

# SST Summit®

## User Guide

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# Chapter 1: Installing SST Summit and SST Stratus

## System Requirements

### Requirements for SST Summit

- Intel Pentium or AMD Thunderbird/XP 2 GHz or greater
- 1 GB RAM
- 50+ GB Hard Disk
- CD-ROM
- Windows 2000/XP/Vista

### Requirements for SST Stratus

- Handheld Computer with Windows Mobile 2003, 5.0, or 6.0
- Secure Digital (SD) or Compact Flash (CF) card.
- Screen Size of 240 wide by 320 high (or same aspect ratio of 4:3. For instance, 480 x 640 screens are compatible.)
- Compatible with GPS Receivers with NMEA 2.0+ output.

## Installation

### To install SST Summit:

1. Close all programs.
2. Place the Summit CD into the CD-ROM drive.
3. The application will auto-run.
4. Select the **Install SST Summit** option.
5. Follow the directions on the screen to complete the installation.

### Getting Your Key:

1. Open **SST Summit**.
2. Select **Home** from the top menu.
3. Select **Settings** on the left of the view.
4. Select the **SST Summit Key** tab.
5. Email the **Registration Key** and **Serial Number** to [support@sstsoftware.com](mailto:support@sstsoftware.com).
6. An SST Customer Service Representative will reply with your **Summit Key**.

### To install SST Stratus:

1. Connect a handheld computer to your PC. You will need to install **Microsoft ActiveSync** in order to establish a connection to your handheld.

2. Once a connection is established, open **SST Summit**.
3. Select **SST Stratus** from the top menu.
4. Select **SST Stratus Setup**.
5. Follow the directions on the screen to complete the installation.
6. Establish a relationship for each Stratus you connect to your Summit.
7. Select the **Manage Relationships** tab.
8. Follow the instructions on the screen.

## Chapter 2: Adding Field Boundaries into SST Summit

### Digitizing Field Boundaries from Online Imagery

To digitize a field boundary from online imagery:

1. Select **Setup** from the top menu.
2. Select **Field Management Setup/Create New Boundary** and click **Next**.
3. Select **Create New Boundary Using Online Imagery** and click **Next**.
4. Type in the **Latitude/Longitude, City/State, PLSS code, or Airport code** nearest to the field you want to digitize and select **Next**. The digitizing screen appears with an aerial image of the location you entered.
5. Use the arrow buttons surrounding the image to move to the desired field and use the cursor to zoom to the field. The image may appear pixilated.
6. **Select the type of imagery** you want to use for digitizing and select **Next**. The SST Summit Digitizing Tool Screen opens.
7. The **Digitize** feature is automatically selected. Draw a line around the desired field by clicking the mouse button. **Double-click** to close the polygon and complete the field boundary. Click the **Help** button to learn more about each tool.
8. When finished, select **Next**.
9. The Add Fields section appears. **Fill out the form** to name the new field in the Client/Farm/Field structure. Click **Save**.
10. The Field Information screen appears. Fill out the form if you want to add more detailed information about the field and select **Save and Done**.
11. To see the field or begin collecting records, select the **Records** button on the top menu. Select the **Client/Farm/Field** from the right menu and the field boundary will open.

### Digitizing Field Boundaries from Saved Imagery

To Import an image into SST Summit:

1. Select **Setup** from the top menu.
2. Select **Basedata** and select the **Import Image File** tab.
3. Option: Choose **Add Field-Specific Imagery** if the image you are importing is a single field or choose **Add General Imagery** if the image covers a large area that encompasses many fields such as a County NAIP image or imagery provided by a third party source.
4. Follow the directions on the screen to **browse** to and import the image. When finished, select **Done**.

To digitize a field boundary from the imported image:

1. Select **Setup** from the top menu.
2. Select **Field Management Setup/Create New Boundary**.
3. Select **Create boundary using imagery in Summit**.
4. **Select the image you imported** and select **Next**.  
The image appears in the SST Summit Digitizing Screen.
5. The **Digitize** feature is automatically selected. Draw a line around the desired field by clicking the mouse button. **Double-click** to close the polygon and complete the field boundary. Click the **Help** button to learn more about each tool.
6. When finished, select **Next**.
7. The Add Fields section appears. **Fill out the form** to name the new field in the Client/Farm/Field structure. Click **Save**.
8. The Field Information screen appears. Fill out the form if you want to add more detailed information about the field and select **Save** and **Done**.
9. To see the field or begin collecting records, select the **Records** button on the top menu. Select the **Client/Farm/Field** from the right menu and the field boundary will open.

#### **Adding Field Boundaries from Existing Shapefiles**

1. Select **Setup** from the top menu.
2. Select **Field Management Setup/Add field by browsing to existing shapefile** and select **Next**.
3. **Browse to the shapefile** stored on your hard drive and select **Next**.
4. You will be asked to verify your field boundary using online imagery. (Only available to U.S. customers.)
5. Choose **Verify boundary using online imagery** and select **Next**.
6. In the following view, select **Next** to download an online image. Verify the boundary as needed and use the edit boundary tools to correct any errors. When finished, click **Next**.
7. The Add Fields section appears. **Fill out the form** to name the new field in the Client/Farm/Field structure. Click **Save**.
8. The Field Information screen appears. Fill out the form if you want to add more detailed information about the field and select **Save** and **Done**.
9. To see the field or begin collecting records, select the **Records** button on the top menu. Select the **Client/Farm/Field** from the right menu and the field boundary will open.

## **Management Zones**

Always digitize or drive the boundary to the largest extent of the cultivated acres. This defines the number of acres managed within that field. Sub-field areas that are managed independently of one another are called Management Zones. For example, an 80-acre field that has been split in half with corn on one half and beans on the other could still be managed as one 80-acre field with two Management Zones.

### **Creating a Management Zone in SST Summit**

Management zones are created in the Records section.

1. Select **Records** from the top menu.
2. Select the **Split** tool from the toolbar. Draw a line or polygon and double-click to make the split.
3. Select **Save** on the bottom left of the screen and **name the file management zone** or something that reflects what happened at the time of creation. Examples might be crop zones 2009, corn/beans 2008, or corn 2008.

## Chapter 3: Creating a SyncNow Account

SyncNow is a free service that allows you to: synchronize data with other SST Summit users, automatically backup and store your data on a server, and download free soil type data (only available to U.S. customers). It is also the data delivery system for FarmRite customers.

### To Create a SyncNow Account:

1. Select **Setup** from the top menu.
2. Select **SyncNow/SyncNow Setup** and click **Next**.
3. Select the **Create SyncNow Account** button.
4. **Fill out the form**. A confirmation email will be sent to you.
5. You will need to validate your account by clicking on the link in the email.
6. Select the **SyncNow button** to finish the setup process.

### Setting up a Relationship with another SST Summit

1. The 4-digit **SyncNow Group Number** is listed in the middle of the **Home** page. You will need to know the SyncNow Group Number of the other Summit(s) you are creating a relationship with.
2. Select **Setup** from the top menu.
3. Select **SyncNow / Create New Relationship**
4. **Enter the SyncNow Group Number** of the SST Summit you wish to share data with.
5. Take the defaults in the following page; this will allow each person to be their own administrator of their data. The administrator decides which operations can be shared.
6. **Choose the appropriate options** for sharing the various operations between these Summits. Click the **Don't Share** option as needed.
7. **Choose the Clients/Farms/Fields** to share with the receiving SST Summit.
8. Select **Done**.
9. When the receiving Summit is synchronized, the user will see a dialog box that asks if they want to Accept or Reject this relationship. They will need to select the **Accept** option, then click the **Reciprocate** option if they intend to share the same operations and fields back with you.

**Note: Once a relationship has been created, all newly added boundaries can be shared in SyncNow relationships.**

**Note: It typically takes three SyncNow clicks per SST Summit to finalize data sharing through a SyncNow relationship. Both SST Summits must sync once to initiate the relationship. Then they must sync each time data is uploaded to the server and downloaded from the server.**

## Chapter 4: Importing & Managing Data in SST Summit

### Importing Soil Type Data

1. Select the **SyncNow** button to make sure you have sent your field boundaries to the server. Refer to SyncNow Chapter.
2. Select **Setup** from the top menu.
3. Select **Basedata/Download Soil Data**.
4. **Check-mark the target field(s)**.
5. On the right side of the screen, the SSURGO option is checked on. SSURGO is the USDA soil database. Iowa residents can check on the ISPAID option to download Iowa soil data. These options are only available to customers in the US.
6. Click the **Download Selected** button.
7. You can view the downloaded soil type data in the **Maps** section.

### Directly Importing Soil Test Results from Lab

Several leading soil test labs have implemented a programming interface that allows them to directly attach soil test results to the SST server, minimizing the need for you to receive soil test result emails and manually import each file. Visit [www.sstsoftware.com/summit\\_dataformats.htm](http://www.sstsoftware.com/summit_dataformats.htm) to view the current list of labs that offer this service.

1. Import the soil test points from SST Stratus. (See Stratus Chapter)
2. Select **Reports** from the top menu.
3. Select **Record Reports**.
4. Select the appropriate **Client, Farm, and Field/s**.
5. Select **Soil Sampling Reports/Barcode Report**.
6. Click the **Preview** button to open a pdf barcode report the soil test lab will use.
7. **Print** 1-page for each field and include it with the soil samples that are delivered to the soil test lab.
8. When the lab is finished, click the **SyncNow** button to import the results into your SST Summit.

### Building the Soil Lab Format

1. Select **Data Management (Data Mgmt.)** from the top menu.
2. Select **Soil Test (Results)** from the Type of Data pick list.
3. Under the Format option, choose **Manage Import Formats**.
4. Select the **Create New** button.
5. **Browse** to the file that contains your soil test lab results.
6. Select the **Delimiter Type**.

7. Match each column header to the appropriate header such as: match Sampling ID to the id column or Soil pH to the ph column.
8. When finished, click **Save**.

#### **Importing Soil Test Shapefile**

1. Select **Data Management (Data Mgmt.)** from the top menu.
2. Select **Soil Test (Spatial)** from the Type of Data pick list.
3. Under the Format option, select **Shapefile**.
4. Click **Browse** and navigate to the location where these shapefiles are located.
5. **Select all the shapefiles** you need to import and select **Next**.
6. The next view will show all the fields that intersect the selected point shapefiles.
7. **Choose** the files you want to import by filling out all the items in red.
8. Select **Next**.

#### **Importing Soil Test Results**

1. Select **Data Management (Data Mgmt.)** from the top menu.
2. Select **Soil Test (Results)** from the Type of Data pick list.
3. Under the Format option, select the **appropriate lab format**.
4. **Browse** to the file that contains your soil test lab results.
5. Open up the **Client/Farm/Field** to the **Soil Sampling** operation.
6. Match each column header to the appropriate header such as: match Sampling ID to the id column or Soil pH to the ph column.
7. Click the **Import** button.

#### **Importing Yield Data**

1. Select **Data Management (Data Mgmt.)** from the top menu.
  2. Select **Import Data**
  3. From the **Type of Data** list, select **Harvest**.
  4. Choose the **Format**.
  5. **Browse** to the folder where your raw yield data files are stored.
  6. **Select the files** you wish to import.
  7. Click the **Next** button
  8. **Fill out the Red Text boxes** in the following pages.
  9. Click the **Next** button
  10. Choose to do a **Manual Import** and click **Next**. The Batch Import option can be selected, if you don't question the spatial accuracy of the yield data that is being imported. Unless you trust this to be true, it would be more efficient to do a Manual Import.
  11. If all the points (in blue) intersect the field, click the **Next** button and continue. If not, select the **Split** tool and **Select Intersecting Points**.
  12. Click **Next**.
  13. Click the **Finish** button when all the yield files have been read
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14. When Summit has completed processing, click **OK**.
15. To view yield data, open the **Maps** section and navigate to the field. (Refer to the Maps Chapter)
16. Yield Reports can be created by navigating to **Reports/Record Reports/Harvest/Yield**.

#### **Importing Veris® EC Data**

1. Select **Data Mgmt.** from the top menu.
2. Select **Import Data** and for the type of data choose **EC data**.
3. **Browse** to and **select** the .dat files.
4. For the **Select an Import Option**, choose **Import points to this field**.
5. Fill in the **Crop Season**.
6. Fill in a **Saved Name**. (This is optional)
7. Choose the **Event Date** for when this data was collected.
8. Click the **Next** button.
9. To view this data, navigate to the appropriate field in the Maps section. (Refer to the Maps Chapter)

#### **Importing .sst Packages**

.sst packages are files that one SST Summit user can send to another SST Summit user for transferring data when no SyncNow Relationship exists between users. However, a SyncNow Relationship is a more efficient and seamless way to share data with other Summit users.

To import a .sst package:

1. Select **Data Mgmt.** from the top menu.
2. **Browse to the .sst file**.
3. Follow directions and click **Next** through the wizard.

To export a .sst package:

1. Select **Data Mgmt.** from the top menu.
2. Select **Export Data** and choose the types of data to send to another SST Summit.
3. Click the **Next** button.
4. Choose the specific **Clients/Farms/Field** and data to be packaged.
5. Click the **Create Package** button.
6. **Name and Save** the file on your hard drive.
7. The .sst package can now be emailed to another Summit user.

## Deleting Data

To delete Yield Data:

1. Select **Data Mgmt.** from the top menu.
2. Select **Delete Data.**
3. Select **Delete Yield.**
4. Choose the files to delete and click the **Delete** button.

To delete Operations:

1. Select **Data Mgmt.** from the top menu.
2. Select **Delete Data.**
3. Check-mark the operations you wish to delete.
4. Select **Delete Checked Items.**

## Deleting Fields

To delete a Client, Farm, or Field:

**Note: This will delete ALL saved data for the selected client, farm, or field and remove the client, farm, or field and all associated data from any SyncNow Relationship.**

1. Select **Setup** from the top menu.
2. Select **Field Management Setup.**
3. Select **Edit/Delete Fields.**
4. Select the **Client, Farm, or Field** you wish to delete.
5. Choose the **Delete Selected Item** button.

## Deleting Imagery

To delete imagery:

1. Select **Setup** from the top menu.
2. Select **Basedata.**
3. Select **Manage Images** tab.
4. Select the Client, Farm, Field, and **image** you wish to delete.
5. Select the **Delete Checked Items** button.

## Renaming a Client, Farm, or Field.

To rename a Client, Farm, or Field:

1. Select **Setup** from the top menu.
2. Select **Field Management Setup.**
3. Select **Edit/Delete Fields.**
4. **Select the Client, Farm, or Field** you wish to rename.
5. Choose the **Rename** button.
6. Type in new name and select **Enter.**

### **Moving Farms and Fields**

To move a field to another farm, or to move a farm to a different client:

1. Select **Setup** from the top menu.
2. Select **Field Management Setup**.
3. Select **Move Farms/Field**.
4. Select the **Client/Farm/Field** you wish to move.
5. Select the **Client/Farm/Field** you wish to move your previous selection to.
6. Click the **Move** button.

## Chapter 5: Creating Crop Plans and Cost Groups

The Plans section is only available in SST Summit Plus or SST Summit Professional. The Plans section allows you to create and spatially apply plans to a farm or individual fields in order to compare various crop input scenarios. These scenarios can then be converted into recommendations and/or actual records.

### To Create a Crop Plan:

1. Select **Plans** from the top menu.
2. Select **Create and Manage Plans**.
3. Select an **Operation** and select the **Add** button at the bottom of the screen.
4. **Fill out** the pick list and select **Save**.
5. **Repeat steps 3 and 4 for each operation you wish to add to the Current Plan.**
6. When finished filling out the operations, **close the pick list**.
7. **Select an operation** and **click the right arrow** in the middle of the screen to add that operation to the Current Plan.
8. **Repeat Step 7 for each operation you wish to add to the Current Plan.**
9. When the Current Plan is complete, click **Save** and assign a name that identifies the plan.
10. Select **Done**.

### To Apply Plans to Fields (Creating Scenarios):

1. Select **Plans** from the top menu.
2. Select **View/Apply Plans**.
3. On the right side of the screen, **select the Client, Farm, or Field** to which you will apply a plan.
4. On the bottom left of the screen, **select the Plan** you wish to apply.
5. **Click on the fields or management zones** to apply the plan.
6. The fields or zones will be highlighted and the Applied Plan will be listed on the top left of the screen. These will be color-coded according to the plan used.
7. When finished, select **Save** at the bottom left of the screen.
8. **Enter a name** for the Scenario.
9. If you intend to associate costs with the scenario, select the **Season**.
10. Select a **Cost Group** from the following drop-down lists.
11. When finished, select **Save** and **OK**.

### Creating Cost Groups

Cost groups allow you to compare input costs across an entire farming operation or within just one field. Cost groups can be categorized in several ways, 1) based on a time/date of payment, 2) based upon different retail locations regarding product costs, and 3) based upon what can be saved if paid in pre-season vs. in-season price lists.

1. Select **Setup** from the top menu.
2. Select **Input Cost Setup**.
3. You can assign costs under the following 4 tabs: Inputs, Operational, Fixed, and Service.
4. The **Inputs** tab is selected by default.
5. Select the **Crop Season**.
6. In the Cost Group list, select **New**.
7. Enter a descriptive **Name** and click **OK**.
8. **Select the appropriate category tab.**
9. Any products that appear in red text need costs associated with them.
10. Click **Edit** and fill out the needed information.
11. When finished, click the **Add Item** button and **Close**.
12. When you are finished assigning costs, click **Save** and **Done** at the bottom of the screen.

### To Create a Planning Report:

1. Select **Reports** from the top menu.
2. Select **Planning Reports**.
3. Select the **Client, Farm, or Field** you wish to report.
4. Select a **Scenario**.
5. Select the **Type of Report** you wish to create.
6. Select the **Preview** button.
7. An Adobe PDF report will open. Click the **Save** button to save it to your hard drive. Click the **Print** button to print a copy.

### Converting a Scenario to a Recommendation

A Scenario can be converted to a Recommendation and sent to another SST Summit or to SST Stratus.

1. Select **Plans/View Apply Plans**.
2. Select the **Scenario** to be converted to a recommendation.
3. Click the **Convert button** in the lower-left corner of the view.
4. Complete all the needed information regarding **Crop Season, Fulfill Dates** and any **Notes** that may need to be filled out.
5. Click the **OK** button to finish this process.

### **Converting a Recommendation to an Operation**

Once fulfilled, a Recommendation can be converted to a Saved Operation.

1. Navigate to the **Records** view.
2. **Open** to the field to work with.
3. **Click** the **Open** button and select the Recommendation to convert to a Record.
4. **Choose** from the options given as is appropriate.
5. **Click** the **Save** button to finish this process.

## Chapter 6: Record Keeping in SST Summit

### Recording An Operation in SST Summit

1. Select **Records** from the top menu.
2. Choose the **Edit** button on left side of the screen.
3. **Uncheck any operations** you will not collect data for.  
**Note: you will only need to do this one time. You can modify this list as needed.**
4. Click the **Save** button.
5. On the right side of the screen, select the appropriate **Client/Farm/Field**.
6. On the left side of the screen, choose the **Operation** you will be recording.
7. **Select the field or part of the field** you wish to assign data to.
8. **Fill out the drop-down lists** for the selected operation.
9. **Note: The first time you use the Records section you must select Manage Pick-List for each drop down item. Simply select the most commonly used inputs, rates, etc. The pick lists can always be modified.**
10. When finished recording an operation, click the **Save** button at the bottom left of the screen.
11. Fill out the **Season, Event Date, Name**, and any notes.
12. Click the **Save** button.

### Creating a Recommendation

1. Select **Records** from the top menu.
2. On the right side of the screen, select the appropriate **Client/Farm/Field**.
3. On the left side of the screen, choose the **Operation** you will be recording.
4. **Select the field or part of the field** you wish to assign data to.
5. **Fill out the drop-down lists** for the selected operation.
6. When finished, click the **Save** button.
7. Place a check mark next to **Save as recommendation**.
8. Fill out the **Season, Name, Recommended Dates** and any notes.
9. Click the **Save** button.

### Converting a Recommendation to a Saved Operation

1. Select **Records** from the top menu.
2. At the bottom left of the screen, select **Open**.
3. **Choose a recommendation** from the list and click **Open**.
4. If changes are necessary, select them from the drop down lists and click **Save**.
5. A dialogue box opens. You can choose to **Fulfill, Save as New** or **Skip**.

- Choose **Fulfill** to convert the recommendation to a saved operation (a record of what was done on the field).
- Choose **Save as New** if you made changes and wish to save it as a new recommendation.
- Choose **Skip** if you don't want to save the recommendation.

### **Reference Database Request Form**

SST Software personnel manage all the reference database items used in SST Summit and SST Stratus. In order to share data between multiple programs, the collected data must be in a standardized format. Although tremendous effort is spent keeping the reference database up to date, there may be instances where data items you need are not available for selection. If this is the case, please submit a request to us and we will add the items in the next SST Summit update.

To Submit a Reference Database Request (must be connected to the Internet):

1. Select **Home** from the top menu.
2. Select **Updates** on the left side of the screen.
3. Select **Reference Data Request**.
4. Fill out the required **contact information** form.
5. In the text box, **write a request** for Hybrids/Varieties, Herbicide, Insecticides, Fungicides, Weeds, Insects, Diseases, Tractor Models, etc. you wish to be available in the pick lists. Please mention the specific item that is needed and include any additional information that might assist SST Software personnel with the research and entry process. Examples include crop type, pesticide type, product registrant, registration number, manufacturer website, manufacturer phone number, etc.

## Chapter 7: Working in the Maps Section

The Maps section is used for viewing all the data layers you have collected on a given client, farm, or field. For FarmRite users, it is also used for creating and editing Product Recommendations.

### Viewing Data

#### View Layers in Maps Section

1. Select **Maps** from the top menu.
2. Select the **Client/Farm/Field** you wish to view. Available data layers appear on the left.
3. **Check** on a layer you wish to view.
4. **Double-click** on the layer to open the Legend Editor. The Legend Editor allows you to change color and legend settings.
5. Create a PDF report by selecting the **Print Report** button on the toolbar.

#### Working with Panels

- In the Maps section, you can minimize and maximize the panels by clicking on each panel's push-pin button.
- You can also drag the panels left or right to maximize the center map.
- At any time you can select the Undo button (green circular arrow button) to return to the default settings.

#### Maps Section Tools

- The various tools in the toolbar allow for zooming in, zooming out, zooming all, panning, measuring distances, creating a quick report, creating management zones, creating a field-specific image, exporting the view to Google Earth, creating Road Maps, creating driving directions, and a Display Value feature that lets you click anywhere on the map to see the specific value at that point.

#### Right-Mouse Click Options

- By right-mouse clicking on any layer you will be presented with a list of options to perform on that layer.

#### Right-Mouse Click Options on Yield Data

- Right-mouse clicking on a yield layer allows you to adjust yield, modify the time stamp for calculating the yield, or revert to the original files.

#### Layers Button

- In the top-left corner is the Layers button, this gives the user a selection on different options to be performed on all the layers.

#### Merge Tool

- Under Edit Data is an option to Merge Data, use this if you have multiple layers of the same data type such as soil test points, EC data, or nutrient recommendations. This tool will delete the old individual layers and merge them into 1 new merged layer. This layer can then be used to import soil test results into, place orders, or create a recommendation file.

#### Create/Edit Product Recommendations

- Refer to FarmRite Chapter.

## Chapter 8: Creating Reports

### Creating Record Reports

1. Select **Reports** from the top menu.
2. Select the **Record Reports** option.
3. On the left of the screen, choose the **Client/Farm/Field**.
4. On the right side, choose one or more operations to report.
5. You can narrow your search by season, date and the type of report you wish to create. You can choose Applications, Recommendations or Both.
6. Select the **Preview** button to generate the report.
7. **Save** the report to your hard drive.
8. **Note: You can change the color, logo, and image settings under Reports/Settings.**

### Creating Planning Reports

1. Select **Reports** from the top menu.
2. Select the **Planning Reports** option.
3. Choose the **Client/Farm/Field** and the **Scenario** you wish to report.
4. On the right side, select the **type of report** you wish to create.
5. To change settings, click the **Selected Report Settings** button.
6. Select the **Preview** button to open a pdf of the report.

### Creating FarmRite Reports

- See Chapter 9: FarmRite – On-Demand Processing Service

### Report Examples

#### Harvest Reports

1. Select **Reports** from the top menu.
2. Select the **Record Reports** option.
3. On the left of the screen, choose the **Client/Farm/Field** you wish to create a report for.
4. On the right side, select **Harvest Reports** and select **Yield**.
5. Make selections and select the **Preview** button.

#### Insecticide Reports

1. Select **Reports** from the top menu.
2. Select the **Record Reports** option.
3. On the left of the screen, choose the **Client/Farm/Field** you wish to create a report for.
4. On the right side, select **Pesticide Reports** and select **Insecticide**.

5. Make selections and select the **Preview** button.

#### Cost Analysis Reports

These reports allow you to calculate input costs for a field.

1. Select **Reports** from the top menu.
2. Select the **Record Reports** option.
3. On the left of the screen, choose the **Client/Farm/Field** you wish to create a report for.
4. On the right side, select **Cost**.
5. Make selections and select the **Preview** button.

## Chapter 9: FarmRite - On-Demand Processing Service

FarmRite is a sophisticated web-based data management and processing service only available to SST Summit Professional users. FarmRite is ideal for major input supply companies that want to offer new decision-support services to their customers and partner-companies. It is a fully customizable service that allows you to define the agronomic equations, company logos, and map settings you want to use for your information product offerings (such as variable rate fertility recommendations, yield mapping and analyses, etc.). Orders are then placed, processed, securely backed-up, and delivered to you in a matter of minutes.

### Setting Up A FarmRite Account

- If you are a FarmRite customer and have not yet received permissions, please contact your FarmRite account administrator or SST Software's FarmRite Operations Manager.
- **Note: you must create a SyncNow Account before using FarmRite.**

### Placing FarmRite Orders

1. Select **FarmRite** from the top menu.
2. Select **Place New Orders**.
3. Select the **Crop Season** and enter an **Order Name**.
4. Select the appropriate **Client/Farm/Field**.
5. Select the **Tasks** you wish to complete on this field/s and select **Next**.
6. If necessary, choose the correct management zone to use.
7. If this is a whole field recommendation click **Next**.
8. Fill out all the **Parameters**.
9. Click **Next**.
10. Continue this for each task until all are complete.
11. Click the **Place Order** option.
12. Choose whether to print the details or not and continue.
13. Choose whether to place another order.
14. To follow the progress of your order, select **Dashboard/Display Live Order Tracking**.
15. Click the **SyncNow** button to download the processed data.
16. To view the processed data (information products), select **Maps** from the top menu.
17. Select the appropriate **Field**. The data layers will be available on the left of the screen.

### Resolving Delayed Orders

1. Select **FarmRite** from the top menu.
2. Select **Manage Orders**.
3. In the **Order Num:** drop down list, select the **delayed order number**.
4. Click the **delayed field** (highlighted in red) and then click the **delayed task** (highlighted in red).
5. Select **Preview Tasks** or **Cancel Tasks**. Preview Tasks will open a screen that allows you to resolve the problem. If Duplicate Data is found, you can commit an operation to use for that task. You will have to do this for each delayed task. You may have to reorder or contact SST Customer Service for other delayed messages.
  - **No Source Data** means the task is missing needed data (soil test results, yield, ec data, etc.).
  - **Duplicate Data** means there is more than one set of data to use. You will need to select and commit the appropriate layer and place a new order.
  - **An error occurred with the field boundary** – please edit in the digitizer screen and reorder.
  - **Outside the processing range** means the task cannot be completed because the field is smaller than one acre or larger than 850 acres.

### Setting up Default Products

You can choose to set up default fertility product recommendations so that when nutrient recommendations are received via SyncNow, your default product recs are automatically created.

1. Select **Setup** from the top menu.
2. Select **Product Setup** and select the **Default Products** tab at the top.
3. Select the **Nutrient** to be addressed
4. Place a check mark in the “Auto create Product Recommendations” box and fill out all the needed inputs regarding Product, % product, units, Application charge, etc. that you will use to satisfy each nutrient recommendation.
5. Click the **Save** button when completed.
6. Continue these steps for all applicable nutrients.

### **Creating and Editing Recommendations**

1. Select **Maps** from the top menu.
2. **Click** on the appropriate layer to make it active. (The layer will have a gray background when it is active.)
3. Select **Edit Data** at the top of the Layers panel.
4. Select **Product Recommendations/Create/Edit**.
5. Adjust the various options (Commercial or Custom and the product you wish to apply, as well as the units.) as needed and select **Save**.
6. A new product recommendation layer will be created and can be viewed when you close the SST Summit Product Recommendation Editor window.

### **Creating Recommendation Controller Files**

1. Select **Data Mgmt.** from the top menu.
2. Select **Export Data** and select the **Export Recommendations** tab at the top.
3. Choose the **Controller Software** and the **Controller** to be used.
4. Click the **Next** button.
5. **Choose the appropriate Recommendations** to export and select **Next**.
6. **Fill out the information** needed for a specific controller.
7. **Browse** to the location on your computer you wish to save the file.
8. **Copy** the file/s to a memory card for use in the controller system.

### **Creating FarmRite Reports (Mapbooks)**

1. Select **Reports** from the top menu.
2. Choose **FarmRite Reports**.
3. Select the appropriate **Client, Farm, Field**.
4. Select an available **Mapbook**. (If you do not have mapbooks available, contact your FarmRite administrator.)
5. Select the **Settings** button to choose the folder structure you wish to use.
6. You have the option to filter reports by date and season.
7. Click the **Map** button.
8. A window will pop up after mapping is complete with results of success or failure.
9. **Double-click** a map to open a pdf or **right-click** a map to navigate to the location of the pdf on your hard drive.

## Chapter 10: Working with SST Stratus

SST Stratus is a software program that runs on a Windows mobile device and is used with a GPS receiver to collect data while in the field.

### Loading SST Stratus from SST Summit

See Chapter 1 for SST Stratus installation instructions. Once SST Stratus is installed and a relationship has been established, you are ready to load SST Stratus with field boundaries and data.

1. Connect your hand-held computer to your PC.
2. In SST Summit, select the **SST Stratus** button from the top menu.
3. Select **Load SST Stratus**.
4. Follow the directions to pick the sets of data you want to load into SST Stratus and select **Next**.
5. Select the fields, data, operations, etc. you want to load into Stratus and select **Next**.
6. Select **Start Transfer**.

### About SST Stratus Relationships

Each SST Summit can have multiple SST Stratus relationships, but an SST Stratus can only have a relationship with one SST Summit. If you wish to have SST Stratus synchronize with two SST Summits, you can create a SyncNow relationship between the two SST Summits and synchronize all data to your SST Stratus.

### Collecting a New Field Boundary with GPS

1. Open SST Stratus
2. Select **Tools / Collect/Edit Field Boundaries**
3. Select **Create New Field**
4. Tap the **Satellite Icon**. The button will turn yellow when the GPS signal is acquired. It will turn green when WAAS signal is acquired.
5. Tap the **Play button** (green triangle) and begin driving or walking the field boundary.
6. Tap the **Stop button** when finished.
7. Choose **File/Save** and name the **Client/Farm/Field**.

### Editing an Existing Boundary

1. Open **SST Stratus**.
2. Option 1: If you are within the field boundary and are using a GPS receiver, you can use the **GPS Select Field** option to automatically find and open the field.

3. Option 2: Select the **Client, Farm, and Field** you wish to edit.
4. Select **Tools / Collect/Edit Field Boundaries**.
5. Choose **Edit Selected Boundary**. The field boundary will appear and the GPS button will be active. In order to edit a boundary you must use a GPS receiver.
6. Drive inside the field and tap the **Play** button (green triangle) and drive outside the boundary encompassing the area you wish to add to the existing boundary.
7. Drive back into the existing boundary then tap the **Stop** button.
8. Use the **Select** tool to select both polygons and tap **Tools / Union Selected Polygons**.
9. Choose **File / Save...** to save the new field boundary.

### Replacing an Existing Boundary

1. Open **SST Stratus**.
2. Option 1: If you are within the field boundary and are using a GPS receiver, you can use the **GPS Select Field** option to automatically find and open the field.
3. Option 2: Select the **Client, Farm, and Field** you wish to edit.
4. Select **Tools / Collect/Edit Field Boundaries**
5. Choose **Edit Selected Boundary**. The field boundary will appear and the GPS button will be active. In order to replace a boundary you must use a GPS receiver.
6. Choose the **Select** tool (arrow) and **tap the polygon** you wish to replace.
7. Select **Clear / Selected Polygon** to delete the polygon.
8. If GPS is not already on, tap the **Satellite Icon**. The button will turn yellow when the GPS signal is acquired. It will turn green when WAAS signal is acquired.
9. Tap the **Play button** (green triangle) and begin driving or walking the field boundary.
10. Tap the **Stop button** when finished.
11. Choose **File/Save** and name the **Client/Farm/Field**.

### Creating a Management Zone

In SST Stratus, management zones are created using the split tools.

1. Open **SST Stratus**.
2. Select the **Client/Farm/Field**.
3. Select the **Map** tab.
4. Choose **Tools/Create Management Zone**
5. To split a section of a field, select the **Split** tool and tap to draw a line across a boundary. Select the **Split** tool again to make the split.

6. To create an interior split, select the **Interior Polygon** tool. Draw a polygon inside the field boundary and select the **Interior Polygon** tool again to complete it.
7. Select **File/Save** and **name the management zone**.

#### **Recording Operations (Collecting Records)**

1. Open SST Stratus
2. Choose the appropriate **Client/Farm/Field** and **Operation**.
3. Tap the **Map** tab.
4. Choose the appropriate data type such as Polygon, Path, or Line.
5. If you are recording data on a whole field, simply fill out the **Operation** tab with the correct input information.
6. If the field must be split into management zones, use the **Split** tool to divide your field into management zones.
7. Tap the appropriate management zone and fill out the **Operation** tab with the correct input information.
8. When completed, choose **File/Save**.

#### **Recording a Grid Soil Sampling Operation**

1. Open SST Stratus.
2. Select the **Client, Farm, Field,** and **Soil Sampling** Operation.
3. Tap the **Map** tab. The “Choose a Feature Class” dialogue box appears.
4. Select **Point**.
5. Select **Tools** and choose an option to lay a grid on the field or simply begin logging points with your GPS.
6. Fill out the table for the Id number, the Sampling Depth, and the Sampling Depth Units.
7. Click the Point tool, (the finger tool) and begin sampling the field.
8. When finished, choose File/Save and fill out with the pertinent information regarding season and name.

#### **Importing Data from SST Stratus back into SST Summit**

1. Connect your hand-held computer to your PC.
2. In SST Summit, select **SST Stratus** from the top menu.
3. Select **Synchronize Changes with SST Stratus**.
4. Select the **Import SST Stratus Data** button.

#### **Setting up the COM Port for your GPS Receiver**

1. Choose **GPS/GPS Settings**
2. Select the **COM** tab
3. Choose the correct Port, Baud Rate, etc. in this view.

**Auto Log**

- To change the Auto Log setting choose **GPS/GPS Settings/Auto Log**.

**Offsets**

You can offset the GPS to the left, right, front, or back of the GPS receiver in order to more accurately collect information.

- To change the Offsets choose **GPS/GPS Settings/Offsets**.