



Prairie Geomatics Ltd

Prairie Geomatics Ltd. Box 141 Minnedosa MB R0J 1E0
Ph. 204-867-5725 Toll free: 1-888-444-0302 fax: 204-867-5722
Email: sales@gpszone.ca

--- DATA SHEET ---

Field Acreage Calculation Method for GPSMAP 76Cx/CSx & 60Cx/CSx

First of all, in general, as you drive or walk around the field perimeter, your gps records a trail of points called a 'tracklog'. You then take this trail (the 'active tracklog') and save it as a 'saved tracklog'. Area and perimeter length are displayed on the GPS screen as attributes of each saved track.

We recommend you setup the following before beginning the area calculation:

Disable the lock to road feature:

-On Map page press menu, select Setup Map, tab along the options on the top of the GPS screen (the lock to roads feature is under the General option)

Set the map orientation to North UP

-Go to the main menu page, press MENU twice. Select Setup, then select Map. Tab along the options on the top of the GPS screen (the Orientation choice is under the General option).

Area Calculation – Exact Steps:

-drive to field and stop somewhere along the outside of the field

-turn on gps, wait for it to get initialized

Setup the track log by doing the following:

- from the main menu page (press the menu button twice to get to the main menu) highlight tracks (using up or down rocker key) and press enter
- highlight SETUP press enter. Make sure 'recording' is set to wrap when full; 'record method' set to auto and interval to most often (use rocker up/down and enter key to do this)

-you can also set 'record method' to 'time' and enter 1 sec or 2 seconds as the logging interval

-Press QUIT to exit setup page. clear any leftover active tracklog by doing the following:

-highlight clear and hit enter; highlight yes and hit "enter"

-Make sure track log is turned on. Highlight track log ON and press enter

-From main menu select Tracks, press menu again. Highlight Area Calculation and press enter. Once you are ready to start walking or driving around the field press ENTER. You will see the field boundary being created as you drive; zoom in/out as needed (until the scalebar reads approximately 120 ft (not 120 miles))

-Drive around the field perimeter until you get back to your approximate starting point go back to your track page press menu you will see STOP at the bottom of the area calculation page press ENTER to stop end end recording of the track and get the area calculation.

-for best satellite reception hold the GPS unit in a vertical position, or use an external gps antenna

-the tracklog/field boundary will be created no matter what screen you are on, so you can use different screens such as the gps information page to check gps accuracy, etc.

-you could also change the 'name' from the date to something like 'field-3'

-repeat above for each interior exclusion area like a bluff or slough

-add up the exclusion area(s) with pencil and paper and subtract from the main field area to get the correct area for the field; you can't do this inside the gps unit