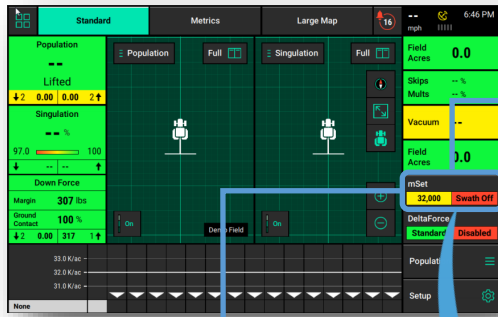


20|20 GEN 3—mSet/vSet SELECT CONTROL [2020.0.X SOFTWARE]



Note: mSet and vSet Select are controlled through the same process. mSet will be used throughout this guide, but all processes for vSet Select are virtually the same.

mSet/vSet Select Control Button Population Indicators

Variable – multi-hybrid seeding prescription is assigned and the system is in variable rate mode.

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

A Number is Displayed – the 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.

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

Red—Master plant switch is off.



mSet/vSet Select Control Button Swath Indicators

Green—Swath Control is enabled and set to automatic mode

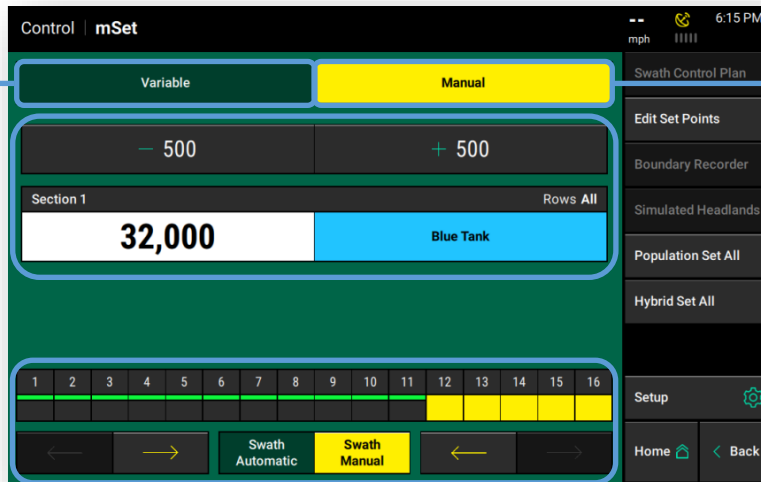
Yellow: Swath Control is enabled and set to manual mode

Red: Swath Control is disabled because the swath switch is in the off position on the Cab Control Module.

The mSet/vSet Select Control Button shows the status of the system. See indicator explanations to the right.

For a seeding prescription to be used select “Variable” at the top of the screen. Variable will automatically be selected when a prescription has been assigned to the active field.

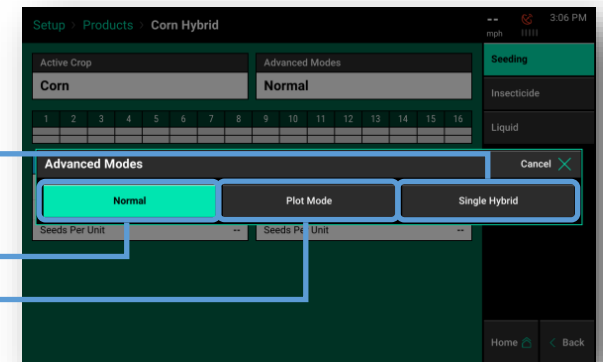
On the mSet Control page, operators can switch between Automatic and Manual swath control. Rows can be manually swathed off from either side of the planter by pressing the arrows. Additionally, the box representing rows on the planter can be manually swathed off/on by pressing-holding-swiping any of the boxes. Boxes that are yellow are swathed off.



Manual mode will display all configured **Rate Sections**. For each rate section the **Population** and **Tank** can be adjusted. To adjust all rate sections at the same time press the + or – buttons to change by 500 seeds. To change the **Tank** that seed is being planted from select the tank color button. To adjust a single rate section’s population, press on the population rate that is displayed., then either select a population from the **Population Set Points** or press the white box at the top and enter a rate.

3 Hybrid Modes Available—

Navigate to **Setup>Products>Advanced Modes**

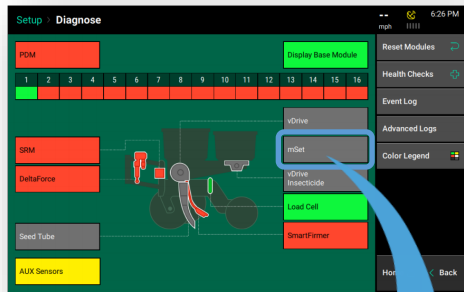


Single Hybrid Mode (only with mini hoppers) allows you to plant one hybrid with the whole planter.

Normal Hybrid Mode gives you the option to plant two different hybrids.

Plot Mode gives you the option to plant and map up to four different hybrids.

20/20 GEN 3—mSet/vSet SELECT CONTROL [2020.0.X SOFTWARE]



START HERE



Button Press

Navigate to **Diagnose Page** from the Home Screen (**Setup > Diagnose**), touch the **mSet/vSet Select** button on the row unit schematic to access the **Level 2 Diagnose Page**.

MSET DIAGNOSE:

Row	Actual	Tank	Cmd	Supply Volts	Level Sensor	Temperature
1			None	126	Calibrating	680
2			-	-	-	-
3			-	-	-	-
4			-	-	-	-
5			-	-	-	-
6			-	-	-	-
7			-	-	-	-
8			-	-	-	-
9			-	-	-	-
10			-	-	-	-
11			-	-	-	-

Active Tank: The active hybrid that is being planted at the time.

CMD Tank: The commanded hybrid to be planted at the time.

Level Sensor: Shows the health of the level sensor.

1. **Red** – Faulted or not detected.

2. **Green** – Healthy sensor range. Will say CAL for initial sensor learning. If a sensor is recalibrating it will show **Recal**.

Temperature: The temperature of the level sensor.

Supply Volts: Supply voltage at the mSet module which is housed in the Seed Selector.

vSET SELECT DIAGNOSE:

Row	Pop Actual	Tank	Pop Cmd	Actual	RPM	Stability	Supply Volts	Drive Amps	Duty Cycle
1	31,800	BH4612	0	0.0	0.0	0%	12.7	0.00	0%
		HT25-02RR	32,000	32.0	32.1	99%	12.6	0.23	26%
2	31,880	BH4612	0	0.0	0.0	0%	12.7	0.00	0%
		HT25-02RR	32,000	32.1	32.1	99%	12.6	0.22	26%
3	31,955	BH4612	0	0.0	0.0	0%	12.6	0.00	0%
		HT25-02RR	32,000	32.1	32.1	99%	12.6	0.26	26%
4	31,490	BH4612	0	0.0	0.0	0%	12.6	0.00	0%
		HT25-02RR	32,000	32.1	32.1	99%	12.6	0.19	26%
5	31,950	BH4612	0	0.0	0.0	0%	12.5	0.00	0%
		HT25-02RR	32,000	32.0	32.1	99%	12.5	0.15	26%
6	31,800	BH4612	0	0.0	0.0	0%	12.5	0.00	0%
		HT25-02RR	32,000	32.0	32.1	99%	12.5	0.20	26%

Population Actual - This is the measured population the meter is actually planting reported by the seedtube sensors.

Tank - displays which tanks seeds are currently being planted from.

Pop Command - The target population that the system is commanding the meters to plant.

RPM Actual - The actual RPM of the vSet meter.

RPM Command - The RPM of the meter needed to reach 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 being sent to the vDrive motor. Average range of supply volts - 12-15 volts

Drive Amps - The amperage the vDrive is pulling while in operation. Standard operating range of current draw at 5mph • Corn - .4-.6 amps • Beans - .7-.9 amps

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

vSet Select Systems with mini-hoppers will have a **Flow Reducer** button on the main diagnose page. Systems with 1.6 bu hoppers connected to bulk tanks there will be a **Blower Control** button on the main diagnose page. Select this button to see the status of the **Blower Control** and **Flow Reducer Modules**.