

PFadvantage – QUICK REFERENCE SHEET for Site Verification Mode – November 2002

Navigation	
1	Press the MENU key until OPTIONS is displayed and press OPTIONS key.
2	Press NAVIGATE key.
If you are using a grid file...	
3	Press the ACCEPT key to view grid files on your memory card.
4	Use the UP or DOWN ARROW key to scroll to the file you require and press ACCEPT key to display map.
5	The grid points appear one at a time. Grid point 1 is the first point shown. You can navigate to grid points in order or select any grid point at any time by pressing the UP or DOWN ARROW keys.
6	Use DISTANCE and STEER information to guide yourself to the grid point. When the distance gets to zero or near zero, you have navigated to the point.
7	When you have completed navigating to each of the desired points, press NAV OFF key to return to main screen.
8	When you have completed navigating to each of the desired points, press NAV OFF key to return to main screen.
If you are manually inputting a target point...	
3	Press the Up or DOWN ARROW keys to display LAT and LON.
4	Press the key to the right of line displaying LAT. Use the UP/DOWN and LEFT/RIGHT ARROW keys to input the latitude and press ACCEPT key.
5	Press the key to the right of line displaying LON. Use the UP/DOWN and LEFT/RIGHT ARROW keys to input the longitude and press ACCEPT key.
6	Press the ACCEPT key again to display map.
7	Use DISTANCE and STEER information to guide yourself to the grid point. When the distance gets to zero or near zero, you have navigated to the point.
8	Press the TARGET key and repeat Steps 3 through 7 to navigate to the next point.
9	When you have completed navigating to each of the desired points, press NAV OFF key to return to main screen.

Creating a Field Boundary	
1	Press the MENU key until OPTIONS is displayed and press OPTIONS key.
2	Press the BOUNDARY key.
3	Press the EDIT key and change fields then press ACCEPT key.
4	Press CREATE BOUNDARY key.
5	Position vehicle at a starting point on the outside edge of the field. Press the START BOUNDARY key and drive the boundary of the field. Use the PAUSE/CONTINUE feature to drive around an obstacle (for example a wet spot).
6	When you have completed driving the boundary of the field, press the STOP BOUNDARY key. Then press SAVE BOUNDARY key. Note: Drive back to the starting point before pressing STOP BOUNDARY. If you do not, the area calculated for the field may be inaccurate.

Creating a Grid for a field	
Note: Must have field boundary for field before you can grid field.	
1	Press MENU key until OPTIONS is displayed and press OPTIONS key.
2	Press the lower LEFT or RIGHT ARROW key until GRID is displayed and press GRID key.
3	Press the UP or DOWN ARROW key to scroll to the field you want to grid and press the ACCEPT key.
4	Press the UP or DOWN ARROW keys to change the Grid Spacing and Grid Area.
5	Press the CREATE GRID key.
6	If you want to change the grid spacing or grid area, use arrow keys and press RECREATE GRID key. If you want to move the existing grid points, press SHIFT GRID and use arrow keys.
7	Press the SAVE GRID key to save the information.

IMPORTANT: If you come back to boundary or grid screen to review information, DO NOT SAVE BOUNDARY OR GRID AGAIN. If you do, you will loose ALL information for this field.

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Definition: Site Verification is logging where a field operation was performed for the purpose of making a map. The PF logs the GPS points (and counts area if PF has ground speed) of where the vehicle was driven.

1	<p>Press the SETUP key. Press the SWATH key. Select the appropriate site type.</p> <ul style="list-style-type: none"> • Press the EDIT SPACING key and set the spacing equal to the row spacing. If you have non-rowed crops, set the row spacing equal to 12 inches. • Press the EDIT # ROWS key and set this setting equal to the total number of rows. If you have non-rowed crops, set the number of rows so that the full swath will equal the swath of your equipment. <p>Note: If you do not want to record area, you do not need to set the swath.</p>
2	<p>Press the SETUP key. Press the CARD key. Set the following:</p> <p>Log Device: <i>Memory Card</i></p> <p>Logging Interval: Recommended setting is 2 or 3 secs.</p> <p>Log File: Create a new log file.</p>
3	<p>Press the SETUP key. Press the VEHICLE key. Choose the appropriate vehicle and press EDIT SETTINGS key. Set the following:</p> <p>Note: If you do not want to record area, you do not need to get ground speed or set the ground speed settings in this screen.</p> <p>Primary Speed Sensor: Set to WHEEL, TRACK, RADAR or GPS (Must have Ag Leader or Trimble brand GPS receiver to get accurate ground speed from GPS)</p> <p>Secondary Speed Sensor: If Primary speed setting was GPS then set this to your backup speed sensor. If primary speed setting was not GPS, ignore setting.</p> <p>Speed sensor pulses/100ft: Ignore setting.</p> <p>Area count stop beeps: Set to 20 beeps</p> <p>Area count: Set to <i>STANDARD</i>. If your automatic area count switch (like Implement Switch or Boom Tee Cable) is turning the area off when it should be on, set to <i>REVERSED</i> instead of reversing the polarity of the switch.</p> <p>Stop height: Set to 8.</p> <p>Press the EXIT key and the ACCEPT VEHICLE key.</p>

4	<p>Press the FIELD key and create and name all your fields. Set each field to the correct site type. To set the site type press the key to the right of the line displaying the site type.</p>
5	<p>Press the LOAD key and create and name your loads for each field. Name your load the name of the item you want to record. Example: If you are planting and want to log where you planted each hybrid then name each load with a hybrid name.</p>
6.	<p>If you are getting ground speed from WHEELS, TRACK, or RADAR sensor or if any of these are the secondary speed sensor you must perform a distance calibration for the sensor. Press the CAL key and perform the calibration.</p>

How to do Site Verification

When driving the field, set the PF on the load that is named the item that you want to record.

Example: Set to “Load1: HybridA” when planting Hybrid A. When you start planting Hybrid B change the PF to “Load2: HybridB”

The PF starts logging data to the card when area counting is turned on (“AREA ON” appears in lower right of display). When area counting is turned off the PF stops logging data (“AREA OFF” appears in lower right of display). Ground speed and the actual accumulation of area in the load is not required to start logging.

An Implement Switch can be used to automatically turn on and off area counting when the implement is raised or lowered. A Boom Tee Cable can also be used to automatically turn on and off area counting. Connect it to a 5-12 volt signal that goes on and off when you want area counting to go on and off. You can also manually turn on and off area counting by using the area count switch in the lower right of the PF.

Your site verification map will display all the logged points or passes. Each load in the field will have one color on the map. The legend of the site verification map will be the loads.