

THE 9800VE SERIES



WHITE
PLANTERS

Planting with Precision.

THE 9800VE SERIES





ROSENSEN
RYAN'S
SLEEPY EYE







Planting with Precision

To meet the needs of a growing world, we must get more yield from the same land. While seed technology, fertilizer and irrigation can help produce higher yields, there is no replacement for getting seed in the correct location acre after acre.

White Planters™ has a long and proud tradition of achieving accurate planting with minimal downtime, wear or required maintenance. Over the course of several decades, we have studied, designed and refined the mechanisms and results of planter performance. It has been our goal to use the best innovations and proven designs to give farmers accuracy, dependability and ease of use.

Our new 9800VE Series takes the trusted systems White Planters have used for years and supplements them with proven designs and innovations to give an even higher level of performance. Our new planter provides the speed, accuracy and assurance needed to deliver the yields the future will expect.



Planting is not a single activity

Planting is a collection of activities that must happen at once, repeatedly and with minimized error. The level of control and performance in each of these activities is directly related to your planting success:

- **Trench opening**
- **Seed singulation**
- **Depositing seed in trench**
- **Closing**

Additionally, the assurance that each of these activities is occurring correctly and will continue to over time provides peace of mind. For these reasons, monitoring and durability become equally important aspects of planting performance.

The White Planters 9800VE Series feature designs and technologies to address each aspect of planting with control and precision.



The White Planters 9800VE Series

Opening and Trench Formation

One of the most important functions a planter can perform is the formation of a proper seed trench during opening. A correct V-shaped trench keeps seeds secure in alignment and makes an ideal germination and growing environment.

The design for opening seed trenches varies across manufacturers. While most planters use two discs to open the seed trench, the size and position of these discs can affect the quality of the trench and the usable life of the discs themselves.

The 9800VE Series's large double-disc seed trench openers (16-inch) allow for deeper seed placement while the cast row unit assembly removes the flex/tolerances versus welded construction. The cast and machined row unit assembly provides strength and precise, consistent alignment of all components. This results in a more desirable and consistent seed trench.

Singulation Accuracy

This can be best evaluated through its core activities, picking up retained seed on a disc and singling to one seed per space. The White Planters 9800VE Series features vSet® meters from Precision Planting.

With these vDrive® electric driven meters, each row unit acts as an individual planter and can adjust to varying ground speeds when planting contours, row by row, so that population and seed spacing is consistent across the entire width of the planter in all conditions.

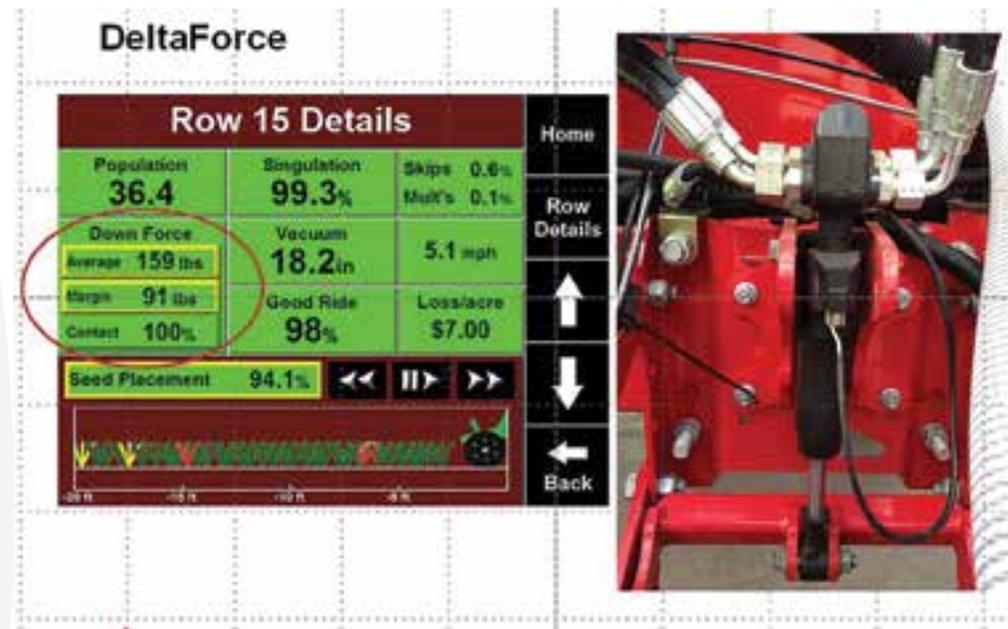


Depth and Down Pressure

Depth can have a significant effect on both the success and timing of emergence. While all planters have mechanisms for setting and maintaining depth, the ability to set, manage and calibrate depth does vary across designs. A planter's depth can be impacted by obstacles in the field, different soil densities and changes in terrain. As the planter moves across varied terrain, the ability to maintain correct down pressure can make the difference in keeping an optimal relationship from row unit to soil.

Available on the 9800VE Series is the the DeltaForce® Active Hydraulic Down Force system from Precision Planting®. This system can provide independent down pressure control of each individual row unit based on sensors measuring the correct down pressure needed. DeltaForce responds to the soil conditions multiple times a second in order to maintain planting depth without compacting the soil around the seed. This fast response is crucial in order to have every seed in the correct environment, whether planting at high speeds or at a more traditional speed. The ability to set, monitor, react and record down pressure gives you the precise control to aid uniform emergence across the field.

Monitor and control individual row unit down pressure to ensure correct seed depth and soil environment with the 20/20 SeedSense monitor.



 Precision Planting®

DeltaForce®
SeedSense®
vDrive®
vSet®

Frames

Row Units/Row Spacing Options: **12/30, 16/30, 24/30**

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Liquid Fertilizer

The large capacity on-board liquid fertilizer attachment may also be combined with the 90 bushel Central Fill System for all three VE series planters. An ISO monitor, tractor or C1000 is required to operate this system. Double disc or single disc side knife liquid fertilizer openers may be used in combination with row-unit-mounted tillage coulters. An available factory-installed single piston pump and flow divider accurately meters fertilizer to each fertilizer opener on the models 9812VE and 9816VE. A double-piston pump and two 12-row flow dividers are offered for the model 9824VE.

Additionally, on the 9816VE and 9824VE variable rate pumps (Electric and Centrifugal) are available.

Central Fill System (CFS)

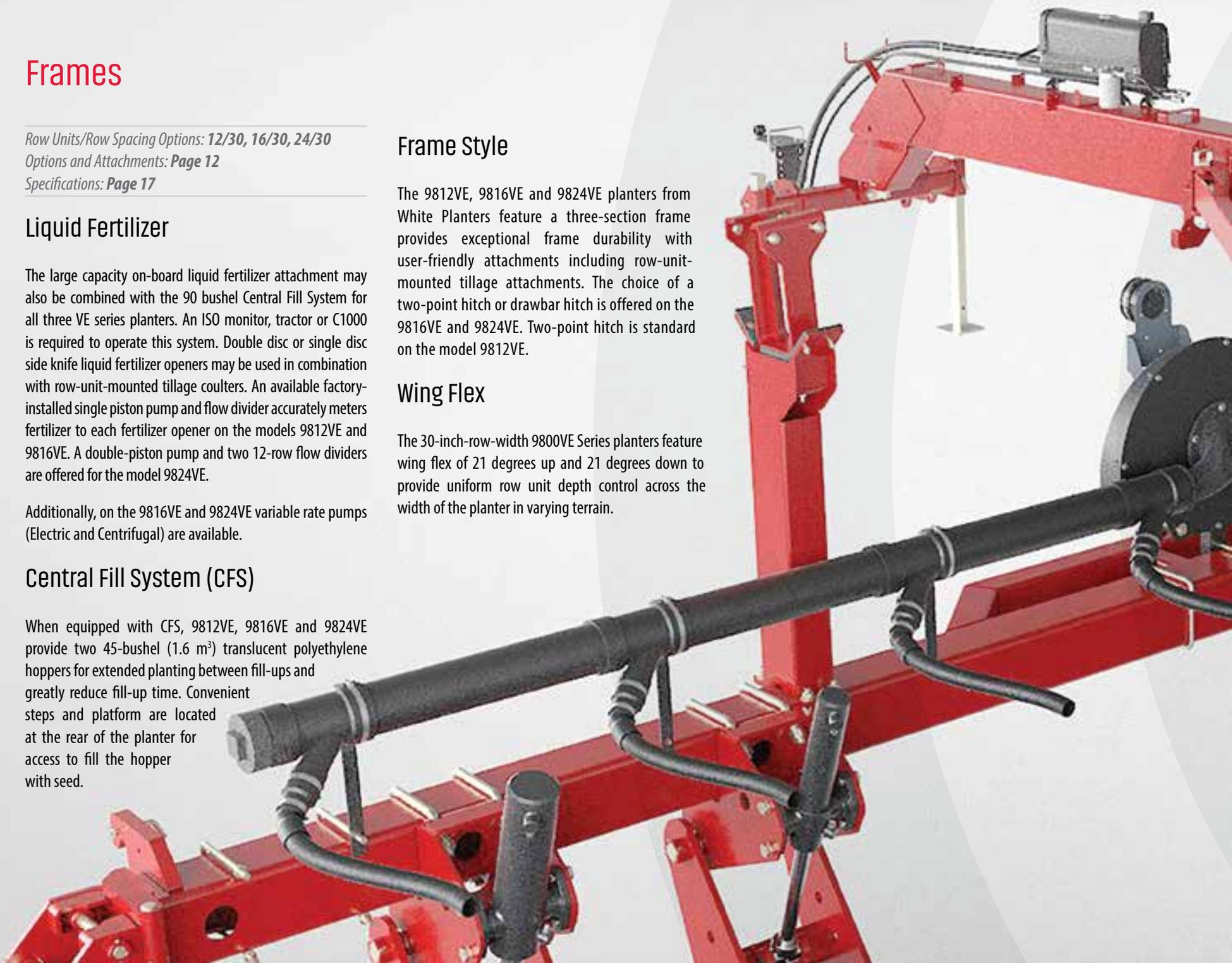
When equipped with CFS, 9812VE, 9816VE and 9824VE provide two 45-bushel (1.6 m³) translucent polyethylene hoppers for extended planting between fill-ups and greatly reduce fill-up time. Convenient steps and platform are located at the rear of the planter for access to fill the hopper with seed.

Frame Style

The 9812VE, 9816VE and 9824VE planters from White Planters feature a three-section frame provides exceptional frame durability with user-friendly attachments including row-unit-mounted tillage attachments. The choice of a two-point hitch or drawbar hitch is offered on the 9816VE and 9824VE. Two-point hitch is standard on the model 9812VE.

Wing Flex

The 30-inch-row-width 9800VE Series planters feature wing flex of 21 degrees up and 21 degrees down to provide uniform row unit depth control across the width of the planter in varying terrain.





Options and Attachments

Fertilizer Application

SINGLE DISC OPENER/LIQUID INJECTOR **A**

Designed for no-till, minimum-till and conventional tillage operations, this single disc fertilizer opener/liquid injector features a spring-mounted tine injector nozzle for liquid fertilizer application. Liquid fertilizer is placed in the soil without the use of a knife, providing plug-free operation.

SINGLE DISC OPENER/SIDE KNIFE LIQUID OR GRANULAR APPLICATION **B**

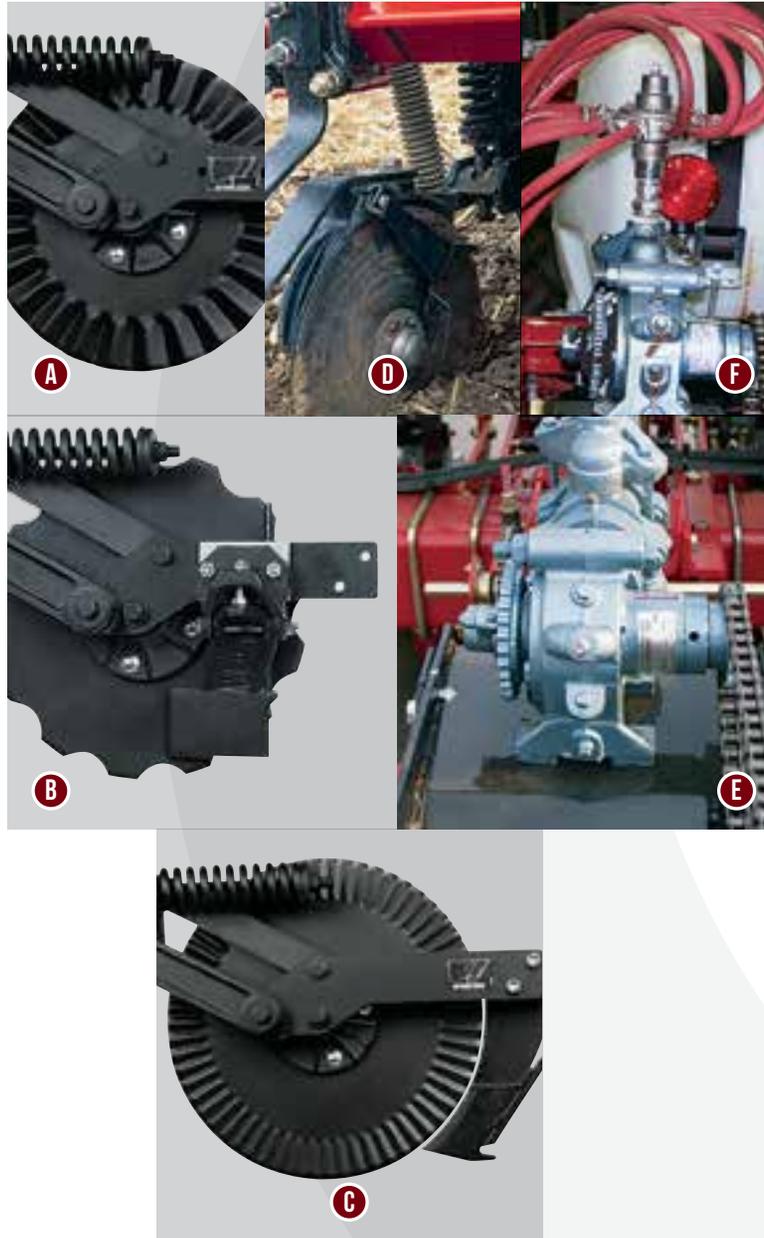
Designed for no-till and minimum-till applications, this single disc fertilizer opener features an austempered side profile knife to place fertilizer up to four inches (102 mm) deep, providing effective placement of fertilizer with minimal adjustment.

SINGLE DISC OPENER/TRAILING KNIFE LIQUID OR GRANULAR APPLICATION **C**

Designed for no-till planting conditions, this 17-inch (432 mm) disc and knife work well in firm, no-till soil that has residue on the soil surface. The disc cuts residue at the soil surface, and the trailing knife places the fertilizer with minimum soil disturbance.

DOUBLE DISC OPENER FOR LIQUID OR DRY APPLICATION **D**

Designed for conventional and minimum-till applications. Two 13.5-inch (343 mm) diameter discs are C-spring mounted to an adjustable clamp.



Fertilizer Metering & Other Attachments

PISTON PUMP **E**

The variable stroke, double-acting, single or double piston metering pump dispenses a consistent flow of liquid fertilizer. All internal parts that come in contact with fertilizer are stainless steel.

Additionally, on the 9816VE and 9824VE variable rate pumps (Electric and Centrifugal) are available

FLOW DIVIDER PACKAGE **F**

The piston pump flow divider provides optimum liquid fertilizer metering accuracy to each fertilizer opener. The application rate per acre remains constant over a wide range of planting speeds.

Row Unit Attachments

DISC TRASH MASTER **I**

Two 12-inch (305 mm) diameter solid discs clear a clean path in front of the seed openers, moving residue to the side to avoid hair pinning residue into the seed trench. Adjusts in 1/4-inch (6 mm) increments.

COMBINATION RESIDUE MANAGER/BLADE **J**

Finger wheels or SharkTooth wheels clear seedbed of loose residue while blade works seedbed path. Simply pin the residue wheels up to use the tillage coulters alone.

TILLAGE COULTER **K**

The coulters and the row unit both work off the same planter parallel links for a precise alignment and depth relationship. The constant alignment of the coulters and disc openers ensure that the seed is placed in a seed trench with no air space below the seed that could cause poor seed-to-soil contact and slow germination.

FLOATING RESIDUE MANAGER **L**

Thirteen-inch (330 mm) SharkTooth wheel and depth bands provide aggressive residue movement from the path of the row unit. The unit-mounted residue wheels float over the surface, and the depth bands assure the right depth of operation and prevent gouging or furrowing of the soil.

FINGER RESIDUE MANAGER **M**

Ideal for medium to high residue levels, the 13-inch (330 mm) diameter steel finger wheels clear residue away from the seed opener. Adjusts in .25-inch (6 mm) increments so you can set it low enough to move residue aside, yet high enough to avoid creating an unwanted trench.



ANGLED RUBBER PRESS WHEELS **N**

Improve seed-to-soil contact in heavier soil and moderate no-till conditions. Adjust wheels by offsetting them or changing width from 1.25 to 2.88 inches (32 to 73 mm) for improved performance at various seed depth and soil conditions. Adjustable down pressure: 50 to 133 lbs. (23-133 kg.)

ANGLED CAST-IRON PRESS WHEELS **O**

Great for closing the toughest seed trench. Recommended for tough no-till. Adjust wheels by offsetting or changing width for improved performance in high-residue and no-till conditions. Adjustable down pressure: 115 to 310 lbs. (52-141 kg.)

SINGLE V-TRENCH PRESS WHEEL **P**

Firms both sides of the seed trench in mellow soil conditions. Advantageous for shallow planting in tilled soil. The center of the seed trench is capped for a soft top. Adjustable down pressure: 50 lb. to 133 lb. (23-133 kg.)

5/16" RIPPLE BLADE **Q**

Creates little soil disturbance and operates well at all speeds. It provides a narrow seed trench of less than 3/4 inches (19 mm). For heavy residue or sod, the blade slices through the toughest conditions.

3/4" BUBBLE BLADE **R**

Wedges soils apart to provide a V-seed trench and operates well at most speeds. It provides a seed trench profile of less than 3/4 inches (19 mm) in the bottom to 1 1/4 inches (32 mm) on the top. Works well in compacted soils with high residue.

7/8" 8, 13 OR 25-FLUTE BLADES **S**

The 13-flute provides aggressive soil and residue mixing. The 25-flute is less aggressive. Both operate well at most speeds. They provide a seed trench width of 7/8 to 1 1/4 inches (22 to 32 mm). Cuts through residue very well and ideal for medium soils.

Monitors & Technology

SeedSense 20/20

With its color-coded, touchscreen display, you'll spot any errors in down force, spacing and singulation immediately. You'll zero in on the source. You'll check it out. You'll fix it. And you'll move on, confident that you're doing everything you can to plant profitably.

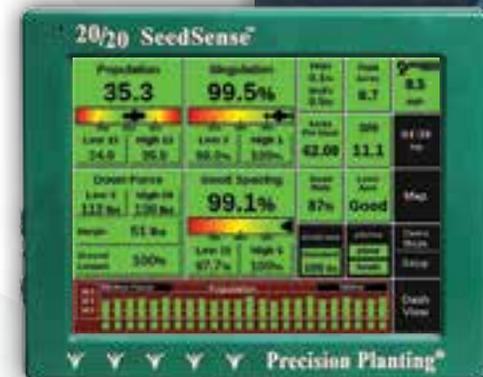
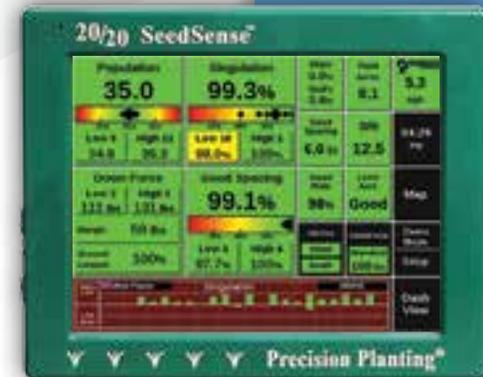
More precise than any other monitor, 20/20 SeedSense tells you what you need to know about population, skips, doubles, speed, row unit ride, down force and ground contact. It enables you to seed precisely, maintain depth, avoid compaction and troubleshoot mechanical problems.

20/20 SeedSense is easy to use, too. The main screen summarizes everything. The most important metrics are the largest. Green means go, yellow means caution, red means stop and fix whatever's wrong. Just tap the screen and you'll see row by row details, so you know where to look.

Monitoring

Monitoring seed placement is a must in high stakes crop production. Monitoring can help predict yields, troubleshoot issues and warn of conditions that can cost substantial time, effort and money.

The 9800VE Series uses the 20/20 SeedSense monitor. The 20/20 SeedSense uses a single-row monitor (SRM) that has an accelerometer that measures the vertical movement of the row unit. The system detects erratic vertical movement, vibration and other symptoms of less than optimum planting conditions, which allows the operator to make adjustments at the onset rather than finding out about the problem at the emergence, when it is too late to fix. The 20/20 system also measures the amount of down force being exerted on the gauge wheels measured by a sensor near the depth stop. When the opening discs are engaged in the soil at planting depth the operator has set, the operator will know that they are planting at the correct depth because they will see 100% ground contact on the 20/20 display. If in the last three seconds the opening discs have been more shallow than what the operator set, the operator will see a percentage of ground contact less than 100%, indicating that there are seeds planted shallow that may emerge at a different time. The system allows the operator to view the minimum and maximum weights on the gauge wheels as the planter moves through the field, allowing them to ensure all seeds are at the correct depth.







Specifications

MODEL FAMILY	9812VE	9816VE	9824VE
FRAMETYPE	NARROW TRANSPORT	NARROW TRANSPORT	NARROW TRANSPORT
Rows/Spacing Available	12R30	16R30	24R30
Hitch on Planter	2 pt	2 pt or drawbar	
Frame Flex	21° up/ 21° down		
Frame Size in. (mm)	7 x 7 (178 x 178)		
Planting Capabilities	Conventional till No-till		
Meter Drive	vDrive Electric		
Lift System	Wheel module w/hydraulic cylinder		
Number	6	8	10
Tires	2		
Transport Tire Size	10:00 15 F1 Load range D	295/75R22.5, 16 Ply	95/75R22.5, 16 Ply
Number of Trans Tires	4	4	4
Total Tires per Planter	6	8	10
Metering Units	9800VE Series vacuum air system with hydraulically driven blower		
Blower Drive - Std.	Direct drive from tractor remote valve		
- Opt.	PTO-driven hydraulic pump		
Hopper Capacities	Central Fill System (90 bushel)		
Seed Hopper ² bu. (L)			
Fertilizer Capability	Liquid		
Markers - Std.	Bifold breakaway	Trifold breakaway	
- Opt.	None	None	
Remote Control Valve Requirements	5 (No PTO Pump Option) CFS Seed Distribution Planter Raise/Lower Planter Fold/Markers Planter Vacuum Blowers Delta Down Force (Optional)	6 (No PTO Pump Option) CFS Seed Distribution Planter Raise/Lower Planter Fold/Markers Planter Vacuum Blowers Delta Down Force (Optional) Liquid Fertilizer Centrifugal Pump (Optional)	
	3 (With PTO Pump Option) Planter Raise/Lower Planter Fold/Markers Delta Down Force (Optional)	5 (No PTO Pump Option) CFS Seed Distribution Planter Raise/Lower Planter Fold/Markers Delta Down Force (Optional) Liquid Fertilizer Centrifugal Pump (Optional)	
Monitor - Std.	20/20 SeedSense, GPS Receiver is Required via CAN or RS232 Communication		
Sensors - Std.	High Rate		
Transport Width ft. (m)	12' (3.65)		





The logo features a stylized green 'V' symbol to the left of the text 'Precision Planting' in a serif font, with a registered trademark symbol (®) at the end.

DeltaForce®

SeedSense®

vDrive®

vSet®

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