkum East	Group 1	2014-05-05 14:51:46
Data Analysis Report	Ashkum East	Group 1	2014-05-05 14:51:23
Field Report	Ashkum East	Group 1	2014-05-05 14:25:29
Farm Management Report		Group 1	2014-05-05 14:24:54
Field Report	Ashkum East	Group 1	2014-05-05 14:21:41
Zone Application Report	Coleta Genesee Twp	USI Soil Test Experiments	2014-05-05 13:55:25
Soil Map Report	Coleta Genesee Twp	USI Soil Test Experiments	2014-05-05 13:49:21
Prescription Report	Mason Farm South	Test Fields	2014-05-05 13:08:04
Zone Application Report	Mason Farm South	Test Fields	2014-05-05 12:45:08
Prescription Report	iFARM Onarga East	iFARM Demo	2014-05-05 11:49:04
Prescription Report	Maroa B	Group 1	2014-05-05 11:44:38

File Manager:

- All reports / files created while using I.F.A.R.M. gets saved to the File Manager.
- The File Manager is customizable. Users can expand the viewing box, adjust column order, alternate newest to oldest records, etc. Clicking Save Format maintains the File Manager format as desired.
- Multiple search features are available to look for a specific report. Search by date range, grower, farm & field name.
- An Archive feature is available to save important or time-sensitive information.
- The user drop-down feature allows customers to see others' File Manager contents. This is available only through permissions with the sharing parties.
- Onsite connection available. Pass data straight from I.F.A.R.M. into Onsite's cloud network, then directly to other users on the network or to equipment in the field. To learn more, go to the Partners link.
- The Storage Card feature is dependent on Java, and will allow I.F.A.R.M. to locate any external drive (usb or memory card) plugged into the host computer. Once detected, the customer can simply click on the Start Transfer button, and the files will be quickly loaded to the storage device.
- Right click on any file in the File Manager to view options (Show Results, Retry Job, Delete Job).