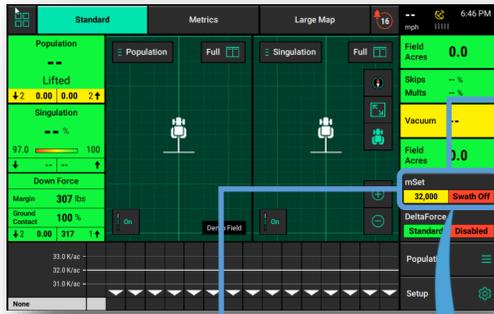# 20|20 GEN 3—mSet/vSet Select CONTROL

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.

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

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.

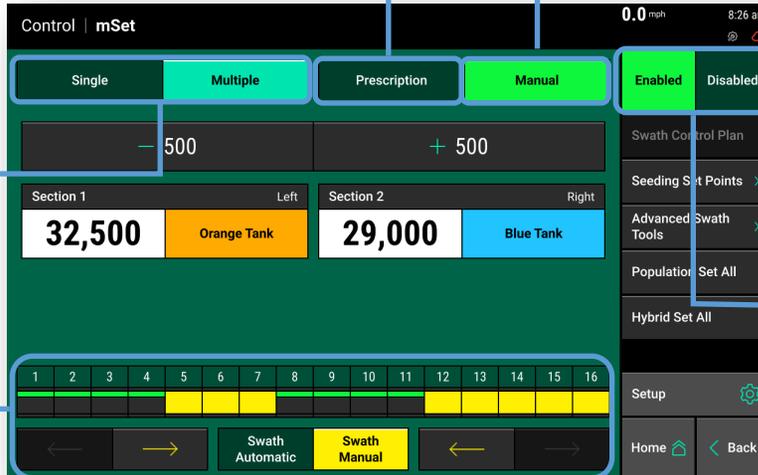## mSet/vSet Select Control Button Swath Indicators

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**.

For a seeding prescription to be used select **"Prescription"**, a prescription must be assigned to the field (**Setup>Fields>Active Field).**

Single rate control indicates a single rate section. **Multiple** will allow multiple rate sections to be assigned if rate sections have been created in **Control Sections Setup.**

Select 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.

Before the **mSet** system can be used, the system must be enabled by selecting the **"Enabled"** button.

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.

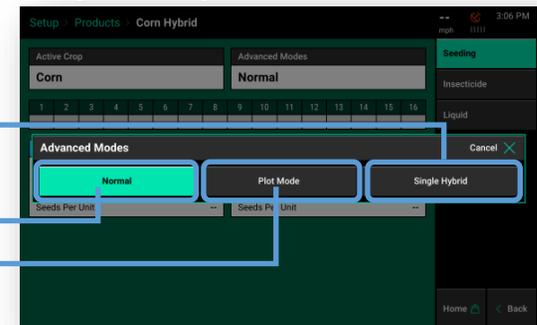**Normal Hybrid Mode** gives you the option to plant two different hybrids.

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

Precision Planting

mSet/vSet Select

START HERE

Diagnose

Main Diagnose Page

Button Press

Button Press

Seeding Diagnose

Button Press

mSet DIAGNOSE:

Row	Tank		Pool Sensor	Supply Volts
	Actual	Cmd		
1	None	None	Calibrating	14.7
2	None	None	Calibrating	14.7
3	None	None	Faulted	14.8
4	None	None	Faulted	14.6

Setup › Diagnose › **mSet** 0.0 mph 1:00 pm

Reset Modules
SRM
vDrive
mSet

Lift State Lifted	Radar Speed Wait Signal	GPS Speed Waiting Comm	FWD Accel 0.000 ft/s/s	Master Plant Off	Turn Rate 0.00 deg/s

Home Back

vSet Select DIAGNOSE:

Setup › Diagnose › **vSet Select** 0.0 mph 2:16 pm

Row	Tank	RPM		Stability	Supply Volts	Drive Amps	Duty Cycle
		Actual	Cmd				
1	None	0.0	0.0	0%	11.9	0.00	0%
	None	0.0	0.0	0%	11.7	0.00	0%
2	None	0.0	0.0	0%	11.8	0.00	0%
	None	0.0	0.0	0%	11.8	0.00	0%
3	None	0.0	0.0	0%	11.9	0.00	0%
	None	0.0	0.0	0%	11.8	0.00	0%
4	None	0.0	0.0	0%	11.7	0.00	0%
	None	0.0	0.0	0%	11.8	0.00	0%
5	None	0.0	0.0	0%	11.8	0.00	0%
	None	0.0	0.0	0%	11.7	0.00	0%
6	None	0.0	0.0	0%	11.9	0.00	0%
	None	0.0	0.0	0%	11.7	0.00	0%

Reset Modules
SRM
vSet Select
Blower Control
Flow Reducer

Lift State Lifted	Radar Speed Wait Signal	GPS Speed Lost Comm	FWD Accel 0.000 ft/s/s	Master Plant Off	Turn Rate 0.00 deg/s

Home Back

Navigate to **Diagnose Screen** from the Home **Screen (Setup > Diagnose)**, select Seeding on the row unit schematic to access the **mSet/vSet Select Detailed Diagnose Screen.**

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

CMD Tank: The commanded hybrid to be planted once the seed pool is exhausted of the previous hybrid.

Pool Sensor: Shows the health of the seed pool sensor.
1. **Red** – Missing or not detected.
2. **Yellow**— Faulted
3. **Green** – Healthy sensor range. Will display **Calibrating** for initial sensor learning. If a sensor is recalibrating it will show **Recal**.

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

Tank – displays which tank's seeds are currently being planted from.

RPM Actual—The current RPM of the meter

RPM Command - The RPM being commanded of the meter, required 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** or **Flow Reducer Modules**.

ᐯ Precision Planting