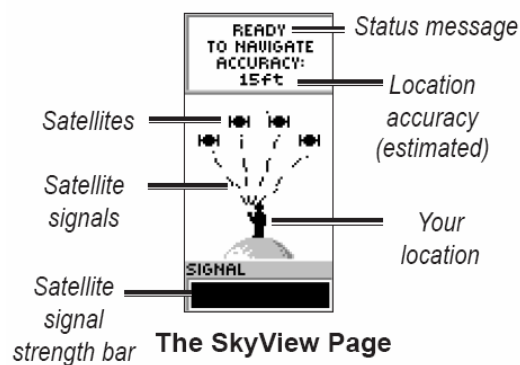


## 7. Using a GPS for field survey

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### Turning on the GPS and getting a satellite signal

1. At the field location. Switch on GPS unit by pressing the **Power** button
2. Wait for 2-3 minutes for the GPS to get a location fix using the satellites overhead.
3. Wait until the unit is **Ready to Navigate** – this means that it is receiving signals from at least 4 satellites. [*Note 1:*
  - *The first time you use a GPS in a completely new region it can take up to 5 minutes to receive satellite signals. After initial use, signal reception will be much faster – about a minute or less.*
  - *The more satellites you receive signals from the more accurate will be the location. So it is worth waiting a short time before recording a location. However, the maximum accuracy possible with these units is +/- 4 or 5 meters. Anything less than 10 meters is good enough.*



## Recording and storing a location in the field – “Marking a Waypoint”

There are two ways to do this:

### Option A: Via the Enter Key

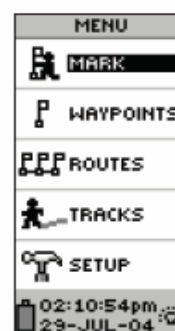
1. Press and hold the **Enter** key. This will make the **Mark Waypoint** page appear – showing a 3 digit waypoint number, latitude, longitude, elevation
2. Record the **Waypoint number**, **Latitude** (N or S), **Longitude** (E or W) and **elevation** data on the survey form
3. Select **OK**, and press **Enter** key to record and save the waypoint



Mark Waypoint Page

### Option B: Via the Main Menu

1. Press the **Page** key several times until the **Main Menu** appears.
2. Use **Up / Down** keys to select **Mark**
3. Press **Enter** key to open **Mark Waypoint** page
4. Record the **Waypoint number**, **Latitude** (N or S), **Longitude** (E or W) and **elevation** data on the survey form
5. Select **OK**, and press **Enter** key to record and save the waypoint



Menu

## Turning off the GPS

1. After recording the location (“Marking the Waypoint”), switch off GPS – press and hold **Power** key
2. Complete the *Wheat Rust Survey Form* and sampling
3. Move to next survey location