

20|20 GEN 3—vDRIVE CONTROL SCREEN



The **vDrive Control Button** shows the status of the system.

vDrive Control Button Population Legend

Variable – A seeding prescription is assigned and the vDrive system is in variable rate mode.

Multiple—the vDrive system is in manual mode and there are multiple rate sections configured

Rate Off—Unable to plant because the master plant switch is in the down position.

A Number is Displayed – the vDrive system is in manual mode with only a single rate section. The number that is displayed is the commanded manual population rate for that rate section.

Green—System is functional and has a commanded rate

Yellow—There is a prescription assigned to the active field, but the system is set to plant a manual rate.

Red—Unable to plant.



vDrive Control Button Swath Legend

Green—Swath Control is enabled and set to automatic mode

Yellow—Swath Control is enabled and set to manual mode

Red—Swath Control is disabled due to the swath switch being in the off position on the Cab Control Module or due to coverage.

If a seeding prescription is assigned to the active field, **Prescription** mode will control to the seeding prescription. **Manual** mode ignores the assigned seeding prescription and continues to plant at the assigned manual rate.



Single—assigns the same population rate to all rows. Select a preset population from the list of population set points displayed on the screen (configure this list using the “**Seeding Set Points**” button on the right hand side of the screen) and use the + or - buttons to increase the rate.

Multiple - Allows assignment of different populations to multiple rate sections that were configured in **Control Sections** setup.

Adjust Population—Use the + and - buttons to adjust the populations up or down the same amount for each **Rate Section**, or tap on each population to manually enter a new population for each **Rate Section** (requires multiple rate sections to be set up) See **vDrive 2020 Operators Manual**.

Toggle this button to **Enable/Disable vDrive**. Must be Enabled for product to function.

Selects components the planter will swath off to, including **Field Boundary, Inner Boundary, Map Coverage, and Simulated Headlands**.

Allows editing of population set points.

Advanced Swath Tools includes creating **Boundary** and **Simulated Headlands**, as well as enabling **Draw Coverage Always**.

vDrive

20|20 GEN 3—vDRIVE DIAGNOSE SCREEN

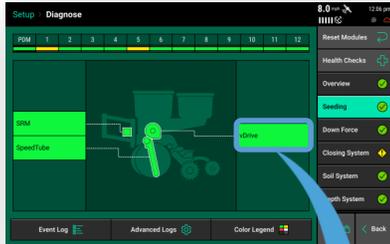
START HERE

Diagnose

1

Navigate to **Diagnose** from the **Home Screen (Setup > Diagnose)**, press **Seeding** on the right to access the **Seeding System** and then press **vDrive** to open the **vDrive Diagnose Page**.

Button Press



2

Button Press



HEALTH CHECK

Select **Seeding Manual Test** on the **Health Checks** page. This test will allow you to select a simulated **Rate** and **Speed** to verify the integrity of the vDrive system.

3



RPM Actual - The actual RPM of the vSet meter.

RPM Commanded - The RPM being commanded of the meter, as required by the target population.

Stability - Measures the variance of the drag on the motor. The higher the stability percentage the smoother the vDrive motor will be turning.

Supply Volts - The amount of volts at the vDrive motor. Average range of supply volts - 12-15 volts

Drive Amps - The amperage the vDrive is using while in operation.

Duty Cycle - The percent of time that power is commanded on where the on/off cycles are occurring at 35 kHz.

Shortcuts to components required for the function of vDrive. Click on any button to access settings screen for each component.