

# Pre-Plant Checklist

SRM based Systems

Dealership: \_\_\_\_\_ Service Charge: \_\_\_\_\_

This certifies that we have performed our in-depth **58 point inspection** recommended by the manufacturer on your planter equipment and you are ready for planting. Thank you for your business.

## All Systems:

- Update to latest software version
- Disk Space available on 20/20 SeedSense  
Precision Planting strongly recommends backing up your data to the Cloud or via USB and clearing 'Old Field Map Data' and 'Old Coverage Maps' prior to beginning a new season.

## Installation:

- CAN Booster – verify CAN booster is installed on ALL systems with CAN networks  $\geq 130'$  (normally needed on all planters 23+ rows)
- Planter Harness and Smart Connector installed on ALL systems where Precision Planting is NOT controlling the seeding. (ie. DeltaForce installed on planters with ground drive or OEM controlled hydraulic drives)
- Lift Switch is installed into system controlling seeding
- Verify CAN terminator is installed at end of last backbone section

## Configuration / Setup:

- Plant Tab configuration is accurate
- Crops Tab is configured correctly for each Crop
  - Seeds per Disk
  - Active Rows
  - Default Population
  - Default Tank/Hybrid (vSet Select Only)
- GPS Measurements are accurate
  - Complete GPS Offset Check
- Lift Switch is Calibrated
- Radar is Calibrated
- Advanced Setup page – PDM Mounting
  - Label position is correct
  - Orientation of fuses is correct

## Diagnose Page:

- All green
- Raise and lower planter changes Lift Status correctly
- Moving planter & tractor – speed sources respond accordingly
  - GPS & Radar within  $\frac{1}{2}$  mph of each other
- Zero Load Cells

## vSet:

### MeterMax Ultra Stand:

- Meters serviced annually (ejector, seals, brushes, etc... as needed)
- Verify meter performance for all applicable crops
- Verify meter is shimmed correctly

### vDrive:

#### Meter:

- Verify meter performance
- Perform a Swath Run Cal

#### Diagnose Page:

- Pass No Load HealthCheck
- Pass Full Load HealthCheck

### DeltaForce:

#### Installation:

- Inspect Parallel Arm Bushings
- Inspect cylinders, Lift Manifold, and hose fittings for leaks
- Inspect hydraulic lines for wear or bare spots
- Verify hydraulic oil level in tractor

#### Diagnose Page:

- Pass the 'Applied Force HealthCheck'
- Complete the 'No Seed Logging' test – Verify accurate performance via FieldView

### SpeedTube:

#### Installation:

- Ensure meter and SpeedTube align properly when meter/hopper is locked down
- Verify small feeder wheel is installed while planting corn, and soybean deflector is installed while planting soybeans
- Re-tension belt before each season

#### Configuration, Setup:

- Swath Run Cal cannot be completed with SpeedTube installed
  - Enter 0.5 for both "Start Seeding Delay" and "Stop Seeding Delay" and 0.0 for "Calibration Meter Speed"

### vSet Select:

#### Installation:

- Ensure Seed Delivery hoses are routed from each tank to meter correctly
- Ensure Meters are oriented correctly (Odd/Even)

#### Configuration, Setup:

- Verify Flow Reducer Offset value (Advanced Setup)
- Recommended Swath Calibration values:
  - Start Seeding Delay = 0.409
  - Stop Seeding Delay = 0.401
  - Calibration Meter Speed = 26.9
  - Set Swath Coverage Pattern to "NO OFFSET"

#### Diagnose Page

- Pass No Load HealthCheck
- Pass Full Load HealthCheck

### Simulated Planting:

- For vDrive, SpeedTube and vSet Select applications  
We recommend validating planter performance, starting at the Home screen, for a minimum of 90 seconds. This will require seed in all hoppers (use a catch bin to capture seed as needed) and all hydraulic, vacuum, and electrical levels to be normal operating levels. Press and Hold Up on the Auto Load switches to operate the planter at 3mph and default populations while evaluating planter performance through the different levels of the 20/20 as needed.

### Vacuum Recommendations:

	Corn	Soybean
vSet	20"	20"
vSet Select	23"	24"
SpeedTube	30"	25-30"

### Conditions/Requirements to Plant:

- Planter Lowered (Lift Switch)
- Planter Moving (GPS / Radar)
- Master Plant ON
- Commanded Population (vDrive only)
- DeltaForce Enabled (DeltaForce only)

### Notes: