

Introduction

Use **Field Planner** from Encirca® services to perform basic tasks previously done in Pioneer® Field360™ Studio. Use Field Planner to:

- Manage farms and fields
 - Add or delete farms and fields
 - Update field boundaries and attributes
 - View field-level information
 - Add grower notes
- Manage your seed product list
- Place seed on a field and send the proposal to Connex for invoicing
- Quickly do seed product inventory reconciliation
- Generate basic reports

Quick Links

- [Field Planner](#)
- [Reports](#)
- [Product Placement](#)
 - Plan Summary
 - Variable Rate Seeding
 - Send to Connex
 - Inventory
- [Supported Systems](#)
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Field Planner

To access Field Planner:

1. Log into Encirca services.
2. On the App Chooser, click **Field Planner**.
3. On the menu bar, select the **Operation** and the **Crop Year**.
4. At the top of the map, click the **Crops** menu to select a map layer:
 - Crops
 - Precipitation
 - Evapotranspiration
 - Growing Degree Units

Field Planner

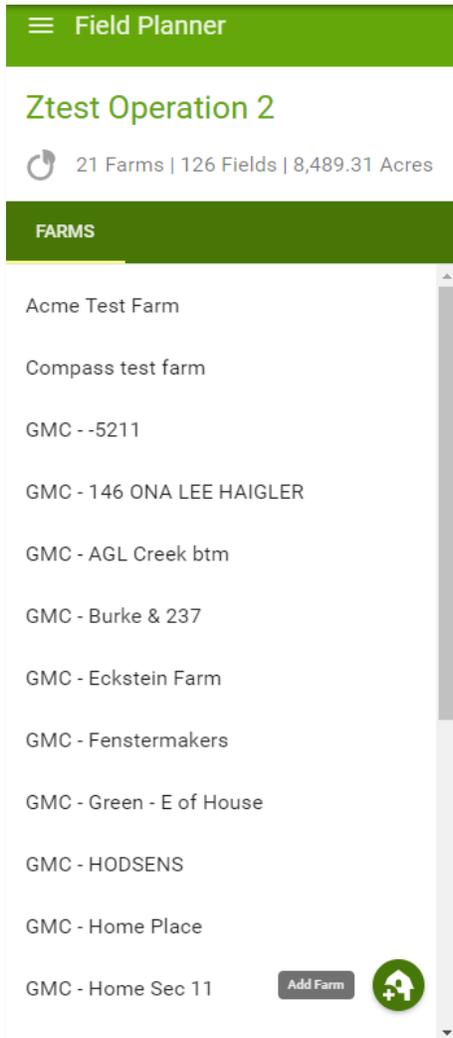
- Crop Heating Units
5. On the **Show** menu, select one or more options:
 - Legend
 - Field Names
 - Field Data
 - Show All Operations
 6. On the menu on the right, select **Hybrid**, **Aerial**, or **Road** and click the plus and minus icons to zoom in and out.

The map legend provides information about the visual elements on the map. Some might have options you can select such as weather dates.

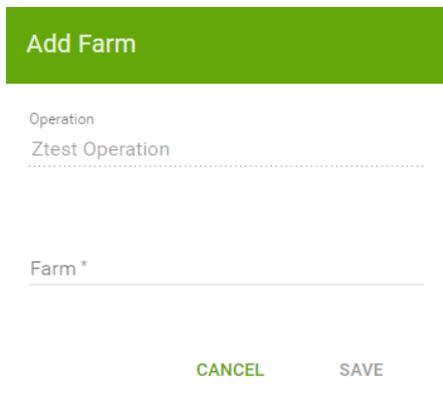


To add a farm:

1. At the bottom of the **Operation** pane, click **Add Farm**.



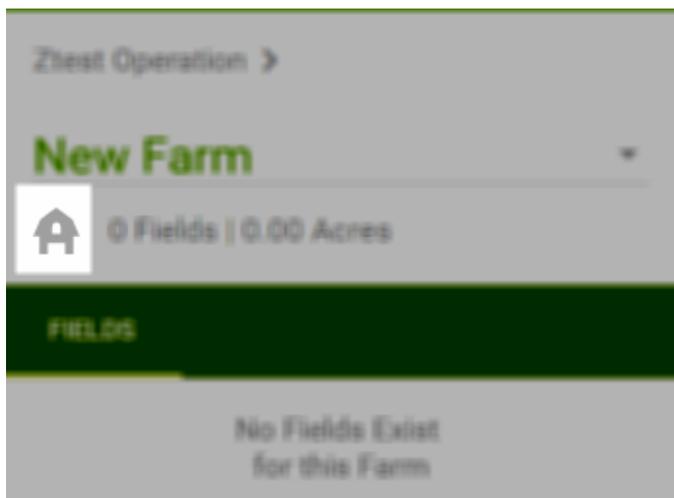
2. Enter a name for the new farm and click **Save**.



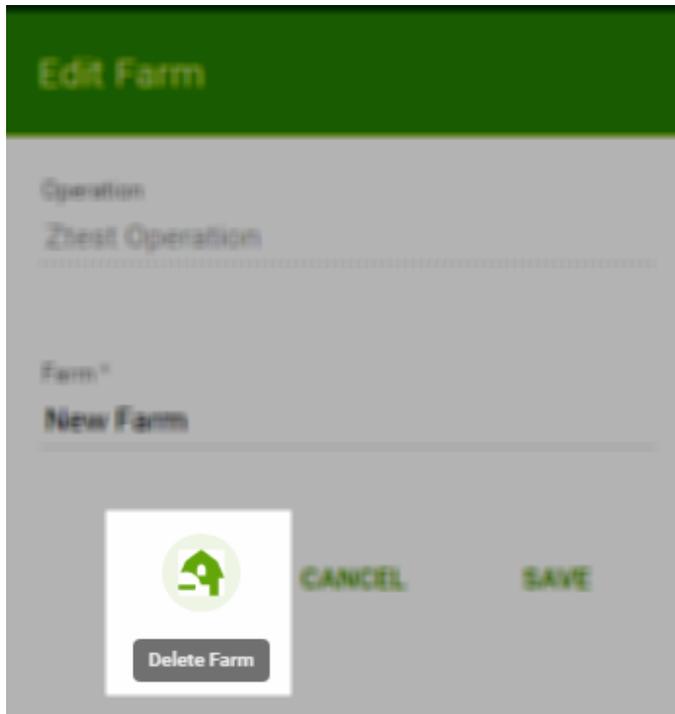
The screenshot shows a dialog box titled "Add Farm" with a green header. It contains two text input fields: "Operation" with the value "Ztest Operation" and "Farm *". At the bottom, there are two buttons: "CANCEL" and "SAVE".

To delete a farm:

1. Select a farm from the Operation pane on the left.
2. Click **Edit Farm** below the farm name.



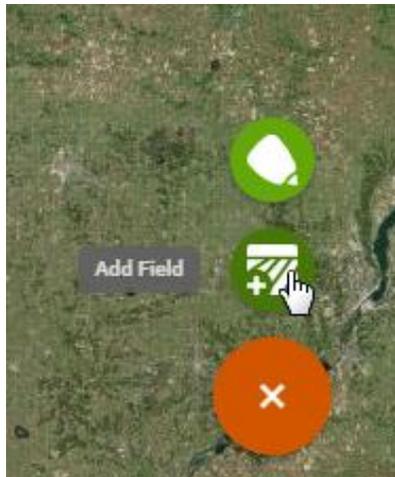
3. In the **Edit Farm** dialog, click **Delete Farm**.



4. In the **Delete Farm** box, click **Delete**.

To create a field:

1. Select the year in which to create the field.
2. Click the floating action button (FAB) on the bottom right and click **Add Field**.

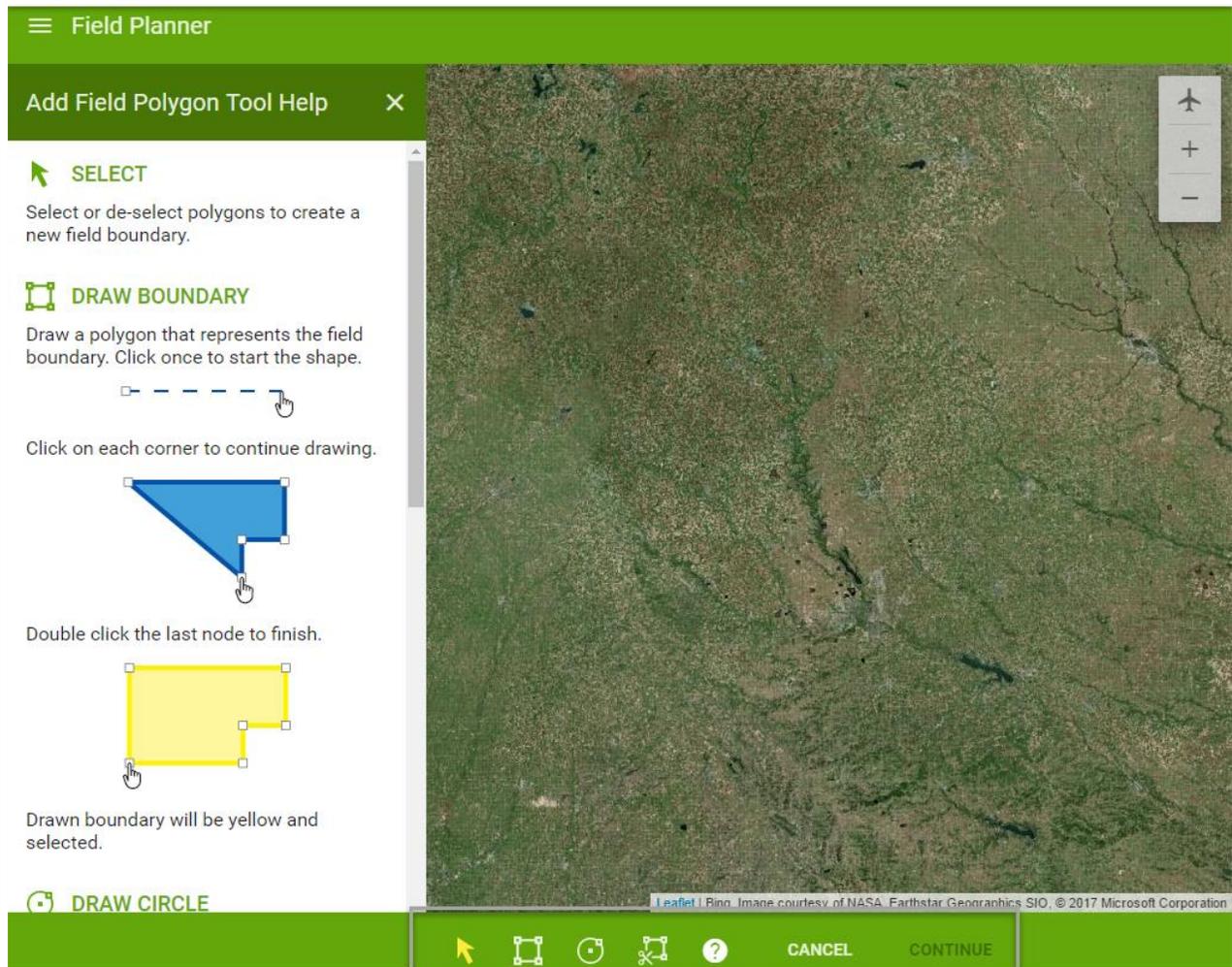


3. Use the tools on the bottom to draw the field boundary.



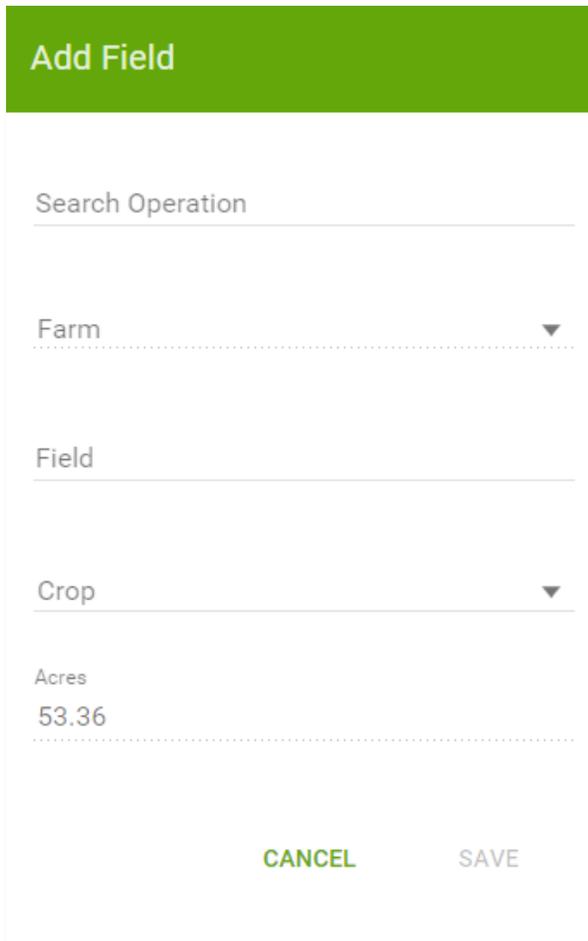
4. Use the **Select** tool to select one or more common land units (CLUs) or use **Draw Boundary** or **Draw Circle** to draw boundaries and then use **Cut Boundary** to remove sections.

Field Planner



5. When you finish using the boundary tools, click **Continue** at the bottom.

6. In the **Add Field** dialog box, assign the new field to an operation and farm, name the field, and optionally add a crop.



Add Field

Search Operation

Farm

Field

Crop

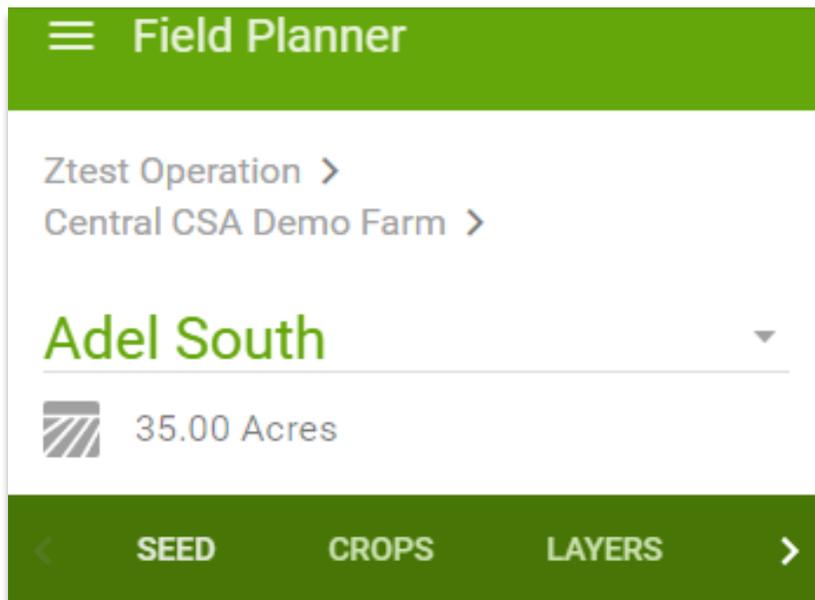
Acres
53.36

CANCEL SAVE

7. Click **Save**.

To edit farm and field attributes:

1. Navigate to the Operation or Farm level.
2. Select a field and click the down arrow to the right of the field name to switch between fields in a farm.

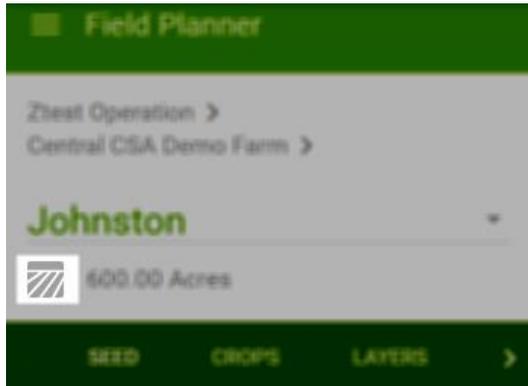


3. On the green bar, select to edit field attributes of **Seed**, **Crops**, **Layers**, and **Season Summary**.
4. Click **Seed** to view the seed products planned for the field. Click the FAB at the bottom and click **Field Notes** to add notes about the field.
5. Click **Crops** to view the crops planted on the field in previous years.
6. Click **Layers** to view the soil type layers.
7. Click **Season Summary** to view weather data.
8. Click the FAB and then click **Generate Reports**.

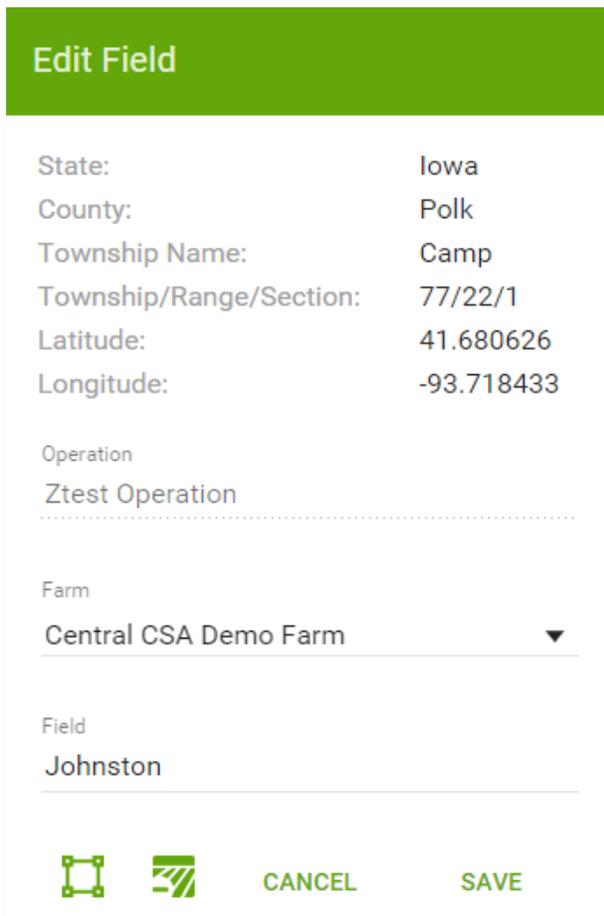
To assign a field to another farm:

1. Under the field name, click the **Edit Field** icon to edit the field.

Field Planner



2. In the **Edit Field** dialog box, select the farm where you want to assign the field from the **Farm** list.



3. Enter a name in the **Field** box to rename the field.

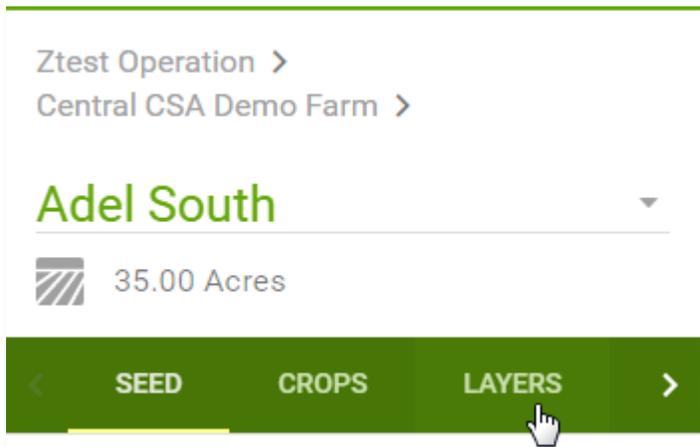
4. Click the icons at the bottom to edit the field boundary, delete the field, cancel changes, or save changes.



Note: Changing field boundaries applies across all crop years.

Field Level Information: Layers

1. To access field-level layer information, select a field.
2. In the **Operation** pane on the left, click **Layers**.



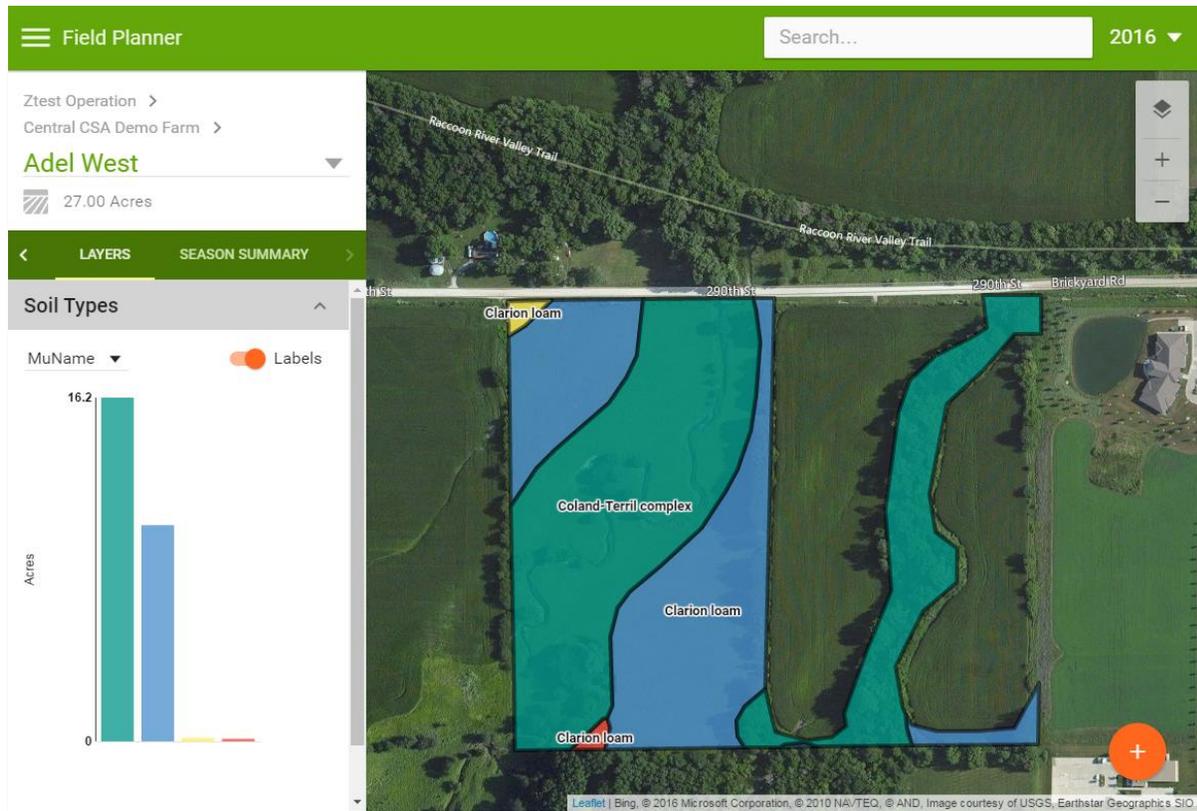
3. Click the layer type you want to activate.



The map loads with Layer attribute data. Only the largest area in each section is labeled to avoid crowding. Toggle layer map display labels. Switch between different layer attributes.

Field Planner

Information for the selected attribute and layer appears on the map with graphs and statistical information.

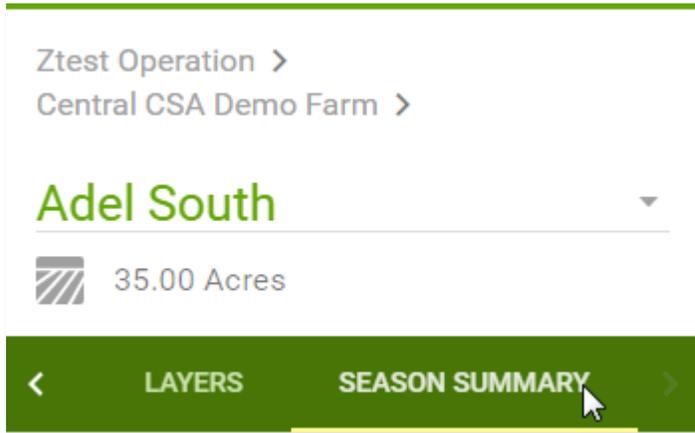


Hovering over a value on the graph or field layer in the map shows detailed information about the layer.



Field Level Information: Season Summary

1. To access Season Summary information, select a field.
2. Click the arrow on the right to navigate to and select **Season Summary**.

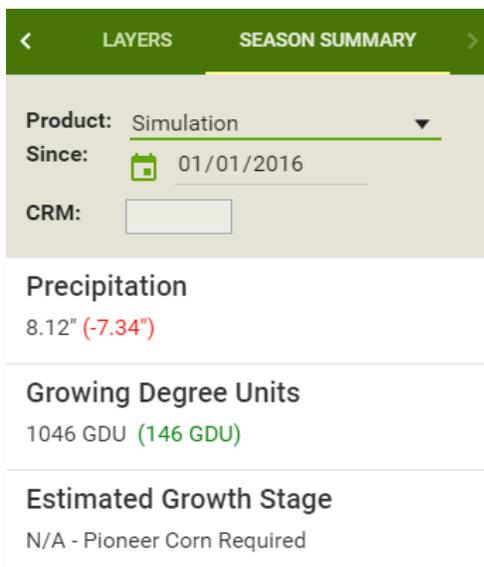


Product displays any planted or proposed seed you placed on the field.

Since defines what date the field was planted. The date could come from data imported from a field device or manually defined.

CRM is automatically populated based on the selected Pioneer corn product.

Precipitation and **Growing Degree Units** are calculated based on the date shown in the **Since** field. If no planting date is defined, it defaults to January 1st. Click each layer to receive detailed information with graphs. **Estimated Growth Stage** is calculated only when Product, Since, and CRM are defined. When available, click this layer for detailed information.



3. Run a simulation by keeping 'simulation' in the Product field if you have not defined your product.

You must first specify a corn crop zone. From here you can adjust your projected planting date in the Since field along with a projected CRM to produce an Estimated Growth State timeline.

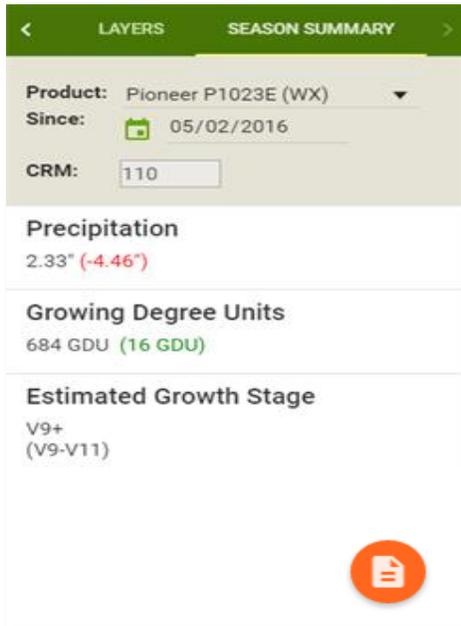
Product	Since	CRM
Pioneer P1023E (WX)	05/02/2016	110

Metric	Value
Precipitation	2.33" (-4.46")
Growing Degree Units	684 GDU (16 GDU)
Estimated Growth Stage	V9+ (V9-V11)

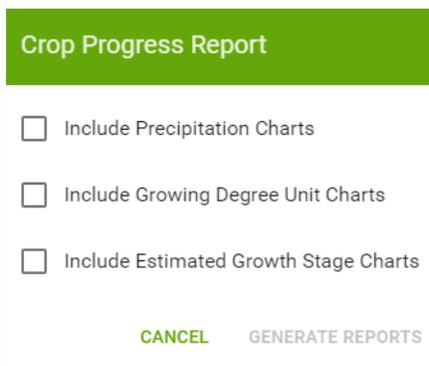
Field Level Information: Season Summary Crop Progress Report

Quickly create a Crop Progress Report (PDF) on the Season Summary tab. This report can include everything available to you on the Season Summary tab and an overhead shot of the field.

Field Planner



Select the pages to include and click **Generate Reports**. Estimated Growth Stage Charts are available when the selected field has a Pioneer-brand corn product placed.



Field Planner

Encirca™ Services 2016 Crop Progress Report
Zhest Operation | Central CSA Demo Farm | Adel West
Pioneer P1173AM (AMLLR2)

Report generated on September 9, 2016, 2:31 PM
Page 1 of 6



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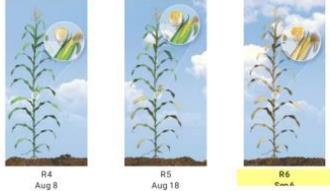



Encirca™ Services 2016 Crop Progress Report
Zhest Operation | Central CSA Demo Farm | Adel West
Pioneer P1173AM (AMLLR2)

Report generated on September 9, 2016, 2:31 PM
Page 2 of 6

Growth Stages

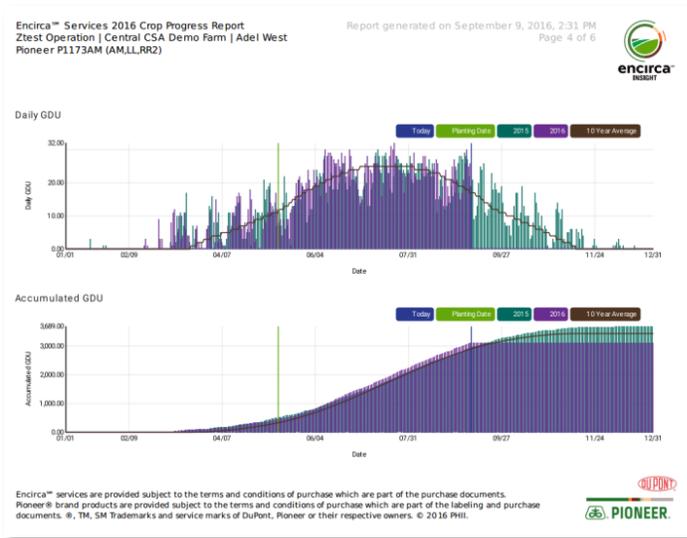
13.10" (5.96) PRECIP	2660 (78) GDU	R6 (Blacklayer-Physion) EST. GROWTH STAGE	Sep 5 EST. BLACK LAYER	19.94" (4.42) EVAPOTRANSPIRATION
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Physiological maturity
(10-15 days after silking) By the R6 stage, kernels have attained their maximum dry weight or dry matter accumulation. The leaf a tuck layer has advanced completely to the cob. A black or brown abscisive layer forms, moving progressively from the top of kernels to the base of kernels of the ear. It is a good indication of physiological maturity and signals the end of kernel growth. The husks and many leaves are no longer green, although the stalk may be.

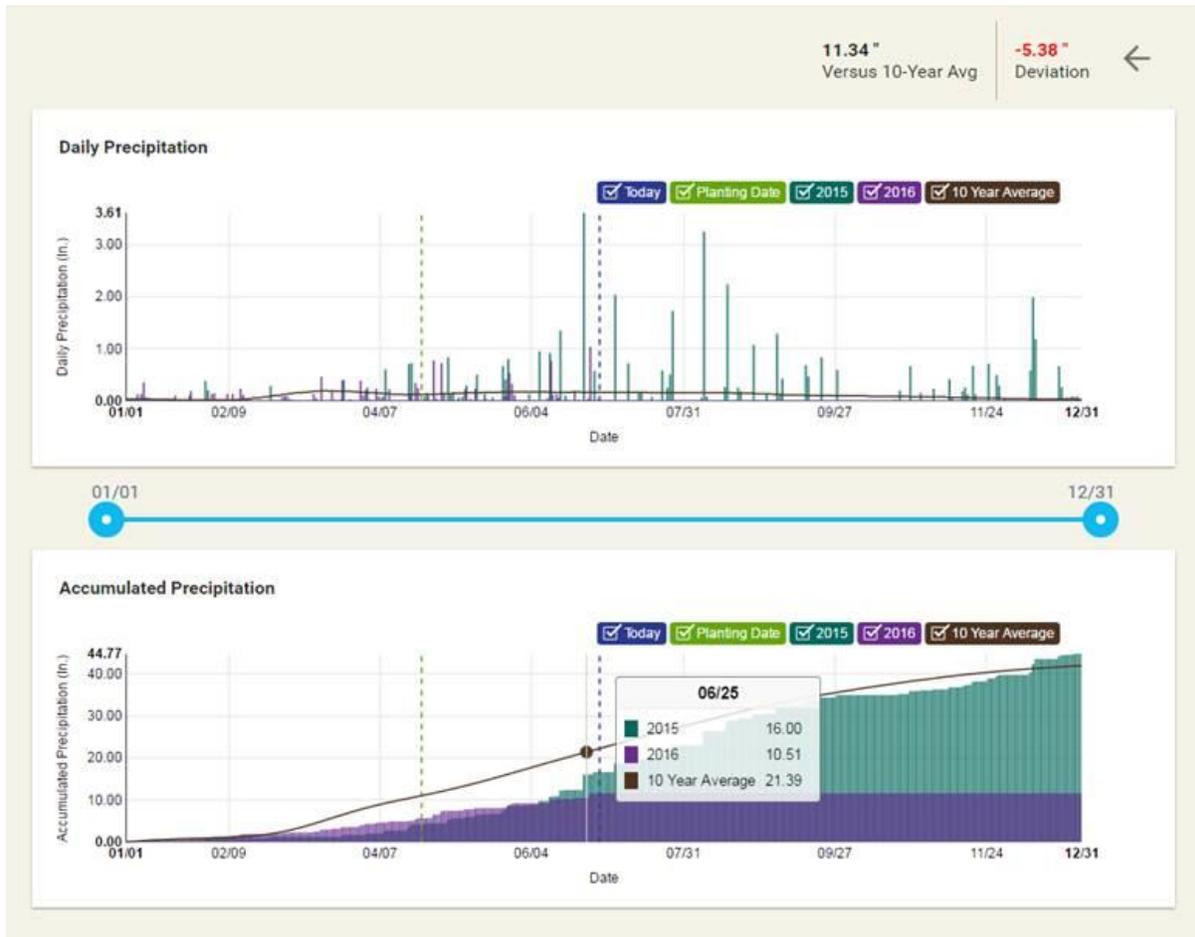
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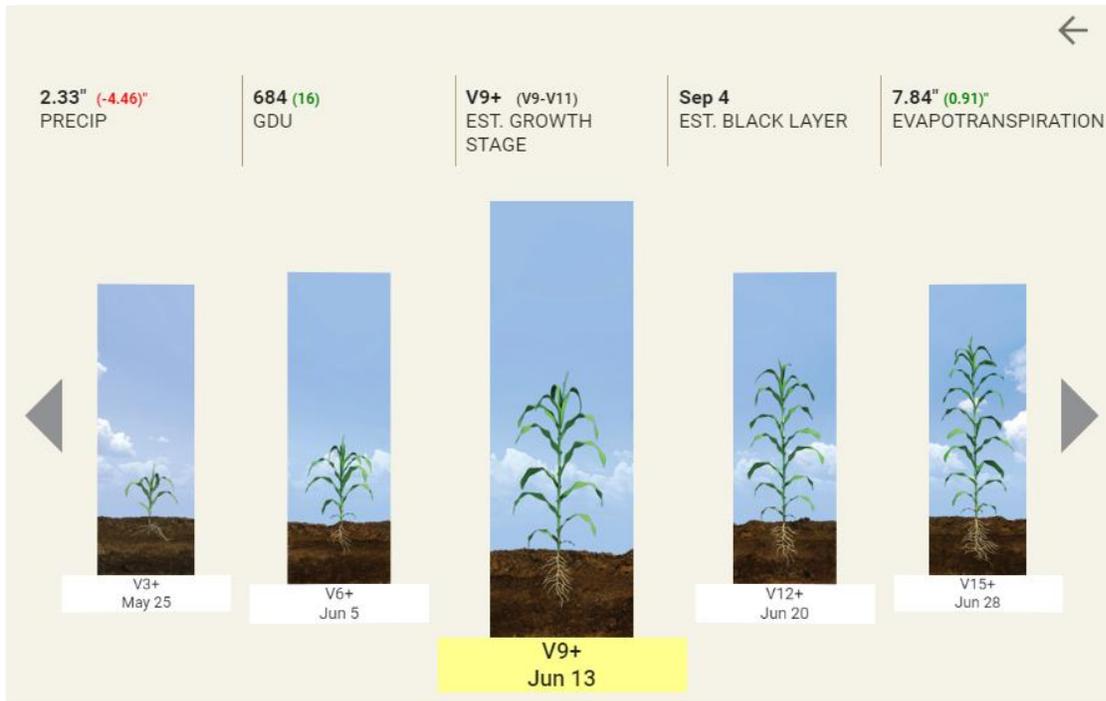
Field Level Information: Season Summary Extended Information

Precipitation and Growing Degree Units: Use the slider to adjust the timeframe from both ends. The graph automatically repopulates to the selected range. Toggle values on and off for easy comparison. The timeframe line gives you a quick reference to today's date. Hover over the graph to get detailed information for a specific date.



Estimated Growth Stage: The system highlights the current estimated growth stage in yellow. Cycle through the chart to see when other growth stages are estimated to occur.

Field Planner



Clicking the stage's image reveals detailed information about that stage.

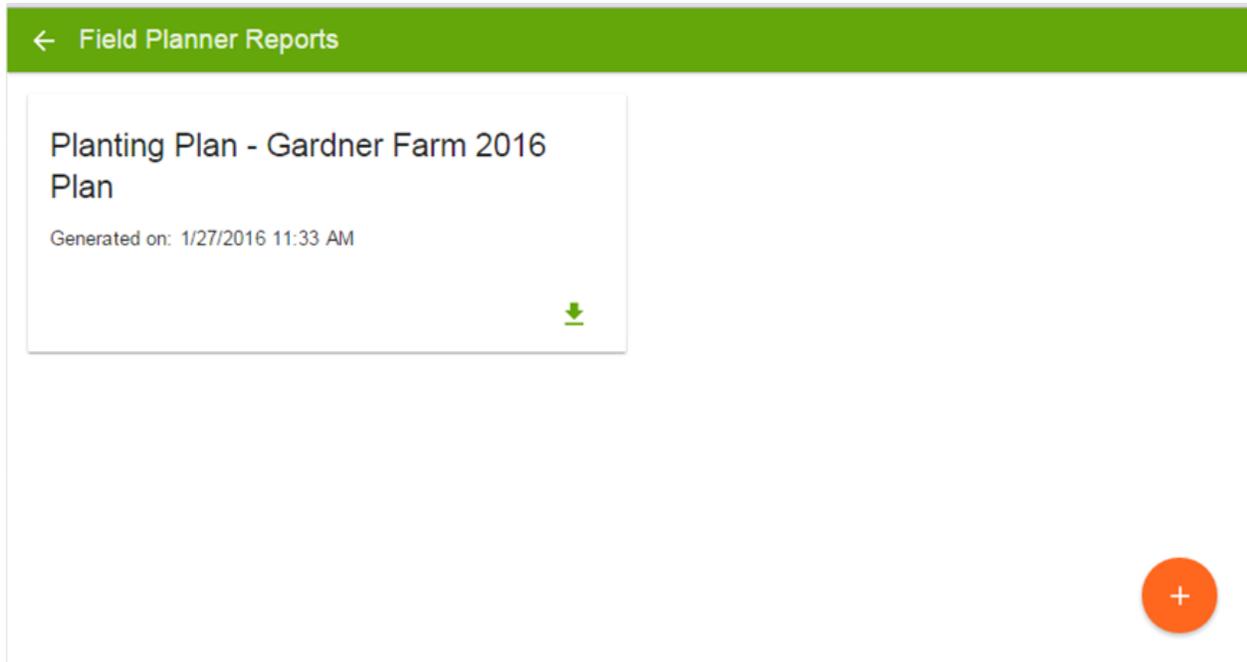
V15 Stage

This is the start of the most crucial period for determining grain yield. Upper ear shoot development overshadows lower ear shoot development. Every one to two days, a new leaf stage occurs. Silks begin to grow from the upper ears. By V17, the tips of upper ear shoots may be visible atop the leaf sheaths. The tip of the tassel also may be visible.

V15+
Jun 28

Reports

To access reports, select the operation you want to report on and click **Reports** on the Field Planner menu. The Reports menu lists currently generating and previously generated reports.



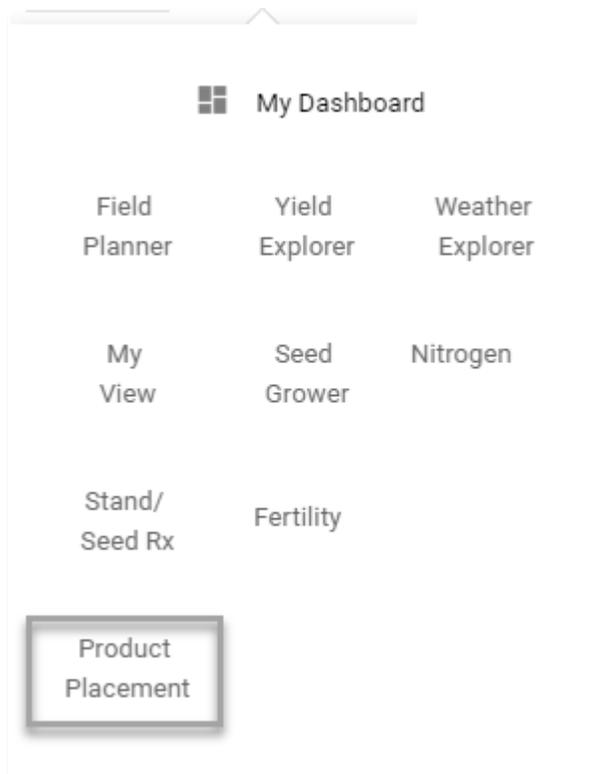
1. Click the arrow at the bottom of the card to view, print, or save a report. Click the trash can to remove a report.
2. To create a new report, click the FAB on the bottom right.
3. Enter a report name and select the options to include.

Product Placement

Product Placement gives you a quick view of fields in the operation and allows you to place product on an individual field or multiple fields and send the seed proposals to Connex for invoicing or automatically generate seed proposals in Connex. Find information on what was planted last year, what is planned for this year, and additional information such as treatments and seeding rates. Quickly reconcile seed inventory needs based on product placed and invoiced data.

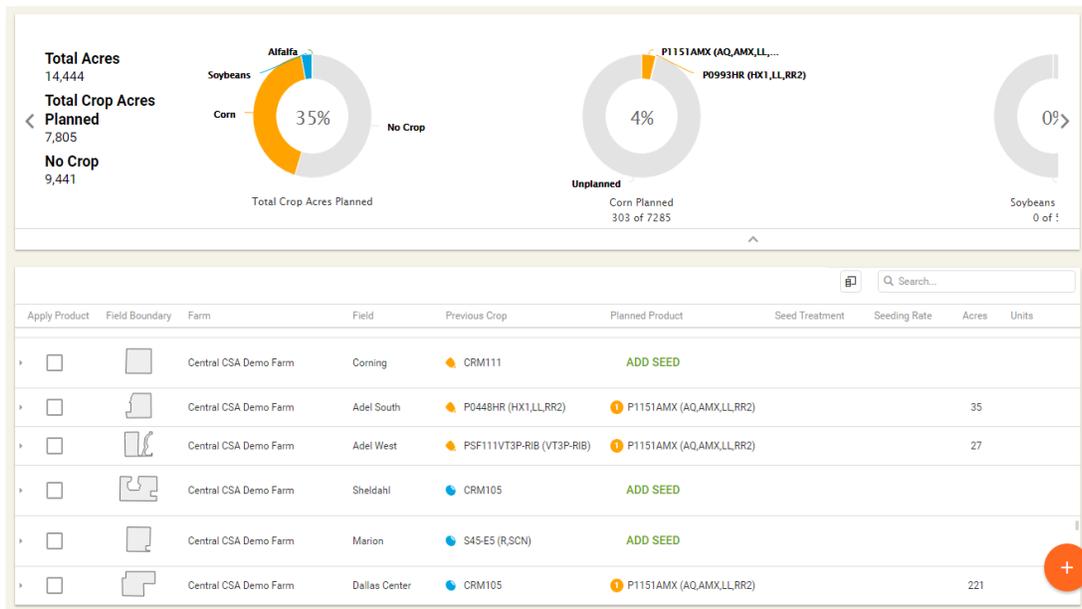
To access Product Placement:

1. Log in to Encirca services.
2. Use **Search** on the menu bar to select an operation, farm, and field.
3. For **Crop Year**, select **2018**.
4. On the App Chooser, click **Product Placement**.



Plan Summary

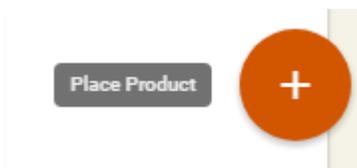
In Product Placement, the Plan Summary tab shows products planned across your operation and progress statistics for where you are in the planning process.



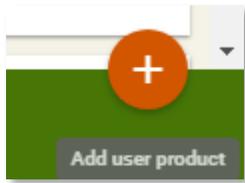
It includes figures for your total operation and each crop type. View how much product was planned for a field or if a seed plan needs to be added. The orange circle in the Planned Product column denotes how many products were planned for that field. If more than one product is present, use the arrows on the left to expand the view and show all planned products.

To add a seed product:

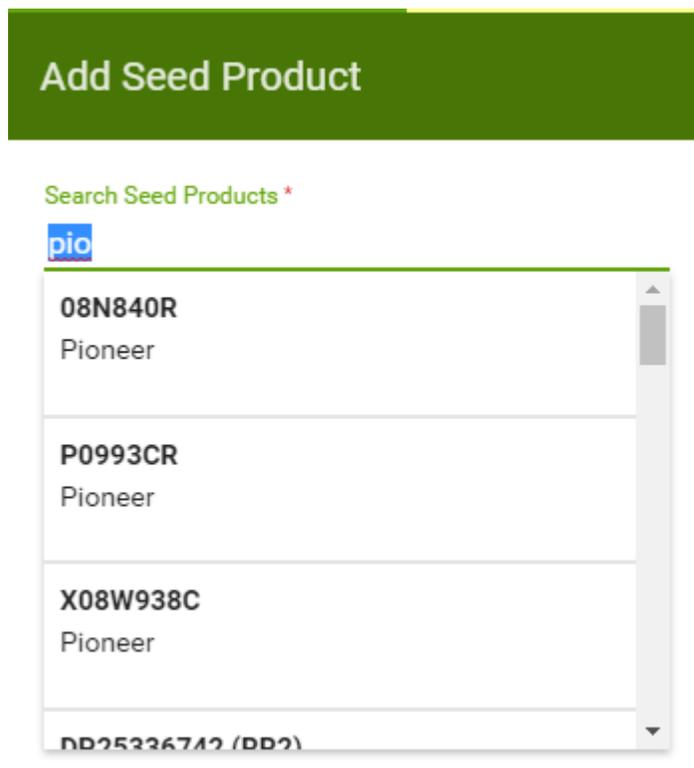
1. On the Product Placement menu bar, click **Plan Summary**.
2. Click the FAB on the lower right and click **Place Product**.



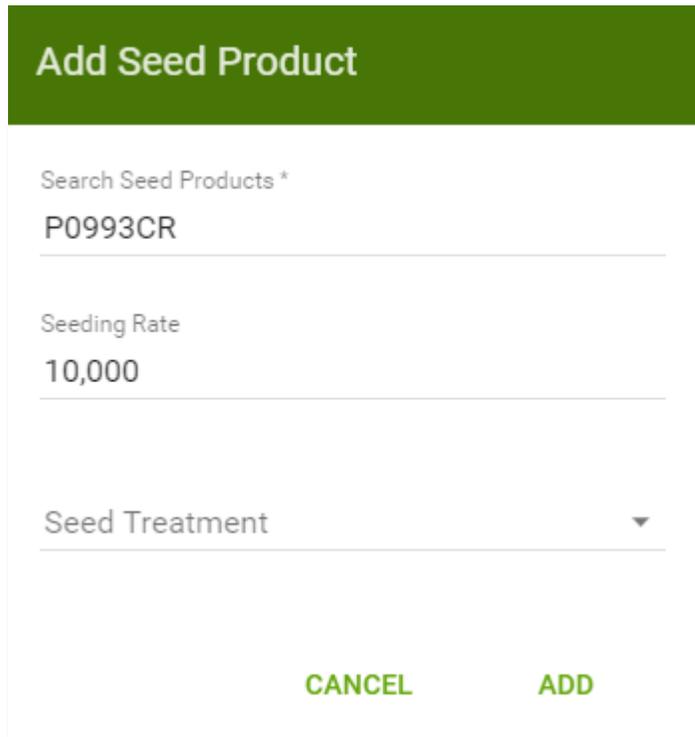
3. In the **Place Seed Product** pane, click the FAB and click **Add user product**.



4. In the **Add Seed Product** pane, click **Search Seed Products** and enter the beginning of a brand name.



5. Scroll to the seed product and select it.
6. Click **Seeding Rate** and enter a seeding rate.



Add Seed Product

Search Seed Products *
P0993CR

Seeding Rate
10,000

Seed Treatment ▼

CANCEL **ADD**

7. Optionally click **Seed Treatment** and select a treatment.
8. Click **Add**.

To place seed:

1. On the Product Placement menu bar, click **Plan Summary**.
2. Select **Grid** on the menu bar.
3. To add seed to an individual field, click **Add Seed** in the **Planned Product** column.
4. To add a single product to multiple fields, click the FAB on the lower right and click **Place Product**.

By default, the list shows the products available to sell in your region. You can add competitor products. If you created a custom list and want to reset it to your regional default settings, remove all products and Field Planner automatically reimports the default list.

5. In the **Place Seed Product** panel, click **Crop Filter** at the top to select one or more seed products to place.

Place Seed Product ?

Crop Filter
Corn, Soybea... Inventory Only

 P1011XRRCR (HXX,LL,RR2) ×
(CDN) Poncho 1250 (FST/IST)
Total Inventory: 0 
Balance: -9.6
<hr/>
Add Seeding Rate +
<hr/>
 P1197YHRCC (RR2) ×
Total Inventory: 0 
Balance: 0.0
<hr/>
Add Seeding Rate +
<hr/>
93B86 (SCN) ×
Total Inventory: 0 
Balance: 0.0
<hr/>
Add Seeding Rate +

6. Enter a seeding rate in the **Add Seeding Rate** box.

Field Planner

P1011XRRCR (HXX,LL,RR2)
✕

(CDN) Poncho 1250 (FST/IST)

Total Inventory: 0

Balance: -9.6

Add Seeding Rate

10,000
+

7. Click the button to the left of the seeds/acre.

P1011XRRCR (HXX,LL,RR2)
✕

(CDN) Poncho 1250 (FST/IST)

Total Inventory: 0

Balance: -17.7

●
10,000 seeds/acre
✕

Add Seeding Rate
+

8. Select one or more fields on the grid to place the selected seed product.

Apply Product	Field Boundary	Farm	Field	Previous Crop	Planned Product	Seed Treatment	Seeding Rate	Acres	Units
<input checked="" type="checkbox"/>		Marion POD	Tuesday	Unknown	P1011XRRCR (HXX,LL,RR2)	(CDN) Poncho 1250 (FST/IST)	10000	139	17.4
✕					P1011XRRCR (HXX,LL,RR2)	(CDN) Poncho 1250 (FST/IST)	10000	139	17.4

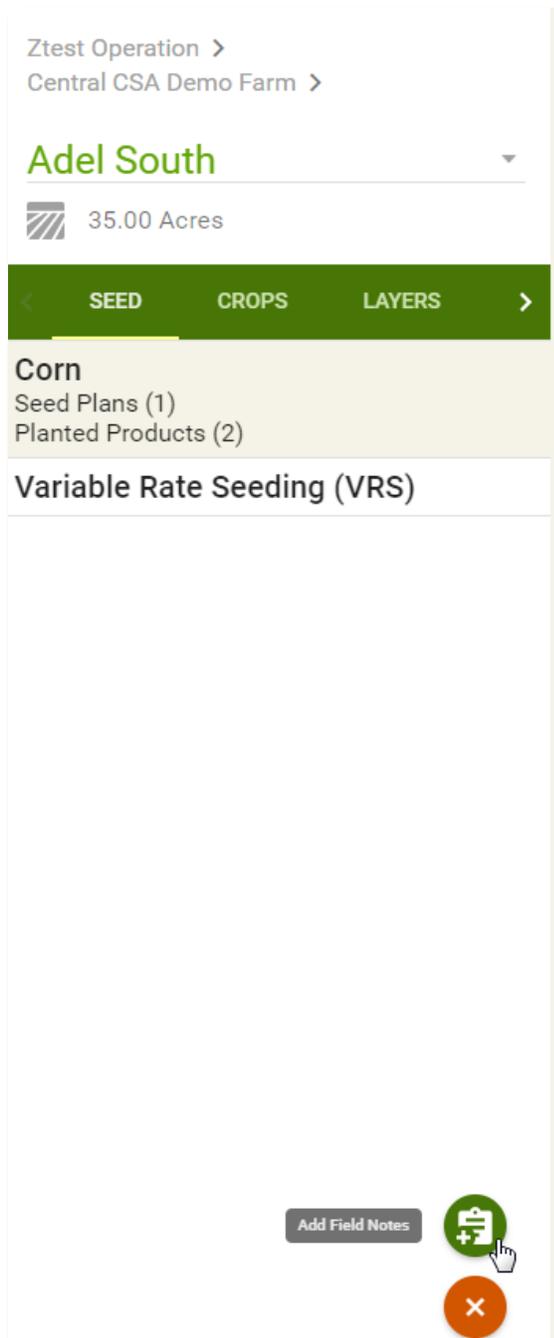
On the Product Placement summary grid, units for a field are automatically calculated based on seeding rate and acres.

To update or change a seed plan:

Update or change a seed plan from the Field Planner **Seed** tab or in the Product Placement summary grid.

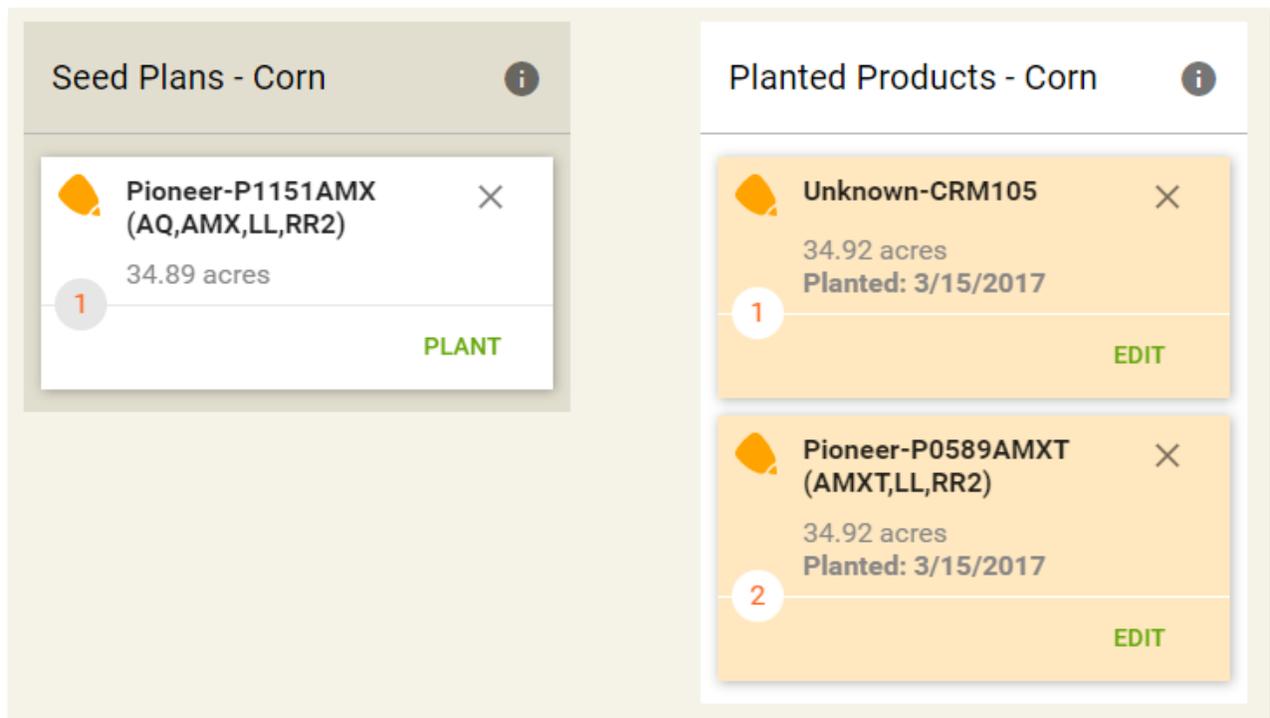
Field Planner

1. Navigate to the field in the side bar and click the **Seed** tab where you can see how many Seed Plans and Planted Products you have for the field.



2. Optionally click the FAB and select **Add Field Notes**.
3. To delete a seed plan or planted product, select the crop type.

4. On the **Seed Plan** or **Planted Product** cards, delete a seed plan or edit or delete a planted product.



5. Turn a Seed Plan into a Planted Product by clicking **Plant** and entering a **Planted Date**.

Assume the product is planted across the entire crop zone because it is calculated that way.

Variable Rate Seeding

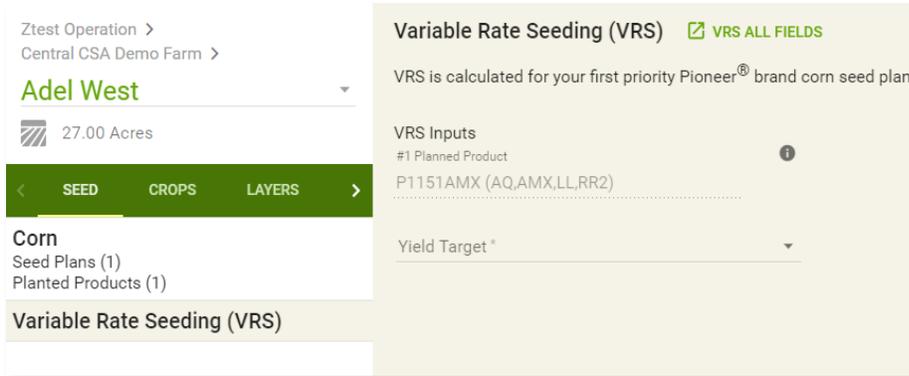
To create a Variable Rate Seeding plan in Field Planner, you must meet these criteria:

- The field must have decision zones.
- You must have a seed plan in place that has a Pioneer corn product set as the first priority.

To create a Variable Rate Seeding plan for a field:

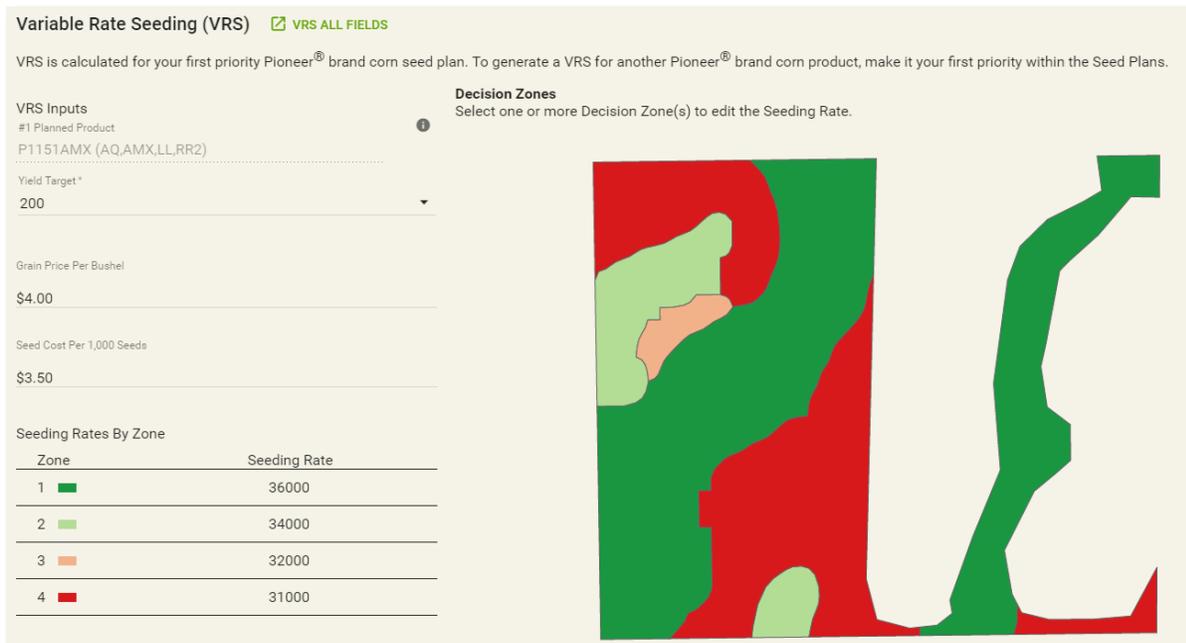
1. Find **Variable Rate Seeding** under the Field Planner **Seed** tab.

2. Define a Yield Target for the field.



After you set your Yield Target, Field Planner creates a plan for you with specific seeding rates for each decision zone. Grain price and seed cost start with a default price of \$4.00 and \$3.50 respectively.

3. Adjust grain price and seed cost to the prices in your area.



4. Adjust individual decision zones to account for personal knowledge of the field by clicking the decision zone and adjusting the seeding rate on the left.

To create a Variable Rate Seeding plan for all fields:

You can also create Variable Rate Seeding plans for all your fields at the same time. To do this:

1. On the App Chooser, click **Product Placement**.
2. Click the **Variable Rate Seeding (VRS)** tab.

Only fields that are eligible for VRS plans are listed.

3. Adjust Yield Target for each field as well as grain price and seed cost.

	Field Boundary	Farm	Field	Planned Product	Yield Target	Grain Price Per Bu.	Seed Cost Per 1,0...
	<input type="checkbox"/>		Central CSA Demo Farm	> Adel South	P1151AMX (AQ,AMX,LL,RR2)	ADD	\$4.00 / \$3.50
	<input checked="" type="checkbox"/>		Central CSA Demo Farm	> Adel West	P1151AMX (AQ,AMX,LL,RR2)	200	\$4.00 / \$3.50
	<input checked="" type="checkbox"/>		Central CSA Demo Farm	> Dallas Center	P1151AMX (AQ,AMX,LL,RR2)	160	\$4.00 / \$3.50

4. To navigate to an individual field for items such as adjusting individual decision zones, click the field boundary.
5. Export your VRS plan from this page by selecting the fields you want to export and then clicking Export VRS on the bottom right. Export individual Variable Rate Seeding plans by clicking Export VRS.
6. When exporting, select the **Configuration** to use for the plan.

For all configuration types, you can send to email or Encirca Sync Mobile. If you are connected to JDLink™ Connect and choose Deere (Shapefile) as the Configuration, you can send it to My John Deere.

Export Variable Rate Seeding

Configuration*
Generic Shapefile

SendTo*
Email

Email*
first.lastname@pioneer.com

CANCEL EXPORT FIELDS

Send to Connex

Field Planner sums seed proposals by product and units at the operation level and sends only the products on your Available to Sell list to Connex proposals. If a product is not on your Available to Sell list, Field Planner lists the products it did not send. To add a product to your Available to Sell list, contact your account manager.

If you place two or more products on a field, only the first product listed gets sent to Connex proposals. Units are rounded to whole numbers. Click **Plan Summary** on the Product Placement menu bar to view which seed products are on the field. Connex automatically assigns the first subproduct (seed treatment) code.

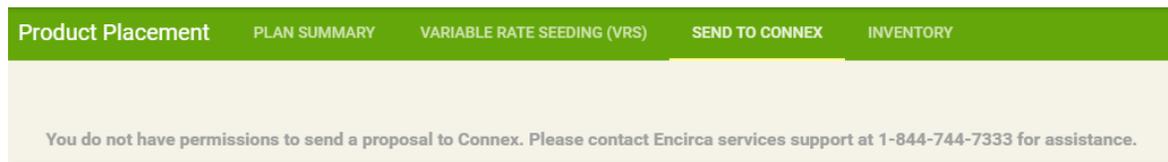
Send proposals from Field Planner to Connex multiple times to handle changes made throughout the planning season. If you make changes for that operation, resend the proposal to Connex. In Connex, remove the outdated proposal.

When you are ready to send your seed proposals to Connex for invoicing, follow these steps:

1. Create an account description in Connex for the operation and current sales year.
2. In Field Planner, select the **Operation** and select **2018** as the **Crop Year**.

3. On the Product Placement menu bar, click **Send to Connex**.

Note: If you do not have permissions to send proposals, Product Placement displays a message about contacting Encirca services support.



4. Select the **Account Description** you want to associate with the seed proposal at the operation level.

5. In Connex, click **Proposed** on the account description.

Multiple account descriptions appear when applicable. If you have multiple account descriptions associated with an operation, send the proposal to Connex twice and then break down the proposal accordingly.

6. Select the proposal name (defaults to the operation name) and optionally change the proposal name.

7. Select the operation name.

8. Click a line item to adjust details.

Because all products for the operation are included in the proposal, you might need to delete products that do not apply to this account description.

9. To delete a line item, select the line item and click the trash can icon.

Changes made to the Seed Proposals in Connex are not sent back to Field Planner.

Inventory

Click **Inventory** on the Product Placement menu bar to view the seed product balance across the selected operation.

The screenshot shows the 'Inventory' tab selected in the Field Planner interface. The breadcrumb navigation is 'Operation > Farm > Field' and the search bar contains 'E T L Farms'. The crop year is set to 2017. The table below lists various seed products with their respective inventory and balance information.

Crop Type	Product Name	Invoiced Inventory	Manual Inventory	Units Placed	Balance
Corn	P0157AM (AQ,AM,LL,RR2)	300	0	0	300
Corn	P0242AMXT (AMXT,LL,RR2)	150	0	0	150
Corn	P1197AM (AM,LL,RR2)	100	0	30	70
Corn	P0921AMXT (AMXT,LL,RR2)	0	0	0	0
Corn	P9807AM (AM,LL,RR2)	100	0	0	100
Corn	P9188AMX (AMX,LL,RR2)	5	0	0	5
Corn	DEKALB	0	10	44	-34
Corn	P9188R (RR2)	0	0	44	-44
Sorghum	85Y34CS (Wht)	0	0	3	-3
Soybeans	92M10	55	0	92	-37
Soybeans	P19T39R2 (RR2Y,SCN)	260	0	0	260
Soybeans	P35T97R2 (RR2Y,SCN)	80	0	0	80
Soybeans	P22T69R (R,SCN)	410	0	0	410
Soybeans	P34T07R2 (RR2Y,SCN)	75	10	88	-3

Inventory is not based on your agency supply allocation. Total inventory is the **Invoiced Inventory** units from Connex plus the **Manual Inventory** units. The **Balance** column shows the total inventory minus units placed across the operation.

Seed plan cards are automatically updated with the latest total inventory information (invoiced plus manual) for that product. When you have multiple seed plan cards for the same product, but with different seed treatments, inventory reconciliation is performed only at the product level. Seed treatment information from the Connex invoice is not considered.

If you change the invoice in Connex, the Invoiced Inventory data is automatically updated in Field Planner.

Use **Manual Inventory** for products not invoiced in Connex. Update manual inventory on the seed plan cards or on the **Inventory** tab.

P1011XRRCR (HXX,LL,RR2) ×
(CDN) Poncho 1250 (FST/IST)
Total Inventory: 0 ✎
Balance: -9.6
Add Seeding Rate
10,000 +

On the seed plan card, click the pencil icon next to **Total Inventory**. In the **Update Inventory** dialog box, change the amount for **Manual Inventory**.

Update Inventory
P9789AMXT (AMXT,LL,RR2)
Invoiced Inventory
40
Manual Inventory *
0
CANCEL SAVE

Field Planner lists all seed plan cards with manual inventory, regardless of whether seed was placed on a field.

Supported Systems

Encirca services are supported on the following systems.

Supported Hardware

- Standard Client PC
- Dell Venue
- iPad

Operating Systems

- Microsoft Windows versions 8.1 and 7
- Tablet OS – Current and Current –1 versions
- iPad – Current and Current –1 versions

Supported Browsers

- Chrome (current version)
- Mobile Safari (landscape only)
- Mobile Chrome on iPad (landscape only)

Language and Countries

- Language – American English
- Countries – United States and Canada

Need Additional Help?

If this document does not answer your questions, contact us by phone or email.

Toll-free phone: (844) 744-7333

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