



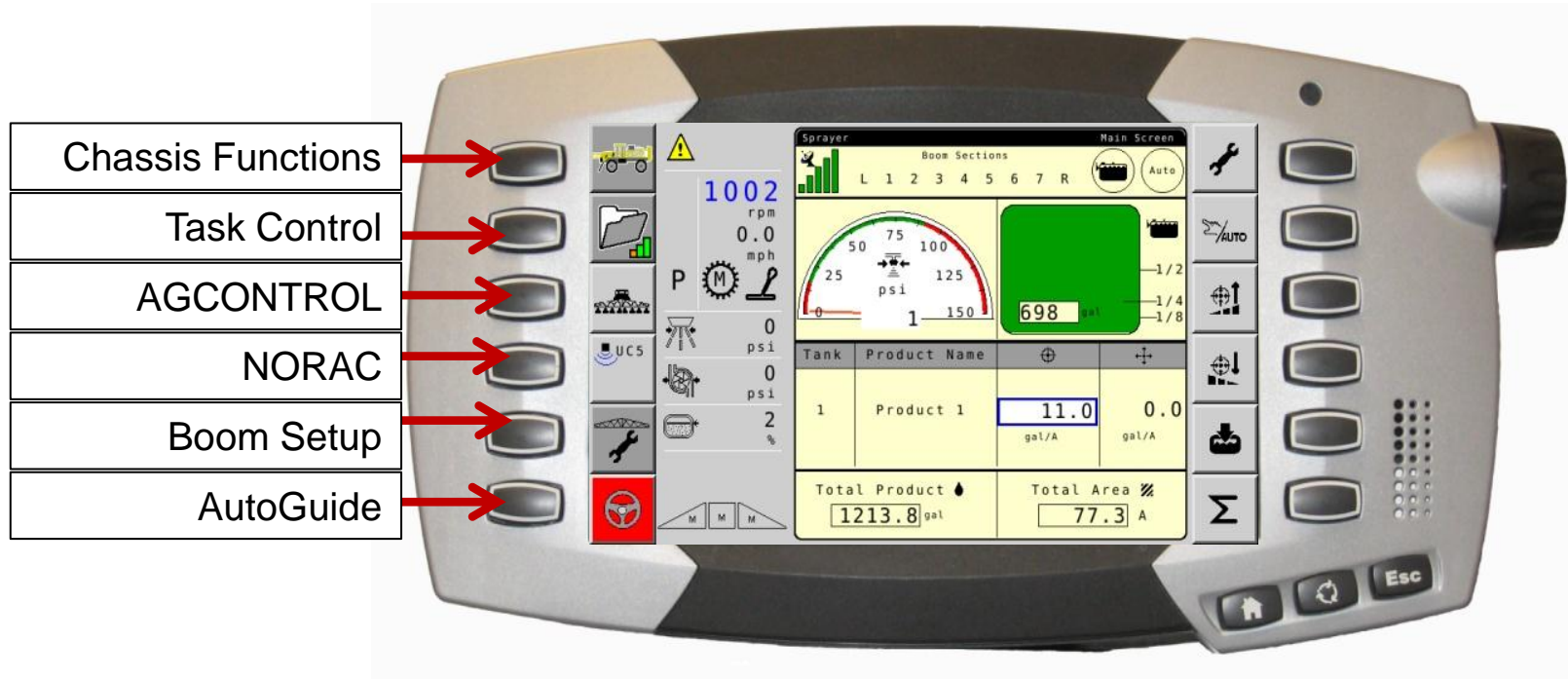
RG 700 AGCONTROL QUICK START GUIDE



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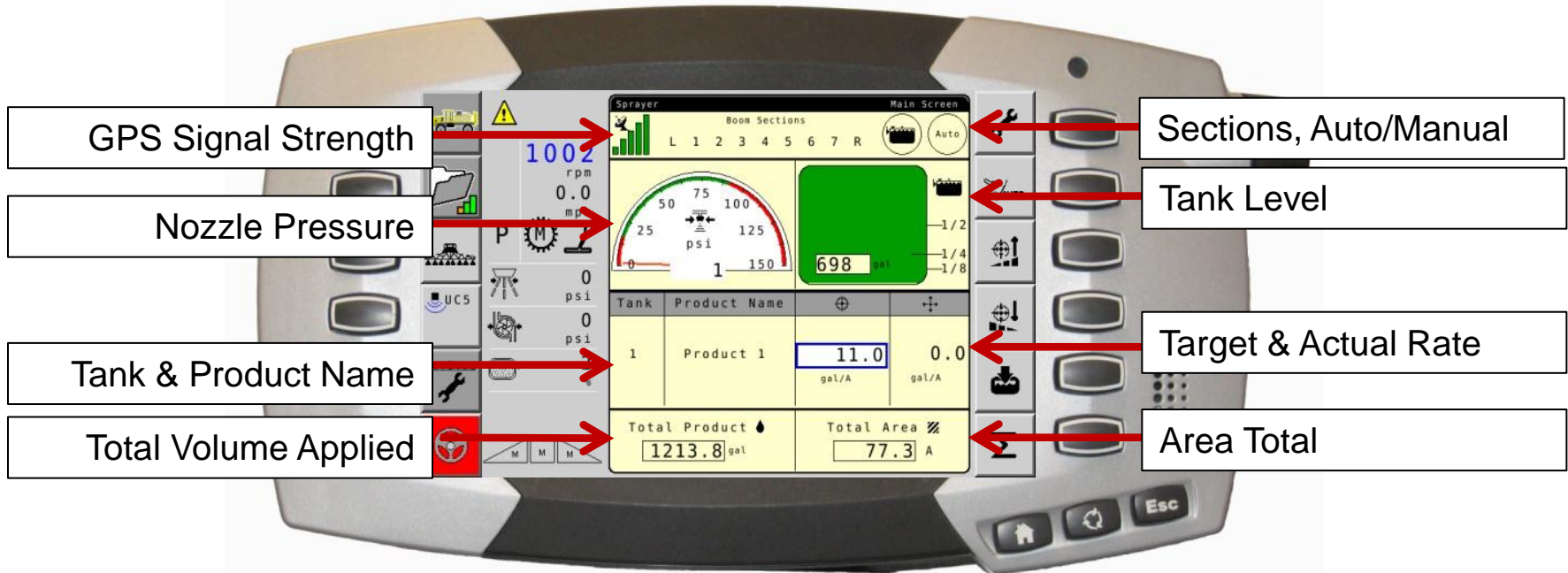
Main Run Screen



- Left icons allow command and monitoring of the most important functions of machine.
- Hard key buttons on left allow navigation of console to various functions.

Main Run Screen

- Access Main AGCONTROL Run Screen by pressing AGCONTROL hardkey  and home if needed .



- Sprayer application main screen monitors critical details of application.
- From this screen, you can change and accurately control rate application.

Main Run Screen



- Main Run Screen allows command and monitoring of most important functions of the sprayer.
- Hard key buttons on right will set up the application.

Rate Control Setup



- Values in white boxes can be edited.
- To change a parameter, use scroll wheel to select item (such as feedback), pushing in on the wheel, value can be changed, roll the scroll until desired parameter is met.
- Push in on scroll wheel to save.



Boom Set-Up

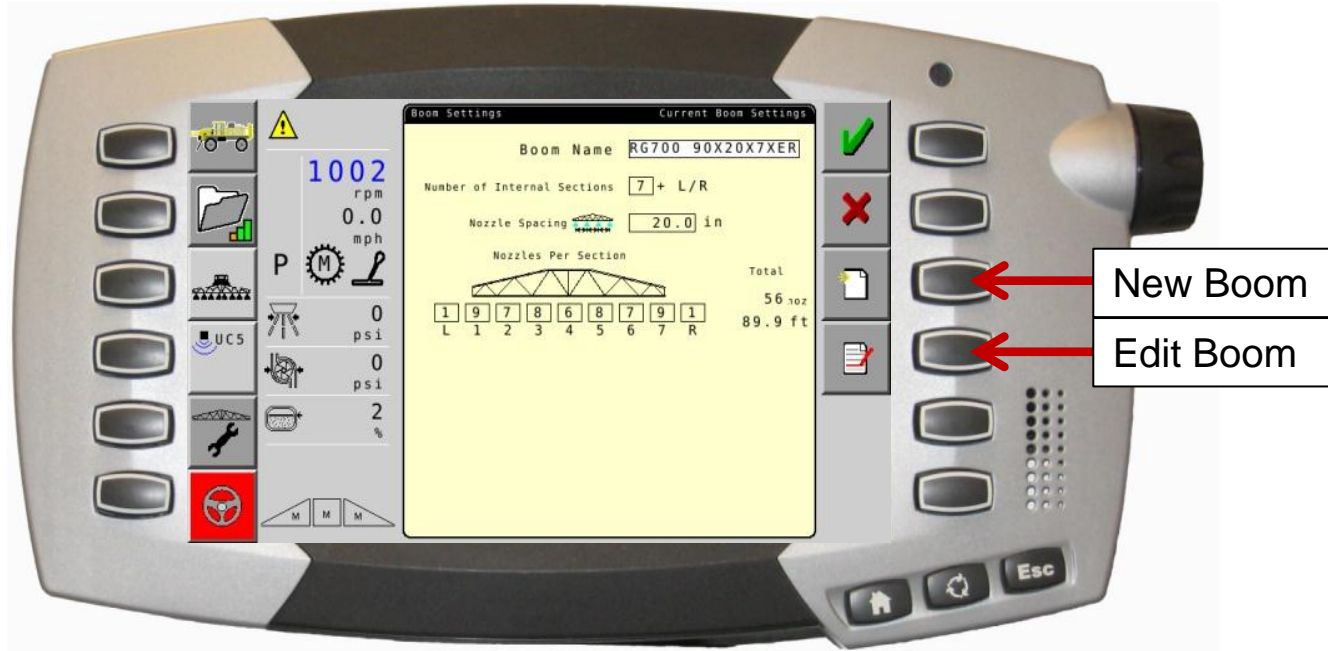
Boom Set-Up



- Select Boom Setup to display boom characteristics and active sections.

Boom Set-Up – Current Boom Settings

- Select current boom settings icon  to view or adjust boom settings.



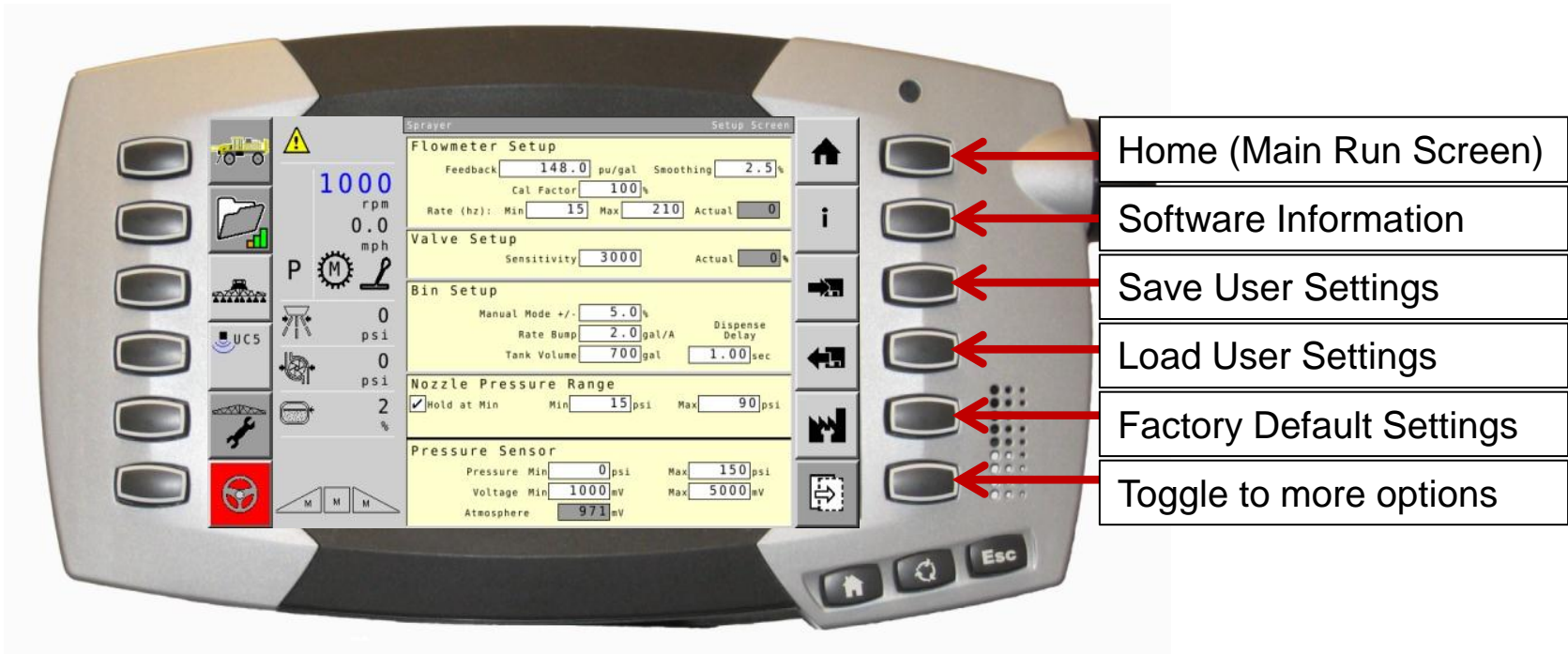
- Current Boom Setting page shows characteristics of the current boom.
- Information will be set up from factory and will not need to be changed.
- Choose bottom button to edit current boom or select “new” icon to add a new boom configuration.



AGCO Rate Control Settings

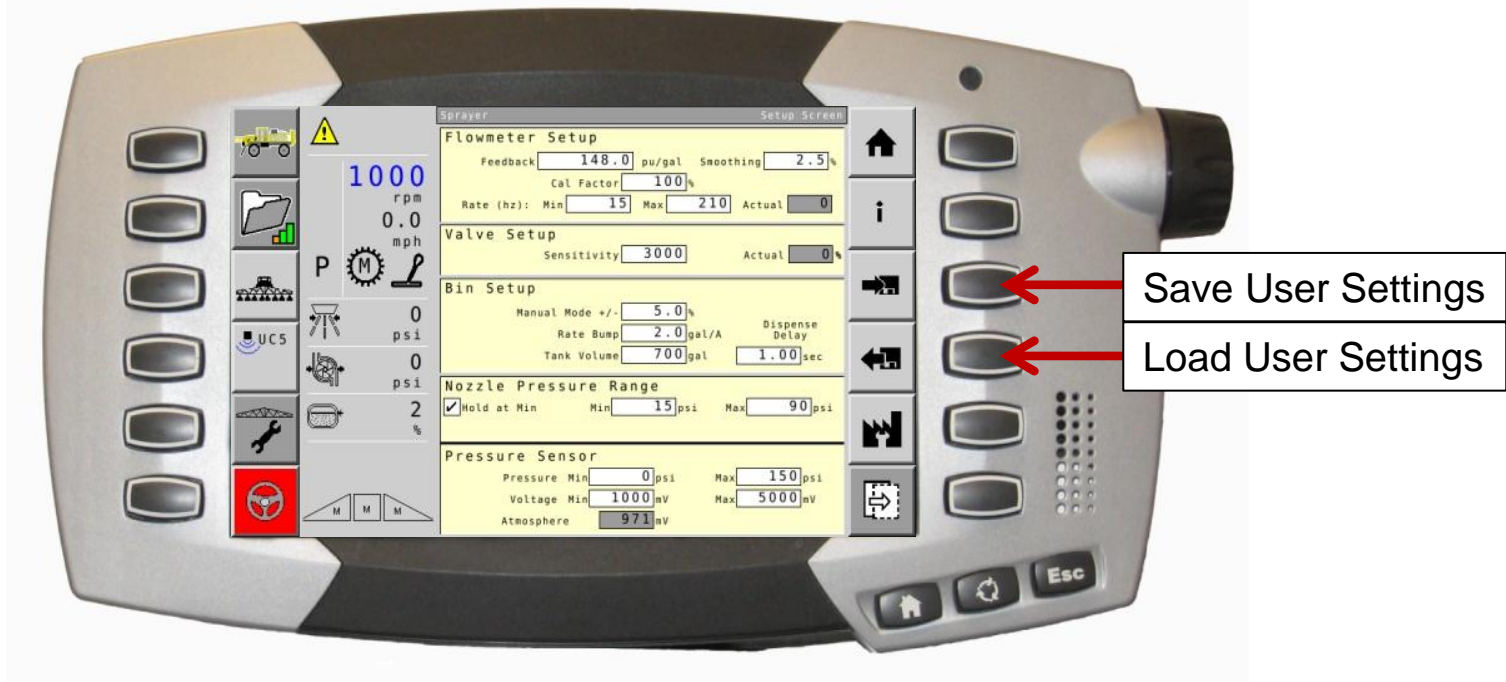
Rate Control Set-Up

- 1) Enter Set-up area from main AGCONTROL run screen , select wrench hardkey. 



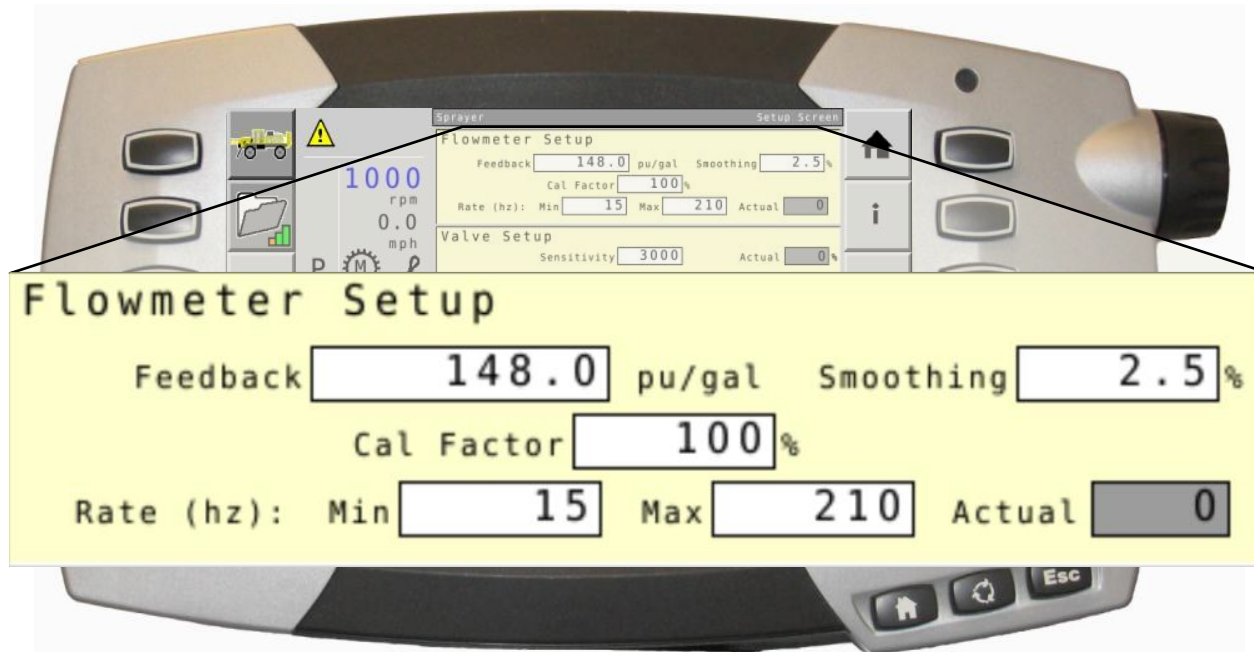
- Set-up screen allows operator to set and change sprayer parameters, check software information, load/save parameters, load factory default and move to another page of options.

Rate Control Set-Up - Save/Load



- Save User Defined Settings (for Power ON)
 - User must save settings to use any changes at next power on
 - Will not save multiple settings
- Load User Defined Settings (from Power ON)
 - Press this to load any former saved settings, these may be different than factory settings
 - Will only load last saved

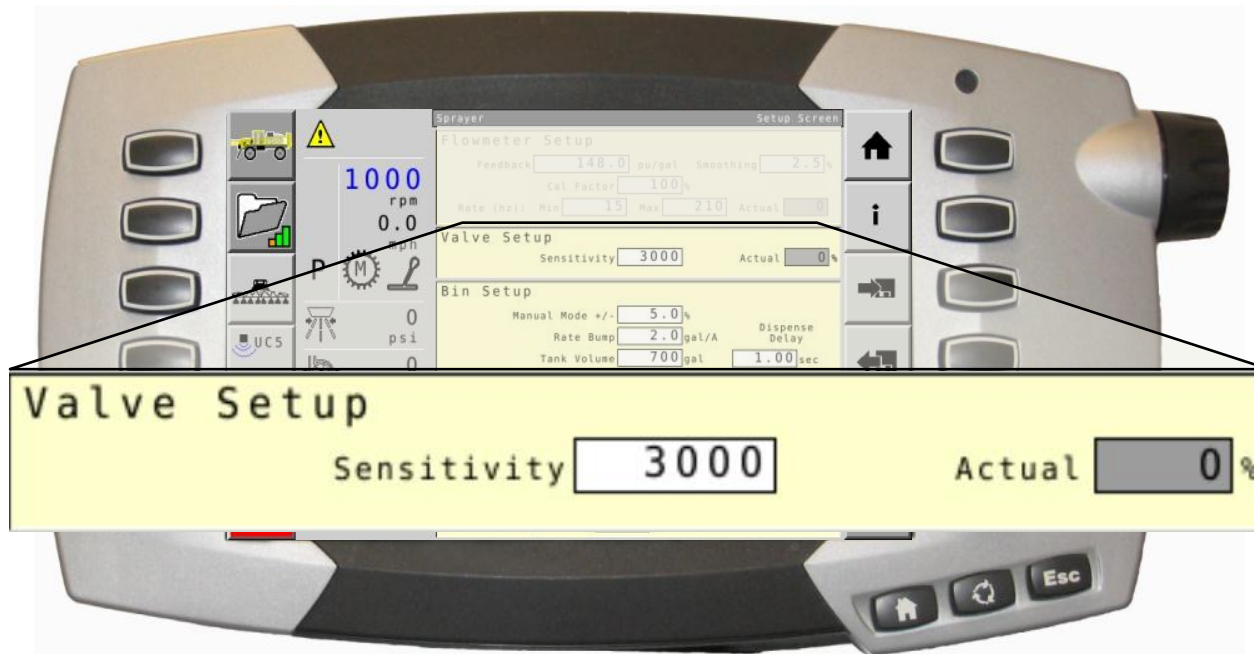
Rate Control Set-Up - Flowmeter



• Flowmeter Set-Up

- Set flowmeter feedback number
 - # on flowmeter tag reads **pulses/10 gal**, while controller needs **pulses/gal**.
MUST DIVIDE CAL BY 10 to get correct feedback number
- Cal Factor – set to 100% at new; can adjust if product starts to vary from rates
 - Ex. Rate 5% high, change cal factor to 95%
- Min and Max Hz range of control
- Actual feedback Hz
- Smoothing - Adjust displayed rate accuracy

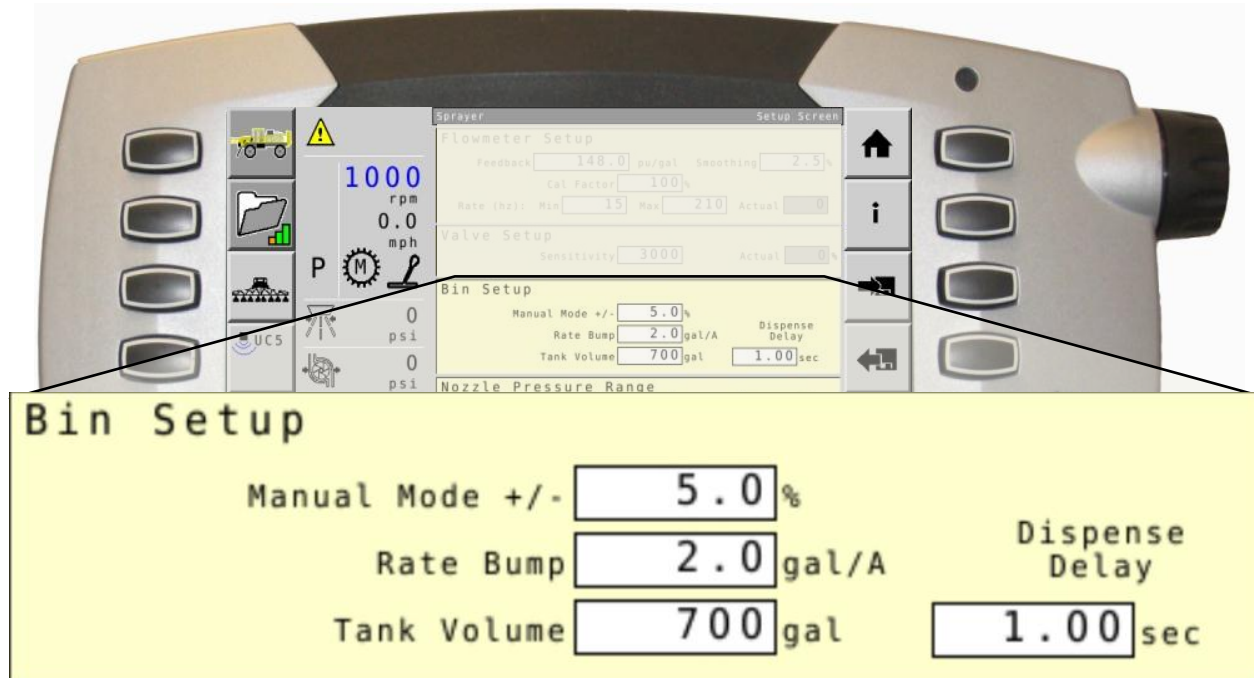
Rate Control Set-Up – Valve Set-Up



- Valve Setup

- Sensitivity is reaction speed of valve to ensure accurate application
 - Set high will oscillate
 - Set low will cause slow convergence
- Actually displays percentage that PWM valve is open
 - Can be used for troubleshooting

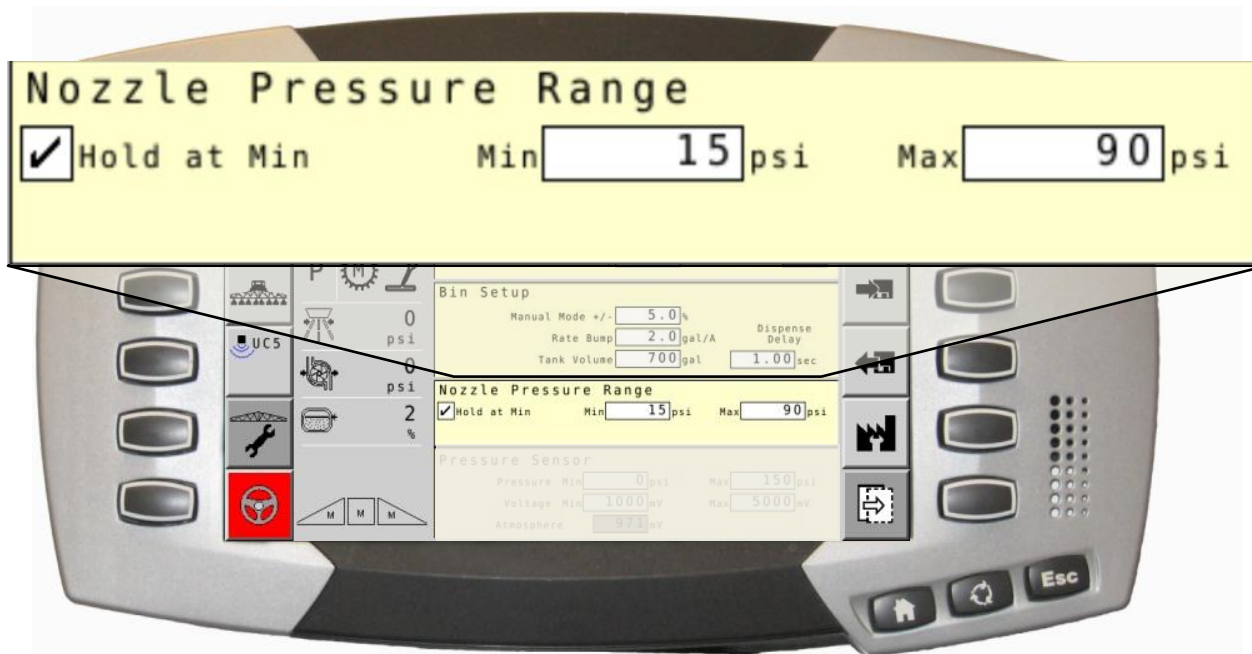
Rate Control Set-Up – Bin Set-Up



- Bin Set-Up

- Manual Mode \pm sets control valve opening % when in manual mode
 - Actual from Valve Setup (previous page) must read approximately 40% before application occurs
- Rate Bump controls the rate bump when in auto mode
- Dispense delay will be set to 1 sec. from factory and should not be changed

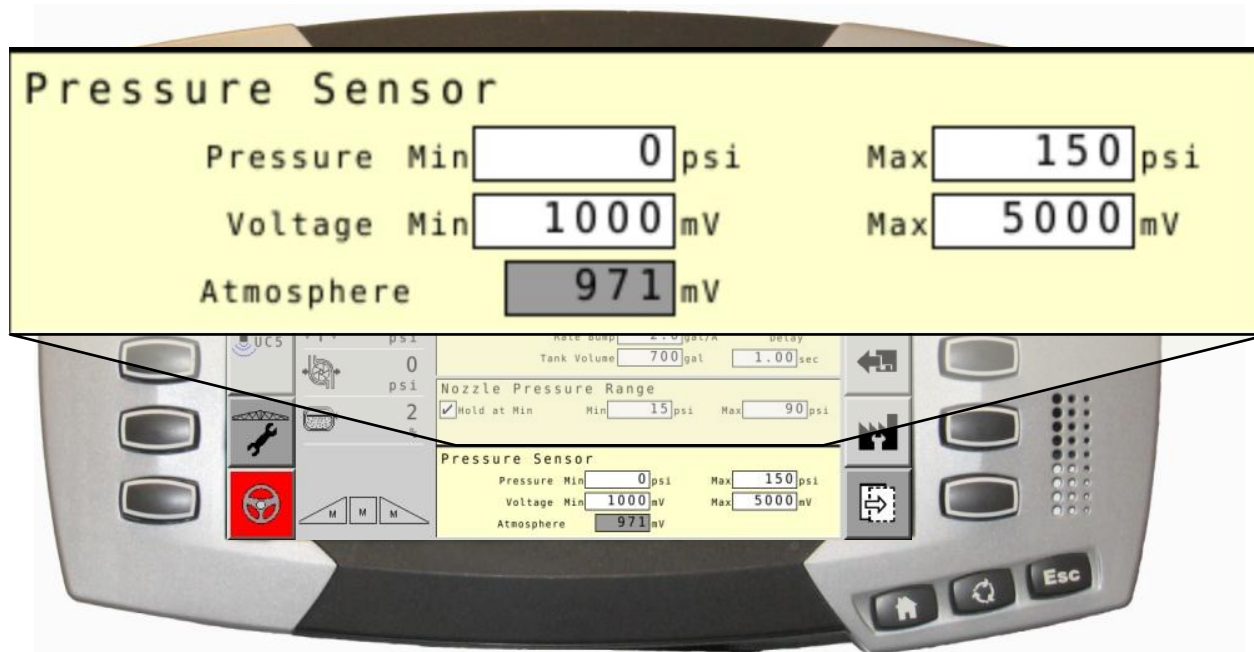
Rate Control Set-Up – Nozzle Pressure



- Nozzle Pressure Range

- Min and Max are based off nozzles being used, this will set the top and bottom of green bar graph in nozzle pressure gauge on product run screen. These settings trigger turtle or rabbit alarm for below or above recommended pressure ranges.
- Place check in the box if pressure should never drop below minimum
 - Keep in mind, if checked, this may mean overapplication if speed is too slow

Rate Control Set-Up – Pressure Sensor



- Pressure Sensor - These values should not need to be changed
 - Min, max sets nozzle pressure gauge operating range
 - Min, max mV sets operating range of the sensor for an accurate reading (Do not change)
 - Atmospheric pressure mV is a calibrated value to ensure sensor reads accurately; calibrate annually or when needed

Rate Control Set-Up - Calibration






- To see calibration hard key, use “Next Page” hard key on the right.
- To calibrate pressure sensor, select Calibration hardkey.
 - A calibration status bar appears at the bottom of pressure sensor area
 - Calibration should be done at least annually
 - Pull plugs from boom strainers to ensure boom is empty and sensor sees atmospheric pressure
- At any time, to exit Set-Up, press the Home Key.



Self-Test Speed - Stationary Test

Self-Test Speed – Stationary Test



- From the Chassis screen , use scroll wheel to highlight a window, press in on scroll wheel, use scroll wheel to highlight speed source screen  and accept, press the wrench  icon to edit settings.

Self-Test Speed – Stationary Test






- Use Speed Source hard key to open the window, use scroll wheel to change speed source to manual.
- Use Manual Speed hard key to open the window, use the scroll wheel to enter a manual speed.
 - Once accepted, the system can be tested while machine is static
 - Once finished, the speed source must be changed back to the original setting



Undefined Quick Start

Undefined Quick Start Job



- From AGCONTROL main run screen , and home if needed , enter Tank Reload screen , change tank % or tank volume and press checkmark to reload.

Undefined Quick Start Job






- From this screen, operator can change and accurately control rate application.
- Use scroll wheel to highlight target rate (blue box), accept, and scroll to desired rate. Once accepted product application can begin.
 - NOTE: Automatic Section Control is unavailable through this process. (See Undefined Quick Start w/Section Control)



Undefined Quick Start w/Section Control

Undefined Quick Start w/Section Control





- From AGCONTROL run screen , and home if needed , enter tank Reload screen , change tank % or tank volume and press checkmark to reload.

Undefined Quick Start w/Section Control



- 1) Rate must be set. See Undefined Quick Start Job.
- 2) Then a partial task or job must be set up; select the Task Controller hard key to begin.

Undefined Quick Start w/Section Control

- 1) To start an undefined task with section control, select Start. 
- 2) To auto-generate a new task name, select the “New Task” hard key. 
 - New task name will be based on Date (YYYY_MM_DD) and Task Number (00x).
 - All areas on this page can be changed as required
 - Use scroll wheel to highlight name box, select to enter a new name
 - Use green check to accept any changes if finished





Undefined Quick Start w/Section Control

- 1) Previously entered info (customer, farm, field) can be selected from the drop-down list. Use scroll wheel to highlight area, press end of wheel to see list
 - Use green check to accept any changes
- 2) To edit previously entered info or add new, use hard keys on right for each field (customer, farm, field)
 - For example, select the hard key for Customer Info





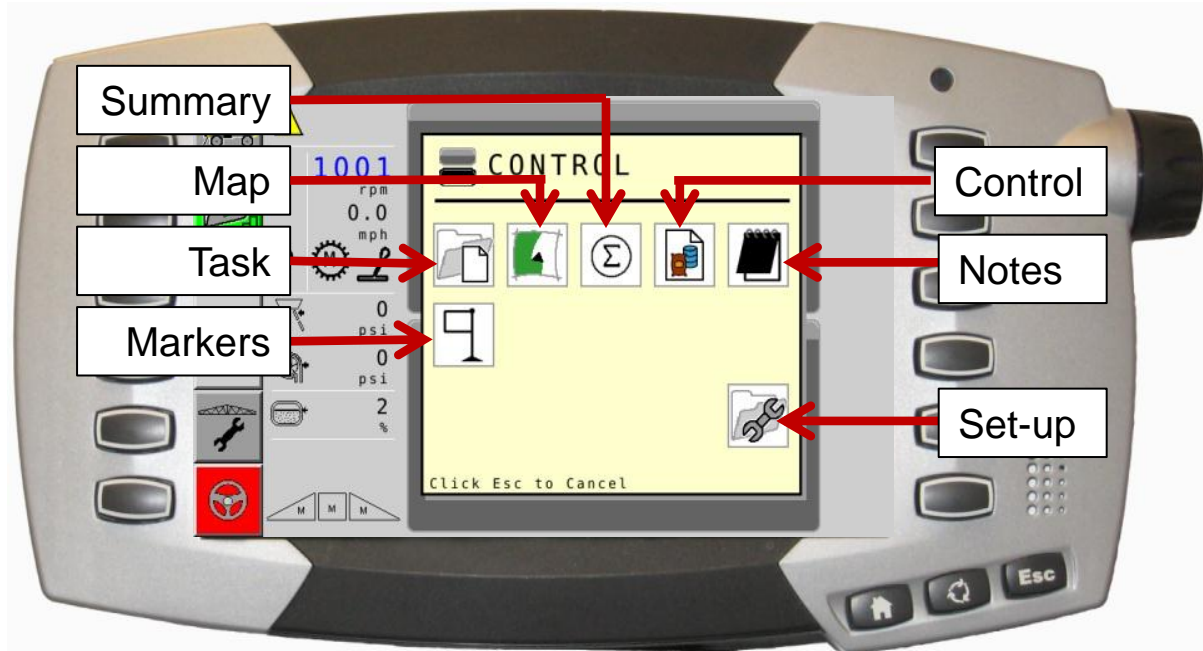
Undefined Quick Start w/Section Control

- 1) To **add** a new customer, select add customer 
 - Use scroll wheel to highlight area to change, select, input changes
 - Use green check to accept any changes
- 2) To **edit** an existing customer, select edit customer 
 - Use scroll wheel to highlight area to change, select, input changes
 - Use green check to accept any changes
- 3) Changes to Farm and Field info follow the same format though different content.



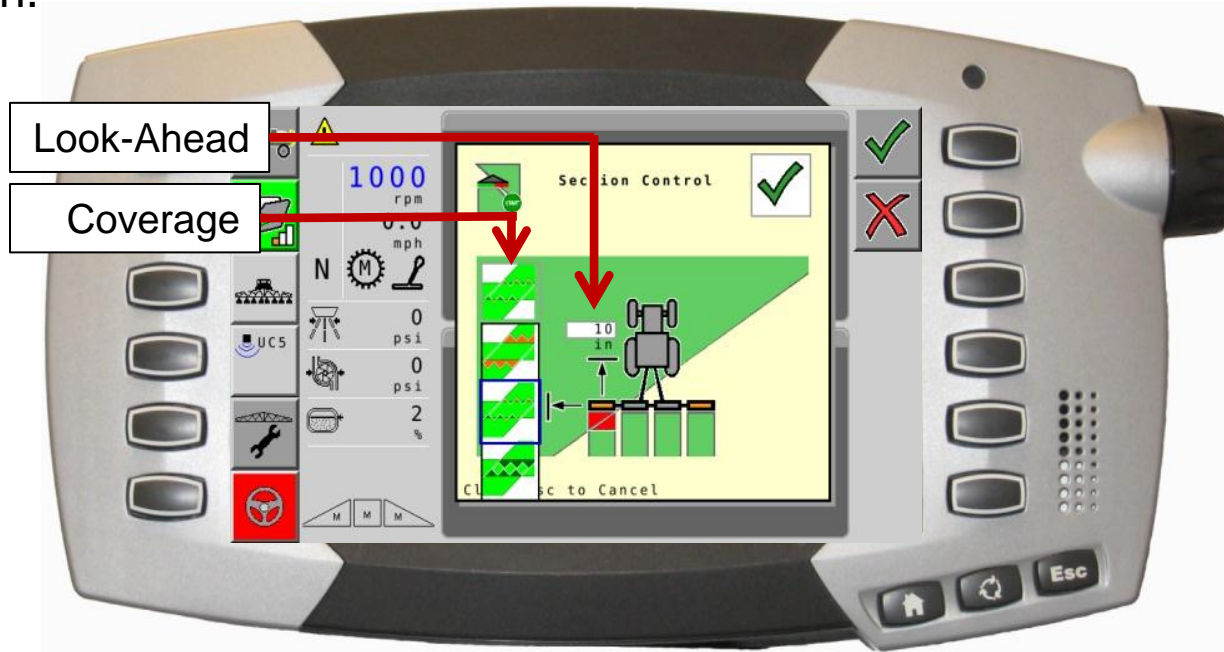
Undefined Quick Start w/Section Control




- 1) Once Task Name has been reviewed and accepted, select START  button to begin task.
- 2) With stop sign visible,  task is running.
- 3) Use scroll wheel to highlight a window (red box), select ESC button on the lower right corner of C1000.
- 1) Use scroll wheel to select "Control" container to set up Section Control



Undefined Quick Start w/Section Control

- 1) Once Control container has been selected, select Section Control icon.



- 2) Use scroll wheel to highlight coverage type or look-ahead. Press wheel to accept
- 3) Coverage; choose from overlap , mixed , or underlap  for Section Control.
- 4) Look-Ahead; Set in inches
- 5) To accept Section Control conditions, select checkmark hard key

Undefined Quick Start w/Section Control



- Now the stop icon will display, application can begin with automatic Section Control
- NOTE: STOP sign appears in section control icon
 - Section control will remain on until turned off.

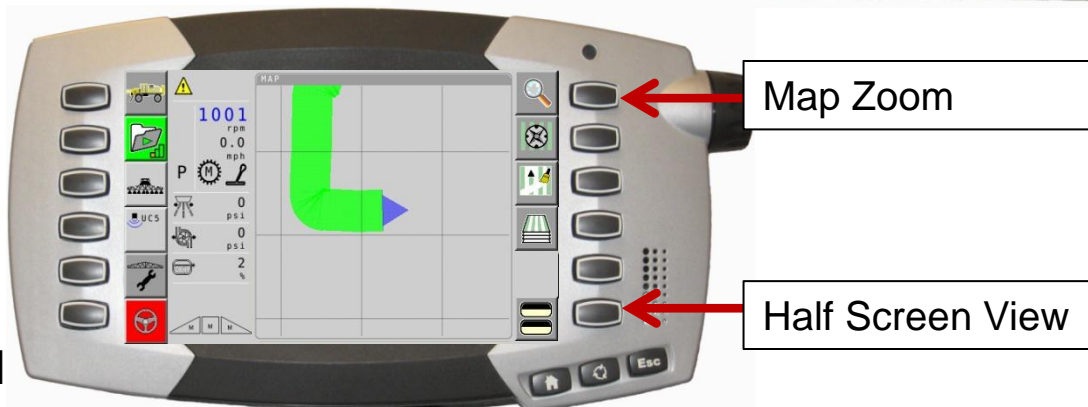
Undefined Quick Start w/Section Control

- To view as applied map,
 - 1) Use scroll wheel to highlight a window (red box)
 - 2) select ESC button on the lower right corner of C1000.
 - 3) Use scroll wheel to select “Map” container.



Undefined Quick Start w/Section Control

- Use map zoom hardkey to zoom in and out
- Use full screen hardkey to show the map in the full screen








Loading a Job w/Section Control


Loading a Job w/Section Control



- From AGCONTROL run screen , and home  if needed, enter tank Reload screen , change tank % or tank volume and press checkmark to reload.

Loading a Job w/Section Control



- 1) To start a map job from storage media (USB or SD Card), insert storage media into right side slot and wait for above screen to populate.
- 2) Once populated, select import job icon. 
 - Pop-up will display once job or jobs have been successfully imported.

Loading a Job w/Section Control

- 1) Open Task Controller , select "Start" icon  to find map job.





- 2) In Select Task screen, use scroll wheel to highlight the top box, push in on wheel to see drop down list, scroll to needed map as shown above.
- 3) Once task has been found and accepted, select Start.

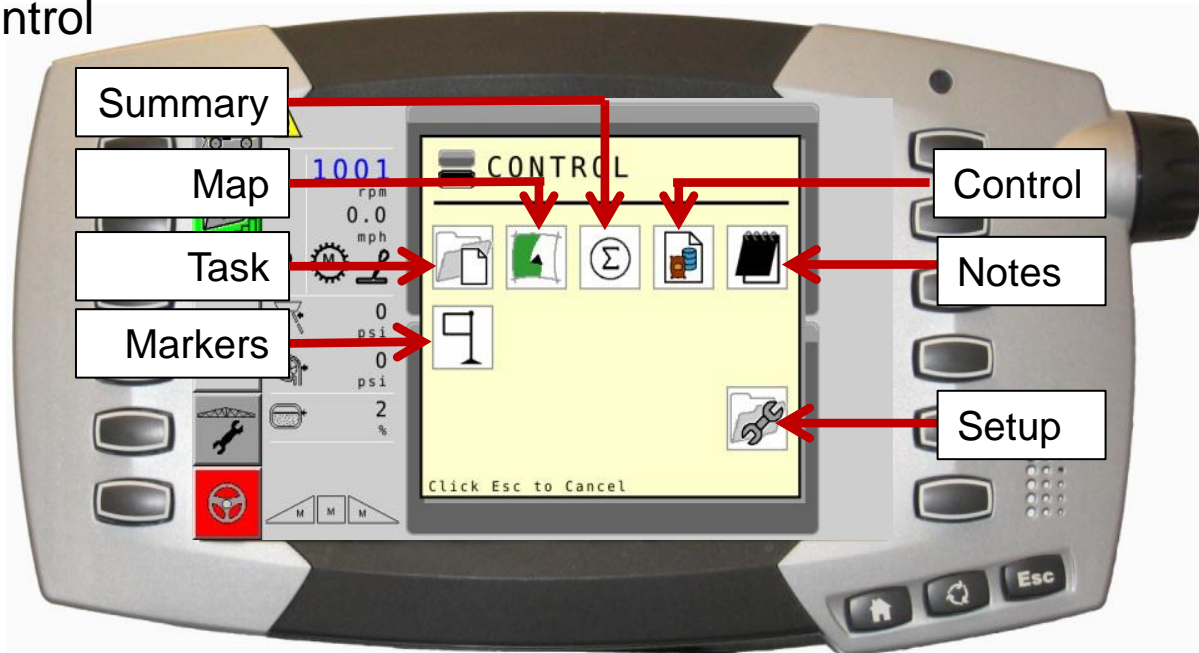
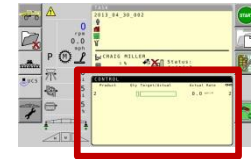
Loading a Job w/Section Control



- Now the task is running; set up Section Control for operation.
- If this is not the first job of the day with section control, it may already be running
 - Section Control NOT setup
 - Section Control Setup, ready to spray
- If Section Control is ready, product application can start, otherwise continue to next page.

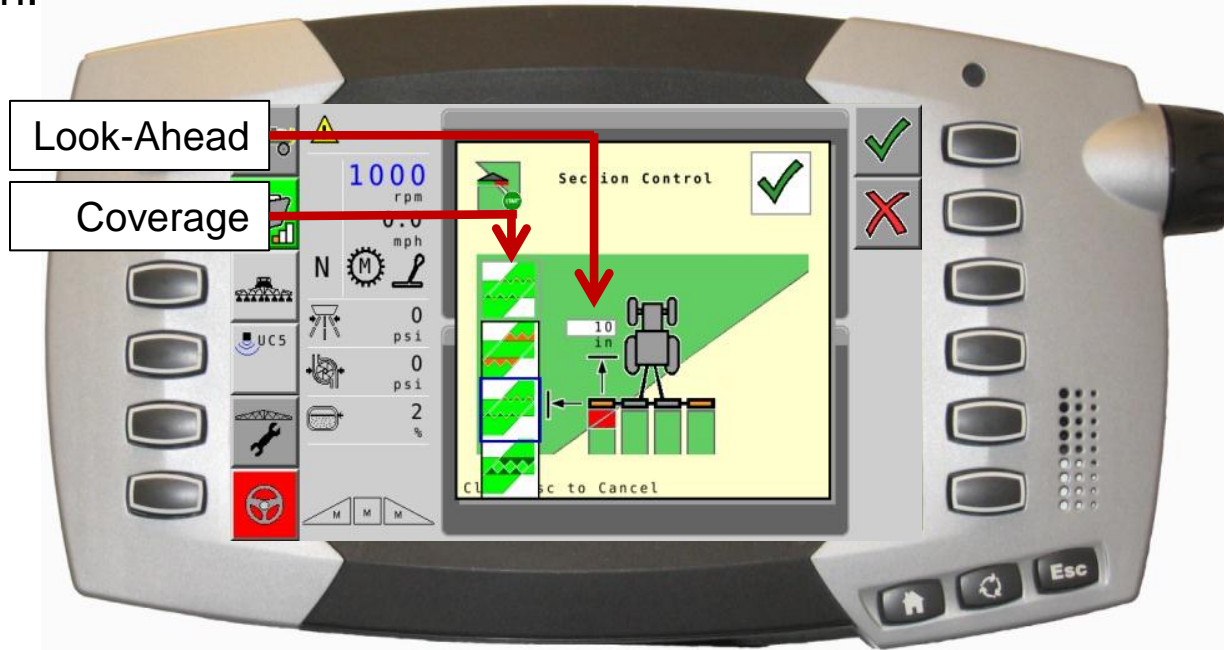
Loading a Job w/Section Control




- 1) Once Task Name has been reviewed and accepted, select **START**  button to begin task.
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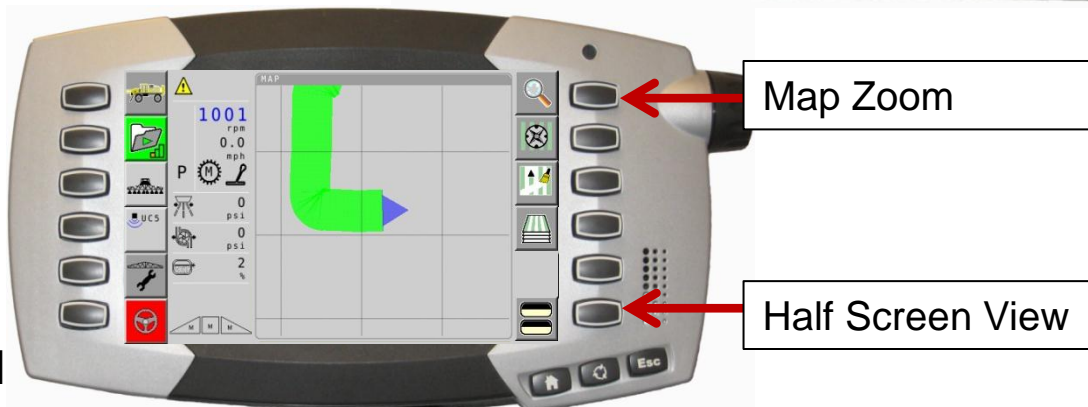
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