

# Valley<sub>®</sub> Scheduling<sup>™</sup>

Client User Manual

0980513\_0

This page was left blank intentionally

Requirements	4
Introduction	4
Getting Started	
Sign In	5
Dashboard	5
User Preferences	6
Using Valley Scheduling	
Dashboard Overview	7
Information Triangle ${ m  m \AA}$	10
Five-Day Irrigation Forecast	11
Field Map	12
Seven Day Forecast	12
Decision Table	13
Weather Forecast	14
Result Management	15
Printing / Saving	16
All Tabs Report for a Field	16
Graph Tab	20
Default Profile	21
Custom Profile	22
Table Tab	23
Root Zone Tab	24
Decision Tab	26
Occurrences Tab	27
Information Tab	28
Data Icon	
Daily Data Simplified Registration	29
Farm Weather Icon	30
Readings Tab	30
Graph Tab	32
Import Tab	33
Export Tab	35
Imagery Icon	36
NDVI Tab	36
Scheduling Icon	37
Irrigation Scheduling	37
View / Edit	40
Saving / Printing	41
Saving	42
Printing	43
Reports Icon	44
Generating Monthly Reports	44
Viewing Monthly Reports	45
Printing	47
Exporting	48
Editing	49

# Introduction

This manual illustrates how to use Valley<sub>®</sub> Scheduling<sup>™</sup> if you are in a Client role. Its use is online only which requires access to the internet and a user name and password for login.

Valley Scheduling is used to gather the user-entered values and or values acquired from various weather stations and sensors in order to make irrigation scheduling suggestions.

All information in this manual is based on information available at the time of printing. Valmont Industries Inc. reserves the right to make changes at any time without notice and without incurring any obligation. Specifications are applicable to equipment sold within the United States, and may vary outside of the United States.

#### **Requirements**

- Access to the internet.
- Internet speed: 25 Mbps or above download, with 2 Mbps upload preferred.
- Recommended Browsers: Google Chrome<sup>™1</sup>, Firefox<sup>®2</sup>, Safari<sup>®3</sup> or Microsoft Edge<sup>™4</sup>.

<sup>1</sup> Google Chrome<sup>m</sup> is a trademark of Google LLC.

<sup>2</sup> Firefox<sup>®</sup> is a registered trademark of the Mozilla Foundation.

<sup>3</sup> Safari® is a trademark of Apple Inc., registered in the U.S. and other countries.

<sup>4</sup> Microsoft Edge<sup>™</sup> Is a trademark of Microsoft Corporation, registered in the U.S. and other countries.

# **Getting Started**

### Sign In

At the sign in screen, enter your **Assigned User ID** (usually an e-mail address) (1) and password (2), then click **Sign In** (3). See Figure 5-1.

### Dashboard

Valley Scheduling opens to the Dashboard (1). Refer to Figure 5-2.

The dashboard screen allows a quick overview of everything going on with the farm.

The default farm is displayed with fields (2) and Irrigation Forecast (3) on the map, and the Decision table (4) below. Farm Weather (5) and Weather Forecast (6) are at the bottom of the page.





# **Getting Started**

### **User Preferences**

The User Preference settings for units, display formats and language can be changed at any time.

In the upper right hand corner of the display, the gear icon allows access to the user preferences. Choose from Celsius or Fahrenheit temperature units, Imperial or Metric measurement units, three date display formats, two number display formats and languages: English, Portuguese, Russian, Spanish or Turkish. The languages can be very useful for communicating irrigation needs when different languages are spoken by growers and farm workers. For the mobile app, the language setting for the phone is automatically set as the language for Valley Scheduling.

For example, to set the Measurement System user preferences, refer to Figure 6-1 and do the following:

- 1. Click the Gear icon.
- 2. To choose a different Measurement System, click the **Arrow** to show all the choices.
- 3. Select either Imperial or Metric. The change is made immediately and the user preferences screen closes.
- 4. Repeat steps 1 through 3 as needed to set other user preferences.



Figure 6-1 1. Gear 2. Arrow

#### **Dashboard Overview**

Figure 7-1 shows a typical dashboard for a farm. From the dashboard the user can access all functions.



### **Dashboard Overview**

#### Menu

The Menu icon is located in the upper left corner of the screen. Click the icon to display the menu, then navigate to a feature of interest. Refer to Figure 8-1.



Figure 8-1 1. Menu

#### **Selected Farm and Search**

The name of the Selected Farm that is currently displayed is shown at the top of the screen. To display a different farm, click on the selected farm to open the search window. The search window displays the available farms that you can view and edit (depending on your permissions). Select a farm to view or enter the farm name in the Search. Refer to Figure 8-2.

#### **Shortcut Icons**

There are several shortcut icons across the top of the screen. You can use these shortcuts at any time to go directly to frequently used screens in the Valley Scheduling application. Refer to Figure 8-2.



Figure 8-2 1. Selected Farm

- 2. Dashboard: Shortcut to the Dashboard
- 3. Data: Shortcut to Daily Data/Simplified Registration
- 4. Farm Weather: Shortcut to Daily Data/Farm Weather
- 5. Imagery: Shortcut to Daily Data/Imagery
- Scheduling: Shortcut to Irrigation Management/ Scheduling
- 7. Reports: Shortcut to Reports/Irrigation Reports
- 8. Fields: Shortcut to Farm Organization/Fields

### **Dashboard Overview**

#### Zoom

To zoom in click (+) and to zoom out click (–).

#### **Search Fields and Stations**

Use to search for a field or select a field or weather station from the list. To open the fields and stations search, click the magnifying glass icon.

#### **Full Screen View**

For a full screen view of the map, click the toggle to expand or collapse the map view.



Figure 9-1 1. Zoom In (+) and Out (-)

- 2. Search fields and stations
- 3. Toggle full screen view

2. Display Sensors

#### **Display Sensors**

To open or close the sensor display drawer, click the arrow. Toggle the sensor type on to display the sensors on the map or toggle off to hide. Refer to Figure 9-2.



#### Legend

Click to display the color, sensor and climate legend. Refer to Figure 9-3.

- Blue Soil moisture is full.
- Green Soil moisture is in a good range.
- Yellow Soil moisture is low.
- Red Soil moisture too low. Crop is likely to be stressed.



Figure 9-3 1. Legend

### Information Triangle 🖄

When critical information about the field, crop or data is available, the information triangle is displayed on the dashboard decision table next to a field name. Hovering over the triangle displays a popup message above the field row. The information triangle is also displayed on the fields result management page occurrences tab.

When the information triangle is displayed, go to the Occurrences tab to view the message. Refer to Figure 10-1.

To view the Occurrences tab do one of the following:

- Go to the **Dashboard** and click on the **Field Name** in the decision table to display the Fields Result Management page. Then click the **Occurrences** tab.
- If the dashboard decision table is not populated with a field name, click Menu, Farm Organization and Fields. On the Manage Fields page, click the Management icon in front of the field name, select the Calculation Option and click Calculate to display the Fields Result Management page. Then click the Occurrences tab.
- If the field name cannot be found, please contact your Valley Dealer Consultant.



Figure 10-11.Information Triangle3.Popup Message5.2.Farm Name4.Fields Result Management

### **Five-Day Irrigation Forecast**

In this irrigation forecast, a five day irrigation forecast is displayed for all fields associated with the farm. Refer to Figure 11-1.

The first day of the forecast shows the moisture status and inches of irrigation needed as of the end of the day last night near midnight. The forecast bubbles to the right indicate what will happen if you don't irrigate over the next four days.

You can click on any day of the forecast to gain additional information, such as pivot speed recommendations, hours of irrigation needed, degree days, forecast rainfall and Reference ET (ETo). This forecast is updated at the end of each day or every two hours depending on the farm update setting.

To print the forecast, click the **Printer** icon. This will print the five day irrigation forecast for all fields associated with the farm.

To collapse or expand the irrigation forecast window, click the Collapse / Expand icon.





Figure 11-1 1. Irrigation Forecast 3. 2. Additional Information 4.

3. Print

4. Collapse/Expand

### Field Map > Seven Day Forecast

The Dashboard provides an interactive field map showing all managed fields on your farm. Refer to Figure 12-1.

The fields are color-coded to indicate current day soil moisture status just like the irrigation forecast. Icons show the locations of the monitoring sites and weather stations.

The map is interactive so when you click on a field, a seven-day extended irrigation forecast will appear. Click on any individual day in this forecast and gain access to the additional forecast details provided by the five-day forecast.

To access the result management screen click the Graph icon.

To return to the seven-day forecast, click Back.



#### **Decision Table**

The decision table gives you a customizable table of all the current data for all your fields in a convenient list view. Refer to Figure 13-1.

The background color of each field row represents the current soil moisture the same as the irrigation forecast and map. The information on the decision table provides expanded soil moisture, root zone and irrigation details such as:

- Days since planting (Days)
- Days before stress (Days to Stress)
- Available water in the root zone (Allowable Depletion)
- Approximate root depth (Root Depth)
- Irrigation needed to fill the soil today (Irrigation Depth)
- Irrigation the last 7 days (Last 7 Days)
- Irrigation needed the next 7 days (Next 7 Days ETc Maintain and ETc+Soil)

This information is included in the default information formats. However, the information that can be included in this table is customizable from an extensive list of options to meet your specific preferences. To change between information formats, click the format arrow and choose a format type.

The field display can be set to display All Fields, only the Active fields or only fields with a Historical record. To change the field display, click the display arrow and choose a display type.



Figure 13-1 1. Decision Table

3. Field Display

2. Information Format

### Weather Forecast

Scrolling down to the bottom of the page on the dashboard screen, you will see the weather forecast. Refer to Figure 14-1.

The Weather displays yesterday's weather from a local weather station. However, if an AgSense Weather Station is integrated with Valley Scheduling, the current weather will be displayed and updated hourly.

The Weather Forecast displays the forecast for the next seven days. Each individual day gives you a forecast for Temperature (high, low, average), rainfall, solar radiation, relative humidity and wind speed.



Figure 14-1 1. Weather 2. Weather Forecast

14 Valley Scheduling

#### **Result Management**

The result management screen allows you to go deeper into your data. Refer to Figure 15-1.

You can navigate to this screen from the dashboard by clicking on a field in the decision table, or by clicking on the graph icon in the seven-day forecast. This will take you to the Graph tab, where you will see your irrigation management summary for the selected field.

To view a different field, click the arrow and choose a field from the drop-down list.

From the result management screen, advanced users may want to navigate to other screens to adjust platform settings. To go to the edit fields screen click the edit pencil or go to the manage fields screen by clicking the back button.



### **Result Management > Printing / Saving**

To print or save the result management screen tabs, click print. This opens the field print screen, by default, only the default graph of the current field is selected to be printed or saved. However, you can change the print settings to match your needs. Refer to Figure 16-1.

### Print / Save > All Tabs Report for a Field

For this example all the tabs for the current field will be printed. Refer to Figure 16-1 and do the following:

- 1. On the Result management screen, click Print.
- 2. For this example, Fields to be printed should be set to Just this field.
  - To change to a different field or select more fields, click Just this field and then select More Fields and the Active and Archive field categories are displayed. Expand a field category by clicking the category title or the arrow, then check or uncheck fields as desired.



### Result Management > Print / Save > All Tabs Report for a Field

- 3. For this example, under Tabs to be printed, all of the tabs are selected. To change what will be printed check or uncheck the tabs as desired. Refer to Figure 17-1.
- 4. Optional: To make changes to the a tab configuration, click the tab Configure Category or arrow and then check or uncheck the data and information to configure what you want to be shown.
- 5. When done, click **Print** and the selected information is compiled into a report on the result management screen.
- 6. Click Print Report.



### Result Management > Print / Save > All Tabs Report for a Field

- 7. In the print window, shown in Figure 18-1, you can do one the following:
  - Print to a selected printer: Click Change, then select a printer. Adjust the settings if needed.
  - Save as a PDF file: Click Change, then select Save as PDF. Adjust the settings if needed.



- 2. Destination
- n 4. Settings

### Result Management > Print / Save > All Tabs Report for a Field

- 8. Refer to Figure 19-1, and do one the following:
  - To print: click Print and the document should print on the printer you selected. Refer to Figure 19-1.
  - To save: click Save.
    - (a) Navigate to the location where you want to save the report.
    - (b) Enter a meaningful File Name.
    - (c) Click Save and the file should save to the selected location.

Print G2 Farming CSC 312 1/3   Total: 7 sheets of paper (13 page) P25162-1 on USVAL G2 Farming CSC 312   Destination P5162-1 on USVAL 1m.   Pages All 0 sc. 1-5, 8, 11-13   Copies 1   Layout Portrait   Portrait Save as PDF   Color Color   Color Color   Pager size Letter (8.5 x 117)   Pager size Letter (8.5 x 117)   Pager size Default	
Print       Cancel         Destination       P 516E-1 on USVAL 516 Eakes Service Call Change       118         Pages       All         e.g. 1-5, 8, 11-13       94,8 x         Copies       1         Layout       Portrait         Paper size       Letter (8.5 x 11")         Pages       All         Golor       Color         Paper size       Letter (8.5 x 11")         Pages       All         Oper size       Letter (8.5 x 11")	
Destination Destination Default Portrait Paper size Letter (8.5 x 11") Paper size Paper size Letter (8.5 x 11") Paper size Paper	
Pages  All eg. 1-5, 8, 11-13 Copies I Layout Portrait Color Color Color Color Destination Save as PDF Change Pages All eg. 1-5, 8, 11-13	
Pages () All (e.g. 1-5, 8, 11-13) Copies 1 Layout Portrait Color Color Color Color Color Change Paper size Letter (8.5 x 11') Classifier (8.5 x 11') Clas	
Copies     1       Layout     Portrait       Color     Color       Paper size     Letter (8.5 x 11")       Pages     All       0     e.g. 1-5, 8, 11-13	
Color	
Layout Portrait  Portrait Color Color Color Destination Destination Destination Pages All Default Default Default Default Destination Dest	ETp
Color     Color     Destination     Save as PDF       Paper size     Letter (8.5 x 11")     Change       Pages     All       O     e.g. 1-5, 8, 11-13	9% 21.35 in 2
Paper size Letter (8.5 x 11")  Pages  All Pages  All Sowc Sowc Sowc Sowc Sowc Sowc Sowc Sowc	
Margins     Default     • e.g. 1-5, 8, 11-13     25 wrc	
Margins Default	
	reform to so other b.
Quality 600 dpi  Layout Portrait	
Scale 80 Paper size Letter	igation (in)
Options I Headers and footers I Two-sided Margins Default	
Background graphics Scale 80	
- Fewer settings Options I Headers and footers	
Background graphics	
- Fewer settings	
Save As	;
← → ♥ ↑ → This PC > Documents > Valley Scheduling ♥ ♂ Search \	/alley Scheduling 🔎
This PC Name Date modified Type Size	8== •
30 Objects No items match your search.	
Documents	
Ucomicads	
File name: G2 Farming CSC 312.pdf	1
Save as type: Adobe Acrobat Document	
Hide Folders     (5)	
igure 19-1 1. Print 3. Navigate 5. Save	ave Cancel

### **Results Management > Graph Tab**

On the Graph tab, you can see a summary of totals for the season for the field shown, the number of days the data was recorded, total irrigation applied, total rainfall, how effective the irrigation was, total potential ET, ETp, calculated actual crop ET, ETc, and total stress index for the field. Refer to Figure 20-1.

To switch to a different field, click on the field name and select from the list that appears.

In the graph you can see the daily activity. Hover over sections of the graph to see a specific day's information.



#### **Results Management > Graph Tab > Default Profile**

The graph has a default profile that is set to show the subject of Soil Moisture field capacity percentage and graph the FC, MAD, Soil Moisture, WP, Irrigation, Precipitation, Flags and Justification of Excess data types. Refer to Figure 21-1.

You can change the subject of the graph from Soil Moisture field capacity percentage, to Soil Moisture weight percentage or Available Water in inches.

To change the subject, click Menu and the Subject, then select a different subject from the list.

If there are no other profiles, the default profile is displayed. The tabs below the profile contain lists of displayed data options for Irrigation, Soil, Crop and Weather data types. On the Irrigation tab notice that the data types that are currently displayed in the graph are bold. The data type and color appear in the color key below the graph.



### **Results Management > Graph Tab > Custom Profile**

You can customize what information is displayed on the graph and save the profile.

To create a custom profile, refer to Figure 22-1 and do the following:

- 1. Click Menu and the Profile, then select Create a new profile.
- 2. Choose data types for the graph. Select the data type to toggle between bold text for inclusion and regular text for exclusion. You should notice the data type being added or removed from the graph and color key.
- 3. Enter a **Profile name** and click **Save**. After the profile is saved it appears in the profile list. When you make a change to the profile that you want to keep, click **Save**. To delete the profile click the **X**.



#### **Results Management > Table Tab**

On the Table tab, you can see and customize your daily irrigation management data in a table format. You can view all data, by overall global average, by (growth) stage, annual, monthly, or ten-day intervals. Refer to Figure 23-1.

You can change the subject of the table tab from Soil Moisture field capacity percentage or Soil Moisture weight percentage. To change the subject, click the Subject, then select a different subject from the list.

Clicking Clear Table clears all the columns from all the screens on the table tab. To restore the default columns to the screens choose a different subject.

Use Search to search the current screen by a date.

You can change which columns are displayed. Click the Column menu. Check a title to show the column and uncheck a title to hide the column.

ult Man	ageme	ent													
ph Tabl	le Root	t Zone D	ecision	Occurrences	Informa	ation									
CON5 (	(Potat	0)									ദ	C	۰ رو		
)										Cle	ar Table	Soil Moist	ture (%FC)		
ll data G	Global aver	rage By St	age Ani	nual Mont	hly Ten	day				(	4 Searc	:h		<b>    -</b>	
Date	FC	MAD	Soil I	Voisture	WP	Irrigatio	n Pre	cipitation			Flag				
	(%FC)	(%FC)	(	%FC)	(%FC)	(in)		(in)							
5/16/2018	100.00	80.00	1	00.00	0.00	0.00		0.00						Î	
5/17/2018	100.00	80.00	1	00.00	0.00	0.00		0.04							
5/18/2018	100.00	80.00	1	00.00	0.00	0.00		0.00							
5/19/2018	100.00	80.00	1	00.00	0.00	0.00		0.00							•
Fiel Resul	ds t Mana Table	agement Root Zo	ne Dec	• ision Occ	O SO	Informatic	n <b>(* 6</b>	٢	vuile	SCHEI	DULING		S Client -		。 。
Fiel Result Graph	ds It Mana Table ON5 (I	agement Root Zo Potato)	ne Dec	ision Occ	© Ø	Informatic	n <b>C @</b>	0	vuile	Y SCHE	DULING		S Client -	-	© * « (
Fiel Resul Graph	ds It Mana Table ON5 (I	agement Root Zo Potato)	ne Deci	ision Occ	© Ø	Informatic	n	0	vuile	Y SCHE	Clear	Table s	S Client •	re (%FC)	© ( ( ( ( ( ( ) ( ) ( ) ( )
Fiel Resul Graph	ds It Mana Table ON5 (I	agement Root Zo Potato)	ne Deco By Stat	ision Occ ge Annual	• • • • • • • • • • • • • • • • • • •	Informatic y Ten day	n		Vulle	N SCHE	Clear	Table search	S Client 👻	re (%FC)	<ul> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(5)</li> <li>(1)</li> </ul>
Fiel Resul Graph ICC	ds It Mana Table ON5 (I data Gla	agement Root Zo Potato) Iobal average FC (%FC)	ne Dec By Stag MAD (%FC)	ision Occ ge Annual Soil Mois (%FC)	Monthly	Informatic y Ten day WP (%FC)	n / / Irrigation (in)	Precipita (in)	ation	Y SCHE	Clear	Table s Search FC (%FC) MAD (%FC)	Soil Moistu	re (%FC)	。 《 》 》 》 》 》 》 》
Fiel Resul Graph IC All d Da	data Gluate 16/2018	agement Root Zo Potato) tobal average FC (%FC) 100.00	ne Dec By Stag (%FC) 80.00	ision Occ ge Annual Soil Mois (%FC) 100.00	Monthly turrences	Informatic y Ten day WP (%FC) 0.00	n ( Irrigation (in) 0.00	Precipita (in) 0.00	ation	N. SCHE	Clear	Table s Search FC (%FC) MAD (%FC) Soil Moistur Touch Feelir	Soil Moistu	re (%FC)	() (5) (5) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
Fiel Resul Graph ICO All d 05/ 05/	data Gla the constant of the c	agement agement agement agement agement blobal average FC (%FC) 100.00 100.00	ne Dec By Stat (%FC) 80.00 80.00	ision Occ ge Annual Soil Mois (%FC) 100.00	Monthly	y Ten day (%FC) 0.00 0.00	n (in) (in) 0.00 0.00	Precipita (in) 0.00	ation	Y SCHE	Clear	Table     s       Search     FC (%FC)       MAD (%FC)     Soil Moistur       Touch Feelit     Soil Moistur	Soil Moistu e (% <i>FC)</i> ng (% <i>FC)</i> e by Sat Im	▼ re (%FC)	
Fiel Resul Graph ICC All d 05/' 05/'	data Gla the constant constant the constant the constant	agement agement Potato) lobal average FC (%FC) 100.00 100.00	ne Dec By Stag (%FC) 80.00 80.00	ision Occ ge Annual Soil Mois (%FC) 100.00 100.00	Monthly ture	Informatic           y         Ten day           WP         (%FC)           0.00         0.00           0.00         0.00	n ( ) (in) (in) (in) (in) (in) (in) (in)	Precipita (in) 0.04 0.04	ation 0 4	N. SCHE	Clear	Table s Search FC (%FC) MAD (%FC) Soil Moistur Touch Feelin Soil Moistur Moisture by	soil Moistu e (%FC) ng (%FC) e by Sat Im soil sensor	▼ • re (%FC) age (%FC)	
Fiel Resul Graph ICC All d 05/ 05/ 05/	data Gla the formation of the formation	agement agement Potato) lobal average FC (%FC) 100.00 100.00 100.00	ne Dec By Stag MAD (%FC) 80.00 80.00 80.00 80.00	ision Occ ge Annual Soil Mois (%FC) 100.00 100.00 100.00	Monthly ture	Informatic           y         Ten day           WP         (%FC)           0.00         .00           0.00         .00           0.00         .00	n Irrigation (in) 0.00 0.00 0.00	Precipita (in) 0.00 0.04 0.00	ation 0 4 0 0	Y SCHE		Table     s       Search     Search       FC (%FC)     MAD (%FC)       Soil Moistur     Soil Moistur       Touch Feelin     Soil Moisture by       WP (%FC)     Irrigation (in)	Soil Moistu e (%FC) ng (%FC) e by Sat Im soil sensor )	▼ • re (%FC, age (%FC	() (5) (5) (7) (7) (7)
Fiel Resul Graph ICC All d 05/ 05/ 05/ 05/	data Gla atte 16/2018 17/2018 18/2018 19/2018 20/2018	agement agemen	ne Dec By Stag (%FC) 80.00 80.00 80.00 80.00	ision Occ ge Annual Soil Mois (%FC) 100.00 100.00 100.00 100.00	Monthly With the second	Information           y         Ten day           WP         (%FC)           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00	n  /  Irrigation (in)  0.00  0.00  0.00  0.00  0.00	Precipita (in) 0.00 0.04 0.00 0.00	ation 0 4 0 0 0 0 0	Y SCHE	Clear	Table     S       Search     Search       FC (%FC)     MAD (%FC)       Soil Moistur     Soil Moistur       Soil Moisture by     WP (%FC)       Irrigation (in)     Irrigation (in)	soil Moistu e (%FC) ng (%FC) e by Sat Im soil sensor	₹ • re (%FC) age (%FC)	
Fiel Resul	ds           ds           t Mana           t Mana           Table           ON5 (I           data           Glata           Glata           16/2018           18/2018           19/2018           20/2018           21/2018	agement agement Root Zo Potato) Cobal average FC (%FC) 100.00 100	By Stag MAD (%FC) 80.00 80.00 80.00 80.00 80.00 80.00	ision Occ ge Annual Soil Mois (%FC) 100.00 100.00 100.00 100.00 100.00	Monthly ture	Informatic           y         Ten day           WP         (%FC)           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00	C (a)	Precipita (in) 0.00 0.04 0.04 0.06 0.06 0.06 0.06 0.06	ation 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0	Y SCHE	Clear	Table s Search FC (%FC) MAD (%FC) Soil Moistur Moisture by WP (%FC) Irrigation (in, Precipitation	Soil Moistu e (%FC) ng (%FC) e by Sat Im soil sensor ) ) n (in)	• • • • • • • • • • • • • • • • • • •	<ul> <li></li> <li></li></ul>

2. Subject

4. Search

5. Column Menu

### **Results Management > Root Zone Tab**

On the Root Zone tab, You can view an image of the root zone model. How deep your crops roots are and the moisture content at each layer. Refer to Figure 24-1.

You also can see the percent of field capacity for each individual layer, in graph form. Below the graph, you can see which data is being displayed. To include or exclude data in the graph, select the data type to toggle black text for inclusion or gray text for exclusion. Hover over sections of the graph to see a specific day's information.



#### **Results Management > Root Zone Tab**

When a soil moisture probe is in use, you can select **Sensor Graph** below the root zone image. Refer to Figure 25-1.

This will take you to the raw data from AgSense, in volumetric water content. View the graph data for the last 1 Day, 2 Days, 1 Week, 2 Weeks, 1 Month, 2 Months, 6 Months, All or use the Date Range Slide to show data between dates.

Along the left side of the Soil Sensor Graph, the data being displayed is in black text. You can also turn on and off each layer, as well as turn on soil temperatures for each layer, and electrical conductivity (if available).

The Sensor Graph checks for updates on an hourly basis



### **Results Management > Decision Tab**

On the Decision tab, you essentially see a tabulated version of the Dashboard Decision information. Refer to Figure 26-1.

The Information tab shows all information that was used to provide the forecast, including the field crop, soil, pivot, and water.

😑 🏠 Valley Farm 🔹 🗞 🗞 🦂 🐇 Voll	ey, SCHEDULING 🍙 VS Client -	ا 🔄 - 🕲
Fields Result Management		« 🖯
Graph Table Root Zone Decision Occurrences Information		
ICON5 (Potato)		• 🕜
Day	106	
Stage	17	
ETc (in)	0.08	
Stress Index (%)	5.27	
Deficit (in)	0.61	
Irrigation depth (in)	0.77	
Speed (%)	16.00	
Irrigation time (h)	54.44	
Effective Irrigation (in)	24.30	
Days of Water Stress	1	
Days of irrig. excess	20	
		-

Figure 26-1

#### **Results Management > Occurrences Tab**

The Occurrences tab shows you issues you may be having with your field display or data acquisition. For example: no weather data, or weather station failure. Refer to Figure 27-1.

It will also tell you if any of your sensor layers are above field capacity or below maximum allowable depletion (MAD).

This tab is also helpful when troubleshooting farm/field set-up issues.

😑 🏠 Valley Farm 🔹		Valley SCHEDULING	VS Client -	ً ♦ - ۞
Fields Result Management	courrences A Information			« 🖨
ICON5 (Potato)				• 🕜
No weather data found for the date 08/30/2018 .	k.			
Depth of root absorption reached the maximum s	soil depth on 08/15/2018 .			
Moisture recorded at layer 1 on 08/16/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/17/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/18/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/19/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/20/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/21/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/22/2018 is ab	bove field capacity.			
Moisture recorded at layer 2 on 08/22/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/23/2018 is ab	bove field capacity.			
Moisture recorded at layer 2 on 08/23/2018 is ab	bove field capacity.			
Moisture recorded at layer 1 on 08/24/2018 is ab	bove field capacity.			
Moisture recorded at layer 2 on 08/24/2018 is ab	bove field capacity.			

Figure 27-1

### **Results Management > Information Tab**

The Information tab shows all information that is used to provide the forecast, including the field crop, soil, pivot, and water. Refer to Figure 28-1.



#### Data Icon > Daily Data Simplified Registration

Solution of the dashboard Data icon takes you to the Daily Data Simplified Registration page. Refer to Figure 29-1.

The Daily Data Simplified Registration page allows users to enter flags which are notes about the data, equipment or field observations. These notes show up on the Result Management Graph and Daily Data Flags screen for easy future reference. In international operations, where cell phone telemetry is not available it also allows manual entry of rainfall and irrigation.

To enter a flag, do the following:

- 1. From the dashboard, click the **Data** icon or click **Menu**, go to **Daily Data** and select **Simplified Registra**tion. Refer to Figure 29-1.
- 2. Select a **Start Date** for the daily posting and click **Confirm**. The start date is the date that the flag event occurred.
- 3. Go to the **Flag** section for the field and enter your notes. Flags are limited to 220 characters including spaces.
- 4. When you're done, click **Save**. Choose the next step, either enter a flag for another date or update the Management and the Irrigation Forecast to make the flag visible on the result management graph.



#### **Farm Weather**



Clicking on the dashboard Farm Weather icon will take you to the Daily Data Farm Weather screen. This is a detailed past-weather log. You can see the data in table and graph forms. You can also add, import, export, edit or delete weather data. Refer to Figure 30-1.

#### **Readings Tab**

On the Readings tab, you can select a different weather station (when multiple weather stations are associated with the farm), use the search bar to search for a certain day's weather, edit the information for each entry or delete entries. At the bottom of the page, you can use the page navigation to view all the data.

adings Graph	Import Export							
2		3						
Vly WS Valley	• mm/	dd/yyyy	Q 25	•				
ather Station	Search a	date	N° of items					
Date	Max Temp. (°F)	Avg Temp. (°F)	Min Temp. (°F)	Relative Humidity	Wind Speed (mph)	Solar Radiation (w/m²)	Rainfall (in)	Actions
8/29/2018	88.34	71.58	61.70	35.89	5.72	121.88	0.00	/ ×
8/28/2018	80.24	63.87	51.62	52.75	5.02	246.20	0.00	ø x
8/27/2018	71.60	62.23	53.60	68.50	10.85	149.29	0.10	/ ×
8/26/2018	71.24	64.14	58.82	56.68	11.77	71.85	0.00	/ X
8/25/2018	73.22	62.06	51.08	51.50	9.32	81.88	0.00	/×
8/24/2018	85.46	66.57	55.94	49.62	18.95	101.27	0.00	ø x
8/23/2018	89.24	76.37	67.10	32.19	12.90	145.61	0.00	ØX
8/22/2018	88.16	73.51	62.96	35.88	4.20	295.85	0.00	/ X
8/21/2018	83.30	70.20	57.56	45.23	6.29	284.05	0.00	ØX
8/20/2018	89.24	74.80	65.48	30.33	5.58	196.17	0.00	/×
8/19/2018	91.22	77.64	66.38	31.08	5.60	110.93	0.00	/×
8/18/2018	90.14	74.75	62.42	33.62	6.60	181.89	0.00	ø x
8/17/2018	98.06	79.35	65.30	35.96	11.60	257.22	0.05	1×
8/16/2018	94.28	82.09	71.96	28.38	4.15	259.93	0.00	ø x
8/15/2018	93.02	79.24	67.28	24.83	4.83	172.95	0.00	1×
8/14/2018	90.68	74.76	62.60	34.52	5.33	308.94	0.00	ø x
8/13/2018	85.46	70.52	60.44	40.39	5.08	272.79	0.00	Ø X
8/12/2018	82.04	68.86	55.76	51.01	12.21	309.54	0.00	/×
8/11/2018	97.34	78.62	64.76	38.07	17.78	310.06	0.00	/ ×
8/10/2018	102.38	90.30	80.24	25.32	8.48	304.56	0.00	ø x
8/09/2018	103.64	88.57	77.00	23.68	5.35	315.65	0.00	/X
8/08/2018	103.46	86.59	74.48	23.44	5.53	291.19	0.00	ø x
8/07/2018	98.78	82.99	72.50	21.31	5.53	323.41	0.00	Ø X
8/06/2018	95.18	78.94	66.20	29.72	4.76	181.54	0.00	ØX
8/05/2018	89.60	74.26	62.60	37.89	5.17	145.75	0.00	/ X
ems found: 106								
				6				

#### Farm Weather > Readings Tab

For most locations, the weather data is automatically entered by Valley Scheduling from local weather sources. Refer to Figure 31-1.

However, when data is not automatically entered, you can add weather data by clicking **Registration** and entering the data on the Weather Data tab.

When done, click Save.

Back on the Readings tab notice the information triangle indicating that the data was entered manually. Historical Weather is a record of manually entered data.

Valley Fallin			2 80	•• C	<b>e o</b>	V	/alley SCHEI	DULING		Client 🔻	0	$-\Omega$
rm Weath	er											A
<b>dings</b> Graph Imp	oort Export											
y WS Valley her Station	mm/dd/     Search a date	уууу	Q	25 N° of items	Y							
🔳 🏠 Valley	Farm	÷	۵ ه	le *.	C 🌢	۵	Valley <sub>s</sub> Se	CHEDULIN	IG (	VS Client 🚽	(	- ن
Farm We Weat 2 Station	ather on: Opemo	Farm			G	3)						«
Date		Maximur	m Tempera	ature	C.	Average To	emperature		Minimu	ım Temperature		
					٩F			٥F				°F
mm/dd/yyyy		11										
mm/dd/yyyy Relative Humidity		Wind Sp	eed			Solar Radi	iation		Rainfal	I		
mm/dd/yyyy Relative Humidity	9	Wind Sp	eed		mph	Solar Radi	iation	w/m²	Rainfal	1		Φ
mm/dd/yyyy Relative Humidity	9	Wind Sp	eed		mph	Solar Radi	iation	w/m²	Rainfal	1		Φ
Relative Humidity	9	Wind Sp	eed		mph	Solar Radi			Rainfal	10 Okant -	•	¢
Relative Humidity	9	Wind Sp	eed	o ≭₀ C	mph	Solar Radi	Valley, SCHE	w/m²	Rainfal	/S Client <del>▼</del>	٨	¢
Relative Humidity Relative Humidity Valley Farm arm Weat	ຸ າer	Wind Spr	eed	୦ <b>*</b> େ ୯	mph	Solar Radi	valley, SCHE	w/m²	Rainfal	I ∕S Client →	٨	ت ب (+
Relative Humidity Relative Humidity Valley Farm arm Weatl	ner	Wind Sp.	eed	×. C	mph	Solar Radi	valley scht	w/m²	Rainfal	 /S Client ▼	٥	• • (•) (+
Relative Humidity Relative Humidity Valley Farm arm Weat	9 <b>TET</b> Import Export	Wind Sp.	eed	×. C	mph	Solar Radi	Valley SCH	w/m²	Rainfal	I ∕S Client ▼	٥	۵ - ک
Relative Humidity Relative Humidity Valley Farm arm Weatl 5 Readings Graph	9 <b>TET</b> Import Export	Wind Sp.	eed	×. (	mph	Solar Radi	Valley SCH	w/m²	Rainfal	l ∕S Client →	٢	۵ • •
Relative Humidity Relative Humidity Relative Humidity Valley Farm To Same Readings Readings Graph Vly WS Valley Versther Station	9 TET Import Export Search a d	Wind Sp Wind Sp Comparison Wind Sp Comparison Wind Sp Comparison Wind Sp Comparison Wind Sp Comparison Wind Sp Comparison Comparison Wind Sp Comparison Compar	eed	* * C	mph	Solar Radi	Valley, SCH	w/m²	Rainfal	I ∕S Client ▼	٢	ہ ج ج
mm/dd/yyyy Relative Humidity Relative Humidity Relative Humidity Relative Humidity Relative Humidity Valley Farm (5) Readings Graph Vly WS Valley Westher Station	9 TET Import Export Search a d	Wind Sp.	eed	≥ ×₀ C 25 № of item	mph	Solar Radi	Valley SCH	w/m²	Rainfal	/S Client →	٥	۵ ۲
mm/dd/yyyy Relative Humidity Relative Humidity Relative Humidity Valley Farm Total Seadings Graph Viy WS Valley Weather Station	9 TET Import Export V mm/d Search a d Max Temp. (°F)	Wind Sp Wind Sp Comparison Mind Mind Sp Comparison Mind Sp Comparison	eed	25 N° of item Min Temp. (°F)	mph	E Humidity (%)	Valley, SCHE	W/m <sup>2</sup> EDULING Solar Radia (w/m <sup>2</sup> )	Rainfal	I ✓S Client ▼ Rainfall (in)	Actio	• 🕑
mm/dd/yyyy Relative Humidity Relative Humidity Relative Humidity Valley Farm Comparison Comparison Ny WS Valley Valley Farm Comparison Compo	9 TET Import Export Search at Max Temp. (°F) 88.00	Wind Sp. Wind Sp. Avg Temp (°F) 71.01	eed	25 № of item (°F) 61.00	mph	E Humidity (%)	Valley, SCHE Wind Speed (mph) 5.99	W/m <sup>2</sup> EDULING Solar Radii (w/m <sup>2</sup> ) 121.00	Rainfal	I /S Client → Rainfall (in) 0.10	Actio	t t t t t t t t t t t t t t t t t t t
mm/dd/yyyy Relative Humidity Relative Humidity Relative Humidity Valley Farm Carm Weat 5 Readings Graph Vy WS Valley Vy WS Valley Vy WS Valley Readings Graph 08/31/2018 A 08/29/2018	Ter Import Export Search a to Max Temp. (°F) 88.00 88.34	Mind Sp. Wind Sp. Comparison Mind Sp. Sp. Mind Sp. Sp. Mind Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp.	eed	≥ <b>*</b> • C 25 № of item (°F) 61.00 61.70	mph e 🌰 🍐 is Relative 4 3	E Humidity (%) 40.00 25.89	Valley SCHE Wind Speed (mph) 5.99 5.72	W/m <sup>2</sup> EDULING Solar Radia (W/m <sup>2</sup> ) 121.00 121.88	Rainfal	I /S Client → Rainfall (in) 0.10 0.00	Actio	t t t t t t t t t t t t t t t t t t t

### Farm Weather > Graph Tab

On the Graph tab, you can see a graph of the data for the weather station selected on the readings tab. Refer to Figure 32-1.

Use the Grouping of dates too see the data in the graph grouped by hour, day, month or year.

The date range of the data can be filtered by entering the Initial Date and Final Date, then click Filter.

On the left side of the graph you can choose the data types that are displayed.



#### Farm Weather > Import Tab

On the Import tab, you can import weather data from a .csv file to the weather station selected on the readings tab. Refer to Figure 33-1.

To import data do the following:

- 1. The order of the data in the file must match the order listed on the import screen.
- 2. The format parameters must be set to match the units of measure in Valley Scheduling.
- 3. Click Choose File and navigate to the file location on your computer.
- 4. Choose the file and click **Open**.

2. File Order

4. Choose File

5. Click Import.



6. Open

33

### Farm Weather > Import Tab

- 6. Set the Data overwrite to Replace existing records with imported values. Refer to Figure 34-1.
- 7. Click **Confirm Import**. On the Data Import screen a confirmation message for successful import or failure is displayed.

Valley Farm	i		6 6 6	*• C	<b>(</b>	Valle	ey, SCHEDULIN	IG 👘 VS Client	- 💩	- 🍅
irm Weat	ther									Ð
mate records succes	ssfully uploa	ided!								×
adings Graph	Import	Export								
/allaw Farm	•									
gion										
				Data	Confi	rmation				
			The climate	data in the	CSV file	was successfully up	loaded!			
		Check th	e uploaded values	and choose	one of the	overwrite options to cor	nfirm the data import			
1		Data overwrite							2	
Replace existing reco	ords with im	ported values			•	Discard Im	port	Confirm	Import	
Date		Max Temp. (°F)	Avg Temp (°F)	. Mi	n Temp. (°F)	Relative Humidity	Wind Speed (mph)	Solar Radiation	Rainfall (in)	
11/01/2018		60.69	44.24		29.5	62.8	2.06	133.1	0	
= 🍖 Va	lley Farm		- 👌	• ای ای	· C	۵ ا	Valley, SCHE		'S Client 🔻	۵ -
Earm M	looth	or								
	eath	ei								
Import success	sfully confirm	ned!								
Readings G	raph Im	port Export								
Vallev Farm		¥								
Region										
					Det	a loop ant				
			Use the	form below	Dat v to impo	a import ort the weather data	from a CSV file			
			Atte	ention! The da	ata in the C	SV file must be in the fo	bllowing order			
Char	racter separa	itor	( Date ; Max Temp	.; Avg Temp.; M Date format	Ain Temp. ; F	Relative Humidity ; Wind Spe	ed ; Solar Radiation ; Rain	fall )	CSV File	
Jildi	)		dd/mm/yyyy			• 1000,00		Choose F	ile No file chose	en
Semicolon (;										
Semicolon (;								4		

#### Farm Weather > Export Tab

On the Export tab, you can export all or part of the data for the weather station selected on the readings tab. Refer to Figure 35-1.

To export a file, do the following:

- 8. Leave Show Header set to No.
- 9. Set the date and number format.
- 10. Choose the Initial and Final dates.
- 11. Click Export and the .csv file is saved to the download folder on your computer.

In this example using Google Chrome browser, the spreadsheet is exported to the Downloads folder on the computer and a link to the file is shown at the bottom of the screen. The default name of the file will be Climate Data - followed by the weather station name.

= 🏠 v	/alley Farm		- 6	s s *	. C 🌢	۵	Valley SCH	eduling	VS Client	🔶 - 🔄	-
Farm V	Veather	1								Ð	
Readings	Graph Import	Export									
Vly WS Valley Region	×										
					Data	Export					I
			Use th	e form belo	w to export	the weather o	lata for a CSV file.	elow			I
. i	2 Show Header		Gustomize	3 Date format		r the data with t	A Number format	ciów.	5 Initial date	6 Final date	
No		٠	yyyy-mm-dd		۲	1000.00		• 0	8/01/	8/2018	
									Export		
											l
											I
	8										•
Climate Data	ta - Hacsv \land									Show all	×
Figure 35-1	1. Export 2. Show H	eader	3. Date for 4. Number	ormat er format	5. Ini 6. Fir	tial date nal date	7. Export 8. Spreadsh	eet			

#### Imagery

\*

Clicking the dashboard Imagery icon takes you to the Daily Data Imagery screen. Refer to Figure 36-1. This will show you normalized difference vegetation index (NDVI) images of your fields to look for crop health problems or irrigation uniformity issues.

#### **NDVI Tab**

On the NDVI tab You can select which field you want to see images for, or look at all available images.

To get a closer look at any image, click on it and an enlarged version will pop up. Click anywhere on the page to exit the enlarged image.

Soil Moisture by Image is not available in the United States.



#### Scheduling > Irrigation Scheduling

Clicking on the dashboard Scheduling icon will take you to the Irrigation Management Scheduling screen. Refer to Figure 37-1. This will show you a table of the most recent irrigation schedule.

The irrigation scheduling tool allows you to plan irrigations for 5, 7, 10, or 15 days. It allows you to create a printable plan that will keep the soil moisture in the optimum range.

To create a new irrigation schedule, do the following:

- 1. On the irrigation scheduling page, click Register to display the Register Scheduling screen.
- 2. Choose the Center Pivot (field) you want to schedule for irrigation from the drop-down list.
- 3. Select a time period for the schedule, typically 5 or 7 days.
- 4. Starting on the left side of the **Field** table, you can see:
  - The Date that the irrigation will be applied.
  - The Reference ET (ETo) in inches for perspective.
  - The Original Forecast indicated by the available soil moisture percentage and color code, and then
  - After Schedule shows what the available soil moisture percentage and color code will be after scheduling.
  - In the Deficit column, you can see the amount of water that is needed to fill the soil.
  - The Irrigation Depth indicates how much actual irrigation needs to be applied to fill the soil.
  - The Rain Forecast column shows the weather forecast so you can consider rainfall in your plan.



### Scheduling > Irrigation Scheduling

- 5. The Scheduling column is where you will begin adjusting application rates for each day.
  - (a) Based on the data shown in the field table, decide on which day irrigation is needed.
  - (b) Then in the **Scheduling** column, in the row for the chosen day, enter the irrigation application rate you want to apply and click anywhere outside of the table to apply the rate.
    - You can hover the cursor over any scheduling entry box to see the minimum application rate for this equipment.
    - After application is applied, the speed setting for the pivot percent timer and time (hours of irrigation) automatically calculate. Also, the after schedule irrigation forecast, deficit and irrigation depth data changes.
    - Set the schedule to keep the after schedule irrigation forecast in the desired soil moisture range.
    - There are on screen notifications that appear when:
      - » A scheduling application rate is smaller than the minimum application rate for the equipment.
      - » A scheduling application rate will generate irrigation excess.
      - » An irrigation depth is smaller than the equipment minimum application rate.
  - (c) Set the irrigation Start Time, and the irrigation End Time updates automatically.
  - (d) Repeat steps (a), (b) and (c) for other days as needed.
    - Changing equipment or clicking the next or previous arrow before saving a schedule will clear all of the values that you entered.

ON 10 er Pivot			•	Schedulin	g for: 7 Days	s •	S	cheduling 8/30/2018	0%	O ( Equipr Sche	of 5 ment(s) iduled	Equipment	Scheduling Pending
eld: ICON	10 (Corn	)											
Date	ETo (in)	Original Forecast (%)	After	Schedule (%)	Deficit (in)	Irrigation Depth (in)	Rain Forecast	1 Scheduling (in)	Rain (in)	Speed	Start Time	Time	End Time
8/29/2018	0.18	100		100	0	0		0.32			:	00:00	:
/30/2018	0.25	97		97	0.11	0.12						00:00	:
/31/2018	0.22	95		95	0.21	0.23					:	00:00	
/01/2018	0.24	92		92	0.32	0.35		2		3	-(5)-	(4)	-6)-
/02/2018	0.24	89		95	0.2	0.22		0.25		41	12:00 AM	17:58	05:58 PM
/03/2018	0.28	86	-	92	0.33	0.36						00:00	;
/04/2018	0.19	83		89	0.41	0.46					;	00:00	;
/05/2018	0.22	81	-	93	0.29	0.32		0.25		41	12:00 AM	17:58	05:58 PM

#### Scheduling > Irrigation Scheduling

- 6. Once you have set the schedule for this center pivot, click the **Save** button.
  - Scheduling status changes from Pending to Saved for this equipment.
  - The scheduling completed percent and number of fields scheduled changes to reflect the number of irrigation schedules saved on the current date, for equipment on this Farm.
  - Notice that a graph icon is displayed after the field name. Click the graph icon to see a graph of the irrigation forecast.
- 7. To schedule another Center Pivot (field), select it from the **Center Pivot** drop-down list in the top left or by clicking the **Next** or **Previous** arrow on the top right.
- 8. Once you have finished the schedule click the **Back** button.



### Scheduling > Irrigation Scheduling > View / Edit

On the manage scheduling screen:

- The revised irrigation forecast from the newly created schedule is displayed in the Scheduling Summary column.
- Clicking on the **Eye** icon will allow you to view a schedule.
- Clicking on the Pencil icon will allow you to view and edit that field's irrigation schedule.

When editing an irrigation schedule, you can manually adjust the application rate scheduled to be applied or the expected rainfall amount. The effect on the original irrigation forecast will be revised, as will the percent timer speed setting, and the start time.

E 🏠 Valley Farm	* <b>\$ \$ \$ *</b> C <b>\$</b> \$	Valley SCHEDULING (N VS Client -	🔄 - 🔄
Irrigation Schee Manage Scheduling	duling		<b>+ =</b>
Equipment	Q 25 V N° of items	08/30/2018 Date	٣
Equipment	Field	Scheduling Summary	Scheduling
ICON 10 Center Pivot	ICON 10 (Corn)	08/29 08/30 08/31 09/01 09/02 ( 0.0 0.1 0.2 0.3 0.1 (	2 • 3 • •
ICON 5 Center Pivot	ICON 5 (Potato)		
ICON X Center Pivot	ICON X (Peppermint)		
PRO 2 Center Pivot	PRO 2 (Soybean)		
SELECT 2 Center Pivot	SELECT 2 (Alfalfa)		
Items found: 5	•		

Figure 40-1 1. Scheduling Summary 2. Eye (view) 3. Pencil (edit)

### Scheduling > Irrigation Scheduling > Saving / Printing

To save or print the schedule, refer to Figure 41-1 and do the following:

- 1. Click the **Printer** icon in the top right corner.
- 2. Select the **Date** for the schedule you wish to print.
- 3. Choose the Information that you want to include. The printed schedule can include inches of irrigation, start and stop times, percent timer speed settings and flow in gallons per minute.
- 4. Select the Scheduled Equipment to include.
- 5. Once the options are selected, click **Confirm** to display the schedule in table form.

nag	ation Scheduli ge Scheduling	ng					e	90	
Jipmo	ent Q	25 <b>v</b> N° of items				08/30/20 Date	018	•	
	Equipment	I	Field	Scheduling	Summary		Sched	luling	
DN ter	Trigation Sobo	duling	ہ ی کے اف کے اف 🕹 کے 🗧 🖨 Print the schedulir	الله Valley, SCHED	ULING (	🏠 VS Cli	ent 🔻	<u>ن</u>	- (
DN ter	Manage Scheduling	uunny	Select the data p	Date eriod to load for printing				Ð	
DN ter	Equipment	Q 25 N <sup>e</sup> of items	08/30/2018 Info Select the inform	3 rmation ation to load for printing		[	12/05/2018 Date		Ŧ
0 ter	Equipment		<ul> <li>Irrigation (in)</li> <li>Speed (%)</li> </ul>		uling Sumr	nary		Schedul	ing
LE ter	ICON 10 Center Pivot	ICON 10 (Corn)	<ul><li>✓ Time (h)</li><li>✓ Start Time</li></ul>		08/31	09/01	09/02	) )	~
15	ICON 5 Center Pivot	ICON 5 (Potato)	End Time     Flow rate						
	ICON X Center Pivot	ICON X (Peppern	Actual Consumption     Schedule     Select Scheduled Equip	declaration					
	PRO 2 Center Pivot	PRO 2 (Soybean)	✓ ICON 10 ■ Flow rate	Actual Consumption					
	SELECT 2 Center Pivot	SELECT 2 (Alfalf	Fields GON 10 (Corn)	5					
	Items found: 5		C	onfirm					

```
5. Confirm
```

## Scheduling > Irrigation Scheduling > Saving / Printing

The schedule displayed can be saved as a pdf for e-mailing or sent to a printer for handy reference.

- To save the file, continue with Saving below on this page.
- To print the file, continue with Printing on the next page.

#### Saving

To save the file, refer to Figure 42-1 and do the following:

- 1. Click the **Download** arrow.
- 2. Navigate to the location where you want to save the file.
- 3. Enter the File Name.
- 4. Click Save.

VALLEY 💞	Farm	: Valley Farm				Schedu	ling Date: 08/3	0/2018		Irrigation	Scheduling	
		08/	30 (	08/31	09/01	09/	02	09/03	09/04		09/05	
	Irrigation (in	1)				0.25				0.25		
ICON 10 (Com)	Speed (%)	1				41				41		
ICON ID (COIII)	Time (h)					17:58				17:58		
	Start Time (I	h)				12:00 AM				12:00 AI	М	
				I								
Imprimir.php					1/1						Ċ	Ŧ
		Farm: Vall	ey Farm				Scheduling E	Date: 08/30/2018			Irrigation So	hedulir
			08/30	08/31	0	9/01	09/02	09/03	3	09/04	09/	05
		rrigation (in)					0.25				0.25	
ICON 10	(Com)	Speed (%)					41				41	
ICON IU		Time (h)					17:58				17:58	
	S	tart Time (h)					12:00 AM				12:00 AM	
	Save As										× —	
	- → ~ ↑	> This PC >	Documents > Vall	ley Scheduling				v ē	Search Valley Sc	heduling	م	
	Drganize 🔻 Nr	ew folder									0	
	This PC 3D Objects Desktop Documents Downloads		^ Name		^	No item:	s match your sear	Date modif	ied Type	:	Size	
	Music	6	) <								>	
	File name:	ICON 10 (Com)									~	
	Save as type:	Adobe Acrobat	Document						0		~	
									3			
	Litela Californi								Save	Cano	eli	
~	Hide Folders											
	Hide Folders											
	- Hide Polders											
												4
	- Hide Polders											

 $\sim$ 

# Scheduling > Irrigation Scheduling > Saving / Printing Printing

To print the file without saving, refer to Figure 43-1 and do the following:

- 1. Click the **Printer** icon.
- 2. Click Change to select the printer.
- 3. Adjust settings as needed.
- 4. Click **Print**.

Valley 🎸	Farm: Vall	ey Farm				Scheduling Da	te: 08/30/2018		Irrigati	on Schedulir	g
		08/30	08/31	0	9/01	09/02	09/03	09/04	4	09/05	
	Irrigation (in)				0.3	25	-	_	0.25		
ICON 10 (Com)	Speed (%)				41				41		
	Time (h)				17	:58		_	17:58	3	-
	Start Time (h)				12	00 AM	_		12:00	AM	-
		_	-1								
Print Total: 1 sheet of paper	4	VALL	ey 🎸	Farm: Va	illey Farm			Scheduling Date: 0	08/30/2018		Irrigation Se
	Cance			Irrigation (in)	08/30	08/31	09/01	09/02	09/03	09/04	0.25
				Speed (%)				41			41
Destination	DIGE-I ON USVALPRI.		:ON 10 (Com)	Time (h)			-	17:58			17:58
				Start Time (h)				12:00 AM			12:00 AM
Copies 1 Color Color Paper size Letter 1 Quality 600 dp Scale I Fit to	8.5 x 11")	•									
Options Two-	sided	5/12/2018			_		1/1		_		

Figure 43-1 1. Print 3. Printer Settings 2. Change 4. Print

#### Reports

Clicking the dashboard Reports icon takes you to the Irrigation Reports screen. Refer to Figure 44-1. Here you can generate and view monthly reports for total water consumption and cost.

However, the ability to register, or generate, a monthly irrigation report requires advanced level platform set up of cost parameters for energy and water.

#### **Generating Monthly Reports**

To generate a monthly report, refer to Figure 44-1 and do the following:

- 1. On the irrigation reports screen, click the **Registration** button at the top of the page.
- 2. Enter the Year and select the Month that you want to report data for.
- 3. Click Save. This will calculate the monthly irrigation report for the year and month you selected.



#### **Viewing Monthly Reports**

To view the details of the report, refer to Figure 45-1 and do the following:

• On the irrigation reports screen, click on the Eye (view).

In this example, the monthly irrigation report shows the irrigation management summary for all of your fields. Year to date and monthly data is shown.

At the bottom of the summary you can see the average irrigation inches, inches of rain, ETc, stress index, effective irrigation in inches and percentage for all fields. The bar graphs below the summary, break these data down even further.



### **Viewing Monthly Reports**

Continued from the previous page, refer to Figure 46-1.

Below the bar graphs you can see data from all reports accumulated in a table by month with a total for each data point.

The last part of the report displays the soil moisture graph for each field on the farm.



Figure 46-1 1. Bar Graph 3. Soil Moisture Graph 2. Accumulated Data

#### Viewing Monthly Reports > Printing

To print the monthly irrigation report, refer to Figure 47-1 and do the following:

- 1. View the monthly irrigation report screen, then click the **Print** button to generate the printer version of the report.
- 2. Click Print again to open the print window.
- 3. To change the printer, click Change.
- 4. Change other print settings as needed.
- 5. Click **Print** to print the report.



### Viewing Monthly Reports > Exporting

To export the monthly irrigation report to a .xls file, refer to Figure 48-1 and do the following:

- 1. View the monthly irrigation report screen, then click the **Export** button and the report is exported as a .xls file to the download folder on your computer. In this example using Google Chrome browser, a link to the file appears at the bottom of the screen.
- 2. Click on the link to open the .xls file and view the report in spreadsheet format.

	<i>,</i>	igun	,,,,,	(opoi										U		
VALLE	<b>×</b> ₹	Va Consu VS C	lley ultant: Consultar	Farm				Owner: VS Clie	ent				Se	eptembe 19/01/2018 -	r / 2018 09/30/2018	
	То	tal Fields 5		Mai 5	naged A 5 <b>29.7</b> ad	rea c	Water	Consumption 11,896.43	n - Month V m³	Vater Consumptio 1,191,927.4	on - Year <b>7</b> m³	Energy ( <b>\$ 2.</b> <b>\$ 3</b>	Cost - Mor . <b>78</b> in/ac <b>326.32</b>	nth		
						Yea	rrigatic	on Mana	agemen	ıt		Month	1			
eld	Area (ac)	Сгор	Days	Irrigation (in)	Rain (in)	ETc (in)	Stress Index (%)	Effective Irrigation (in)	Effective Irrigation (%)	Irrigation (in)	Effective Irrigation (in)	Stress Index (%)	Energy Cost (\$/in/ac)	Energy Cost (\$/ac)	Energy Cost (\$)	
ON 10 (Corn)	105.93	Corn- 120 day	138	36.04	1.64	24.10	7.56	34.36	95.34	0.77	0.77	5.18	2.78	2.17	229.94	
ON 5 otato)	105.93	Potato	111	27.46	21.73	18.27	5.21	25.70	93.60	0.32	0.32	5.04	2.78	0.91	96.38	
ON X eppermint)	105.93	Peppermint	246	38.02	5.73	28.89	4.60	33.19	87.28	0.00	0.00	1.22	0.00	0.00	0.00	
lO 2 oybean)	105.93	Soybean	109	0.00	16.51	16.45	14.80	0.00	100.00	0.00	0.00	3.85	0.00	0.00	0.00	
lfalfa)			1.54	15	A	-00.00	B C	D	en ec	F G	Monthly	H	on Done	0.00	J 0.00	К
Ifalfa) tal / Averac	529.67 port - Sxl	s ^		23 1 2 3 4 5 Co 6 OV	nsultant	V:	B Consultant S Client	D	E	F G	Monthly <sup>09/0</sup>	H / Irrigatio Valley Fam 1/2018 - 09/3	000 on Repc n 0/2018	ort	J	K
ifalfa) tal / Averar	529.67	5 ^		23 1 2 3 4 5 Co 6 OV 7 Mr 8 9 9 10 Fiel 11 ICC 12 ICC 13 ICC 13 ICC 14 PR 15 SE 16 To	A nsultant vner anaged Area DN 10 (Corr DN 5 (Potat DN X (Peppo 0 2 (Soybet LECT 2 (Alfa tal	VS VS 3 5; a 5; b) c) crmint) an) lfa)	B         C           S Consultant         S Client           S Client         S Client           105.93 Corn-11         105.93 Corn-11           105.93 Potors         105.93 Soybear           105.93 Soybear         529.67	Deys 20 day	E Irrigation (in) 138 36.04 111 27.46 246 38.02 109 0 194 15.15 160 23.33	F G A Rain (in) ETC (in) 1.64 21.73 5.73 1.651 1.755 12.63	Monthly 09/0 Irrigat 24.1 18.27 28.89 16.45 23.2 22.18	H Valley Fam 1/2018 - 09/9 ion Mana dex (%) 5.21 4.6 14.8 8.91 8.22	on Repo n 0/2018 agement rigation Exces	s (in) Irrigati 1.68 1.76 4.84 0.16 1.69	J 00 Dn Excess (%) It 4.66 6.4 12.72 0 1.04 4.96	K rigation Exce
ifalfa) tal / Avera Monthly Rep	529.67	5 ^		13         4           23         1           2         3           4         5           5         Co           9         10           10         File           11         Icit           12         10           13         Icit           14         FR           15         5           16         To'           18         19           19         2           21         21	nsultant vner anaged Area sid DN 10 (Corr DN 5 (Potat DN 3 (Pepp O 2 (Soybez LECT 2 (Alfa tal	VS VS 3 52 () () () () () () () () () () () () ()	B         C           S Consultant         S Client           S Client         105 93 Corn-11           105 93 Corn-11         105 93 Corn-11           105 93 Soybear         105 93 Soybear           105 93 Soybear         155 93 Alfalfa           529.67         105 93 Soybear	Days Days Doday Irrigation	E Irrigation (in) 138 36.04 111 27.46 246 38.02 109 0 194 15.15 160 23.33 (in) Rainfell (in) .77 0	F         G           4         4           1.64         1.73           1.651         1.756           12.63         12.66           Excess (in) Irrigation E         0	Osoc Monthly os/o Irrigat Stress In 24.1 18.27 28.89 16.45 23.2 22.18	ion Mana dex (%) Fam 1/2018 - 09/9 ion Mana dex (%) F 1.8 8.22 (CON 10 (Con n Excess (%) E 0	on Repo n 0/2018 agement rrigation Exces	s (in) Irrigati 1.68 1.76 4.84 0 0.16 1.69 ETc (in) 0.29	J 00 on Excess [%] II 4.66 6.4 12.72 0 1.04 4.96 S 0.28	rigation Excer
ifaifa) tal / Avera	529.67	5 ^		10         2           2         3           4         5           5         0           7         Ma           9         10           10         Flering           11         ICC           12         ICC           13         REC           16         To           17         IB           19         2           21         2           23         24           24         24           25         26	A insultant vner id DN 10 (Corr DN 15 (Potal DN 10 (Corr DN 15 (Potal DN 10 (Corr DN 15 (Potal DN 10 (Corr DN 10 (Corr)) DN 10 (Corr DN	VS V: (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	B         C           S Consultant         S Client           S Client         29.7 ac           105.93 Corn-1         105.93 Corn-1           105.93 Poppern         105.93 Soyber           105.93 Soyber         105.93 Soyber	Days Days Inint Irrigation	Irrigation (in) 138 36.04 111 27.46 246 38.02 109 0 194 15.15 160 23.33 (in) Rainfall (in) .77 0 (in) Rainfall (in) .32 0.52	F         G           Rain (in)         ETC (in)           1.64         21.73           21.73         16.51           1.65         12.63           Excess (in)         trigation E           0         0	Monthly 09/0 Irrigat Stress In 24.1 16.45 23.2 22.18 Ic.45 23.2 22.18 Ic.45 ccess (in) Irrigation 0 Iccess (in) Irrigation 0	I I I I I I I I I I I I I I I I I	on Repo n 0/2018 agement rrigation Exces rrn) Tp (in) tto) Tp (in)	s (in) trrigati 1.68 1.76 4.84 0.15 ETc (in) 0.29	J 00 DI Excess (%) It 4.66 6.4 12.72 0.104 4.96 5 0.28 5 0.14	rigation Excer tress index (%

Figure 48-1 1. Monthly Irrigation Report 3. File 2. Export 4. Spreadsheet

#### Viewing Monthly Reports > Editing

The edit function allows you to enter notes that will display below the different sections, bar graphs or field soil moisture graphs of the monthly irrigation report.

You can also display or hide any sections, bar graphs or field soil moisture graphs from the monthly irrigation report.

To edit a report, refer to Figure 49-1 and do the following:

1. View the monthly irrigation report that you want to edit, then click the **Pencil** button and the edit monthly report screen is opened.

Valley Farm	- 🗞 🕺	& *. C (	🕽 ᠔ 🛛 Valle	ey SCHEDULING 🍙	VS Client 👻 🧔	) - 🏠
Monthly Irrigati	on Report				< 🔁 🤇	
	alley Farm <sup>sultant:</sup> Consultant		Owner: VS Client		September / 09/01/2018 - 09/	2018 30/2018
	· · (	0 6 ×.	ଫ ê ᠔	Valley SCHEDULING	VS Client -	ا ا ا
Irrigation Re Edit Monthly Repor	eports <sup>rt</sup>			Ver	< Marth	•
Valley Farm				2018	Septembe	er
Fie Personalization - Tables	Customization - Graphs	Customization - Fields				
ICC		Tabl	le		Dis	splay
icc (Po Ucc		Tabl	le		Dis Yes	splay
ICC (Po CC (Po CC (Pe PR	nt	Tabl	le		Dis Yes	<b>v</b>
ICC (Pd Overview ICC (Pe PRI (So SEI	nt	Tabi	le		Ves Yes	v ▼
ICC (Pd Overview (Pe PR (So SEI Accumulated in the F	nt	Tabi	le		Ves	splay v
ICC (Pc Overview ICC (Pe PR (So SEI Accumulated in the F	nt ïeld	Tabi	le		Dis Yes Yes Yes	splay v
ICC (Pc Overview (Pc PR (Sc SEL Accumulated in the F	nt iield	Tabl	le		Dis Yes Yes Yes	splay v
ICC (Pc ICC (Pc PR SEI SEI Accumulated in the F	nt	Tabl	le		Dis Yes Yes Yes	splay v

Figure 49-1 1. Monthly Irrigation Report

2. Edit Monthly Report

### Viewing Monthly Reports > Editing

Continued from the previous page, refer to Figure 50-1.

- 2. Enter note(s):
  - · Personalization Tables tab: Notes can be entered for the Irrigation Management section and the accumulated section.
  - Customization Graphs tab: Notes can be entered for the Area, Irrigation(in), Irrigation (m<sup>3</sup>), Rainfall, Stress Index and Irrigation Excess bar graphs.
  - Customization Fields tab: Notes can be entered for each field soil moisture graph.
  - In this example, notes were entered for the irrigation management section.

it Monthly Report	t			
n Iley Farm	3		Year 2018	Month September
ersonalization - Tables	Customization - Graphs	Customization - Fields		
		Table		Display
Overview				Yes T
Irrigation Managemen The September data has been	t n reviewed.			Yes v
Accumulated in the Fi	eld			Yes v

- Figure 50-1 1. Edit Monthly Report 2. Personalization - Tables 4. Customization - Fields
- Customization Graphs

#### Viewing Monthly Reports > Editing

Continued from the previous page, refer to Figure 51-1.

- 3. To hide or display any section, bar graph or field soil moisture graph from the monthly irrigation report, under **Display**, toggle No to hide and Yes to display.
- 4. When you finish editing, click **Save** and then click **View**. This displays the monthly irrigation report so you can verify that the note is displayed correctly.

Mo	onthly Repo															
											Year		Month	ı		
y Farm	1										2018		Sep	tember		
sonali	ization - Tables	Cust	omization - (	Grap <mark>hs</mark>	Customiz	zation - I	Fields									
							Table							2 Display		
vervi	ew						Tuble						V	biopidy		
														5		
rigati The Sej	ion Managem ptember data has b	ent een review	ed.										Y	es	•	
ccum	nulated in the	Field											_			
Ē	<b>≡</b> 🕋 <sup>va</sup>	alley Farm	6			<u></u>		*• C	e 🌢		Valley S	CHEDU	ling	r vs o	Client 🔻	<u>۰</u>
Ν	Monthl	v Irr	igatio	on F	Repor	t								ĸ		5
Ν	Monthl	y Irr	igatio	on F	Repor	t								«	8	
N	Monthl	y Irr	igatio	on F	Repor	t								« Se	<b>e</b> ptembe	<b>er</b> / 2018
N	Vonthl Valle	y Irr	igatio	on F alley	Repor Farm	t			Owner: VS Clie	nt				« Se	<b>ptembe</b>	er / 2018
N	Vonthl Valle	y Irr	igatio	on F alley	Repor Farm	t			Owner: VS Clie	nt				« Se	ptembe	er / 2018
	Vonthl Valley	y Irr x ❤ ™	igatic Va Consu VS C	on F alley <sup>ultant:</sup>	Repor Farm	t naged A	rea	Water	Owner: VS Clie Consumptior 11.896.43	nt I-Month Wat	er Consumptio 1.191.927.47	n - Year	Energy (	Cost - Mon	ptembe	r / 2018 09/30/2011
	Vonthl Valle	y Irr x ❤ ™	igatic Va Consu Vs c stal Fields 5	alley	Repor Farm <sup>tt</sup> Mar 5	т naged А і <b>29.7</b> а	rea	Water	Owner: VS Clie Consumption 11,896.43	nt I - Month Wat	er Consumption 1,191,927.47	n - Year ' mª	Energy ( \$ 2. \$ 3	Cost - Mon 78 in/ac 226.32	ee (	r / 2018
N	Vonthl Valle	y Irr x ❤ ™	igatic Va Const VS C Otal Fields 5	on F alley <sup>ultant:</sup>	Repor Farm <sup>tt</sup> Mar 5	т <b>t</b> naged А і <b>29.7</b> ан	rea c	Water	Owner: VS Clie Consumption 11,896.43	nt I-Month Wat m <sup>a</sup>	er Consumption 1,191,927.47	1 - Year 'm²	Energy ( \$ 2. \$ 3	Cost - Mon 78 in/ac 226.32	ptembe 9/01/2018-	r / 2018
N	Vonthl Valle	y Irr x ❤ ™	igatic Va Const Vs c vs c	alley	Repor Farm	naged A 2 <b>9.7</b> a	rea c l Yea	Water	Owner: VS Clie Consumption 11,896.43	nt 1-Month Wat m <sup>3</sup> .	er Consumption 1,191,927.47	ı - Year 'm²	Energy ( \$ 2. \$ 3 Month	Cost - Mon 78 in/ac 126.32	ptembe 9/01/2018 -	r / 2018
N	Field	y Irr	igatic Va Consu VS C otal Fields 5	Days	Repor Farm t Mar 5	t naged A 29.7 a Rain (in)	rea c Yea ETC (in)	Water rrigatio r to date Stress Index (%)	Owner: VS Clie Consumption 11,896.43 Dn Mana Effective Irrigation (in)	nt n- Month Wat m <sup>3</sup> agement Effective (%)	er Consumption 1,191,927.47 Irrigation (m)	n - Year ' m³ Effective [rrigation (in)	Energy ( \$ 2. \$ 3 Month Stress Index (%)	Cost - Mon 78 in/ac 26.32	eptembe 9/01/2018- th Energy Cost (S/ac)	Energy (3)
	Field	y Irr <b>X</b> X T Area (ac) 105.93	igatic Va Const VS C Dtal Fields 5 Crop Corr. 120 day	Days	Repor Farm Mar 5	t naged A 229.7 a Rain (in) 1.64	rea c Yea ETC (in) 24.10	Water rigatic rtodate Stress index (%) 7.56	Owner: VS Clie Consumption 11,896.43 On Mana Effective Irrigation (in) 34.36	nt 1 - Month Wat m <sup>a</sup> agement Effective Irrigation (%) 95.34	er Consumption 1,191,927.47 Irrigation (n) 0.77	n - Year ' m <sup>3</sup> Effective Irrigation (in) 0.77	Energy ( \$ 2. \$ 3 Month Stress Index (%) 5.18	Cost - Mon 78 in/ac 226.32	th Energy Cost (\$/ac) 2.17	Energy Cost (8) 229.94
	Field ICON 10 (Corr) ICON 5 (Potato)	y Irr <b>X X</b> (ac) 105.93	igatic Va Consu VS C Otal Fields 5 Crop Corr. 120 day Potato	DAN F	Repor Farm Mar 5	t naged A 29.7 a Rain (in) 1.64 21.73	rea c Yea ETC (in) 24.10 18.27	Water rrigatio rtodate Stress Index (%) 7.56 5.21	Owner: VS Clie Consumption 11,896.43 On Mana Effective Irrigation (in) 34.36 25.70	nt 1 - Month Wat m <sup>3</sup> agement Effective Irrigation (%) 95.34 93.60	er Consumption 1,191,927.47 Irrigation (in) 0.77 0.32	1 - Year 'm <sup>2</sup> Effective Irrigation (m) 0.77 0.32	Energy ( \$ 2. \$ 3 Month Stress Index (%) 5.18 5.04	Cost - Mon 78 in/ac 26.32 Energy Cost (S/in/ac) 2.78 2.78	eptembe pyo1/2018- th Energy Cost (\$/ac) 2.17 0.91	Energy (s) (s) (s) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
	Field ICON 10 (Corr) ICON X (Peopermint)	y Irr <b>X X</b> Tr Area (ac) 105.93 105.93	igatic Va Consu Vs C S S Crop Corr. 120 day Potato	Days	Repor Farm t Mar 5 Irrigation (m) 36.04 27.46 38.02	t naged A (29.7 a) Rain (in) 1.64 21.73 5.73	rea c Yea ETC (in) 24.10 18.27 28.89	Water rrigatic r to date Striess Inte	Owner: VS Clie Consumption 11,896.43 Con Mana Effective Irrigation (In) 34.36 25.70 33.19	nt Wat m <sup>3</sup> Market agement Fffective (%) 95.34 93.60 87.28	er Consumption 1,191,927.47 Irrigation (in) 0.77 0.32 0.00	n - Year 'm³ Effective (m) 0.77 0.32 0.00	Energy ( \$ 2. \$ 3 Month Stress Index (%) 5.18 5.04 1.22	Cost - Mon 78 in/ac 26.32 Energy (S/in/ac) 2.78 2.78 0.00	e ptembe y/01/2018- th Energy Cost (\$/ac) 2.17 0.91 0.00	Energy (s) 229.94 96.38 0.00
	Field ICON 10 (Corr) ICON 5 (Peppermint) PRO 2 (Sovbean)	y Irr <b>X X</b> Tr Area (ac) 105.93 105.93 105.93	igatic Va Consu Vs C tal Fields 5 Crop Corn- 120 day Potato Peppermint Soybean	Days	Repor Farm t Mar 5 Irrigation (m) 36.04 27.46 38.02 0.00	t naged A 29.7 a Rain (m) 1.64 21.73 5.73 16.51	rea c Final 24.10 18.27 28.89 16.45	Water rrigation rto date Stress Index (%) 7.56 5.21 4.60 14.80	Owner: VS Clie Consumption 11,896.43 Con Mana Effective Irrigation (in) 34.36 25.70 33.19 0.00	nt - Month Wat m <sup>3</sup> agement Fffective Frfequion (%) 95.34 93.60 87.28 100.00	er Consumption 1,191,927.47 Irrigation (n) 0.77 0.32 0.00 0.00	- Year 'm <sup>3</sup>	Energy ( \$ 2. \$ 3 Month Stress (%) 5.18 5.04 1.22 3.85	Cost - Mon 78 in/ac 226.32 Energy Cost (S/in/ac) 2.78 2.78 0.00 0.00	e ptembe p/01/2018- th Energy (S/ac) 2.17 0.91 0.00 0.00	Energy Cost (s) 229.94 96.38 0.00 0.00
	Field ICON 10 (Corr) ICON 5 (Potato) ICON X (Peppermint) PRO 2 (Soybean) SELEC: 2	y Irr <b>Area</b> (ac) 105.93 105.93 105.93 105.93	igatic Va Const Vs c Vs c Vs c Const Vs c Const Con	DAN F Illey Jitant: ionsultan Days 138 111 246 109 194	Repor Farm Mar 5 Irrigation (m) 36.04 27.46 38.02 0.00	t naged A 29.7 a Rain (in) 1.64 21.73 5.73 16.51 17.56	rea c Yea ETC (in) 24.10 18.27 28.89 16.45 23.20	Water rrigatic rto date Stress Index (%) 7.56 5.21 4.60 14.80 8.91	Owner: VS Clie Consumption 11,896.43 On Mana Effective Irrigation (in) 34.36 25.70 33.19 0.00 14.99	nt Wat n* Wath agement Effective Irrigation (%) 95.34 93.60 87.28 100.00 98.96	er Consumption 1,191,927.47 Irrigation (in) 0.77 0.32 0.00 0.00 0.00	1 - Year 'm <sup>2</sup>	Energy ( \$ 2. \$ 3 Month Stress Index (%) 5.18 5.04 1.22 3.85 17.64	Cost - Mon 78 in/ac 26.32 Energy Cost (S/in/ac) 2.78 2.78 0.00 0.00	e) ptembe py(01/2018- th Energy Cost (S/ac) 2.17 0.91 0.00 0.00 0.00	Energy Cost (5) 229.94 96.38 0.00 0.00

2. Display

4. View 6. Note



Valmont Industries, Inc. 28800 Ida Street Valley, Nebraska 68064-0358 U.S.A. (402) 359-2201