



SMARTBOX+[®] Quoting Guide

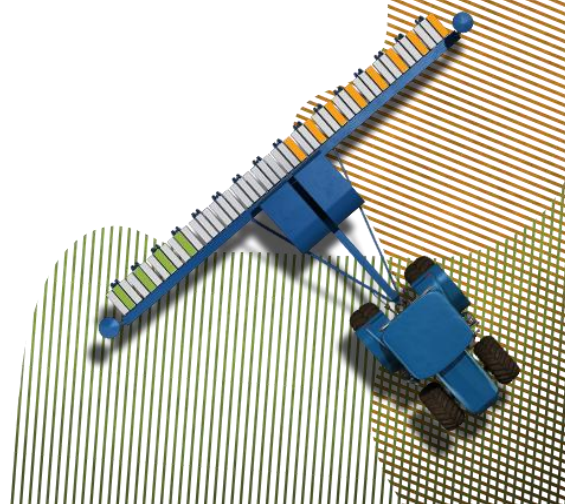
2025 Planting Season



Determine your customer's needs

Before you can create a complete quote for a SmartBox+ system you need to gather the following information from the grower:

- Planter make & model
- Number of rows
- Row unit type
- Central fill: Yes/No
- Supported display options and requirements:
Trimble, AgLeader, John Deere
- Application Intentions: Flat Rate or Variable Rate



General Guidance:

To generate a complete quote for a SmartBox+ system, the following components must be ordered. Find part number details on each of these components in the remainder of this document:

- System kit (*pages 2 and 3*)
 - The system kit contains the following components:
 - ECU
 - Harnessing
 - SmartBox base container, cradle and rain cover
 - Quick attach latches
 - Secondary Transfer Container (to allow product to be transferred from one container to another)
 - Furrow tubing
- Brackets (*page 4*)
 - The brackets mount the SmartBox base unit to the row unit
 - Order the appropriate bracket for the planter model
- Risers (*page 4*)
 - The risers lift the base unit above the bracket, creating clearance for the granular meter
 - Order the appropriate riser for the planter model
- Ladder brackets (*page 4*)
 - The ladder brackets mount the SmartBox base unit to the central fill platform
 - Order the appropriate riser for the planter model
- Drop tubes (*page 5*)
 - The drop tube is a solid tube that mounts on the row unit and delivers product to the furrow, it is connected to the granular meter via a flexible hose
- Calibration kit (*page 5*)
 - The calibration kit is used to calibrate the system
 - Calibration is essential for accurate product placement
- Display harnessing, if needed (*page 6*)
 - Display harnessing must be ordered if the user is using a Trimble display
- Optional (*page 5*)
 - Spare meters
 - Spare row unit harnesses



Choose the System Kit – John Deere with Central Fill

When purchasing a system for John Deere planters that have a central fill system, choose from the following kits.

Select the system kit to match the number of rows on the planter.

These kits shall be ordered for the following planter models:

- 1725 with Max Emerge 5 row units with central fill
- 1775 with Max Emerge 5 row units with central fill
- 1795 with Max Emerge 5 row units with central fill
- All planters with Exact Emerge row units with central fill

The base unit brackets for these row units do not require the standard SmartBox cradle bracket, so these kits have the cradle removed.

However, the ladder brackets for these planters do require the SmartBox cradle bracket, so these are included for the following kits,

System Kits	
Part Number (PN)	Description
SBPS120-RL	SmartBox Plus 12 row JD Exact/Max Emerge, CF system kit
SBPS160-RL	SmartBox Plus 16 row JD Exact/Max Emerge, CF system kit
SBPS240-RL	SmartBox Plus 24 row JD Exact/Max Emerge, CF system kit
SBPS320-RL	SmartBox Plus 32 row JD Exact/Max Emerge, CF system kit
SBPS360-RL	SmartBox Plus 36 row JD Exact/Max Emerge, CF system kit

Notes: Baskets, Risers and Lift switches must be ordered separately, see the following pages



Exact Emerge Row unit

Image credit: JohnDeere.com



Max Emerge5/Max Emerge5e Row unit

Image credit: JohnDeere.com

Choose the system kit - John Deere planter without Central Fill

When purchasing a system for John Deere planters that do not have a central fill system, choose from the following system kits.

Select the system kit to match the number of rows on the planter.

These kits shall be ordered for the following planter models:

- 1725 with Max Emerge 5 row units without central fill
- 1775 with Max Emerge 5 row units without central fill
- 1795 with Max Emerge 5 row units without central fill
- All planters with Exact Emerge row units without central fill

The base unit brackets for these row units do not require the standard SmartBox cradle bracket, so these kits have the cradle removed. Instead, they use the 'RIO' bracket, hence the 'R' part number to denote this.

System Kits – John Deere planter without Central fill	
Part Number (PN)	Description
SBPS120-R	SmartBox Plus 12 row JD Exact/Max Emerge, non-CF system kit
SBPS160-R	SmartBox Plus 16 row JD Exact/Max Emerge, non-CF system kit
SBPS240-R	SmartBox Plus 24 row JD Exact/Max Emerge, non-CF system kit
SBPS320-R	SmartBox Plus 32 row JD Exact/Max Emerge, non-CF system kit
SBPS360-R	SmartBox Plus 36 row JD Exact/Max Emerge, non-CF system kit

Notes: Buckets, Risers and Lift switches must be ordered separately, see the following pages



Exact Emerge Row unit

Image credit: JohnDeere.com



Max Emerge5/Max Emerge5e Row unit

Image credit: JohnDeere.com

Choose the System Kit – John Deere XP, Case, Kinze and Agco system kits:

For John Deere planters with XP row units, Case, Kinze and AgCo branded planters, choose the system kit from the following list.

These kits are suitable for the following planter models:

- John Deere – all planters with XP row units
- Case 800, 900, 1200 and 2100 series
- Kinze – 2000 series, 3000 series and 4900 model

Match the kit to the number of rows on the planter.

System Kits – John Deere XP, Case, Kinze, Agco planters	
Part Number (PN)	Description
SBPS040	SmartBox Plus 4 row system Kit
SBPS060	SmartBox Plus 6 row system Kit
SBPS080	SmartBox Plus 8 row system Kit
SBPS120	SmartBox Plus 12 row system Kit
SBPS160	SmartBox Plus 16 row system Kit
SBPS240	SmartBox Plus 24 row system Kit
SBPS320	SmartBox Plus 32 row system Kit
SBPS360	SmartBox Plus 36 row system Kit

Notes: Baskets, Risers and Lift switches must be ordered separately, see the following pages



John Deere 1770 planter with XP row unit

Image credit: tractorhouse.com



Case 1200 Series planter

Image credit: tractorhouse.com



Case 2100 Series planter

Image credit: tractorhouse.com



Choose the System Kit – Twin Row Planters

For twin row planters choose the system kit from the following list.
Match the kit to the number of rows on the planter.

When purchasing a system for a twin row planter, you must also purchase the twin-row splitter kit, quantity 1 per twin row.

System Kits – Twin Row planters	
Part Number (PN)	Description
SBPS060-TR	SmartBox Plus 6 row twin row system Kit
SBPS080-TR	SmartBox Plus 8 row twin row system Kit
SBPS120-TR	SmartBox Plus 12 row twin row system Kit
SMTR-SK	Splitter kit for Twin Row systems – 1 per twin row

For details on the specific twin row planter models supported, dial 1-888-762-7826 and select option 1 for ordering assistance.

Notes: Baskets, Risers and Lift switches must be ordered separately, see the following pages



Brackets, Ladder Brackets, Risers and Lift Switches

Use the charts below to select the correct bracket and ladder bracket. Be sure to account for the correct number of ladder brackets that are needed. Both row unit brackets and ladder brackets add up to the total number of rows on the planter. Some ladder brackets cover just one row and others cover two.

Example: A John Deere 1775 planter has two different ladder brackets, one for each side of the platform, order 1 of each.

Note: When ordering risers, order the number that matches the number of row units, without ladder brackets.

Example:

$$\begin{array}{r}
 22 \text{ Row unit brackets (order 22 risers)} \\
 + \quad 2 \text{ Ladder brackets (SB016563 \& SB016564) (order 0 risers)} \\
 \hline
 24 \text{ Rows (total 22 risers)}
 \end{array}$$

John Deere						
Model	Row unit	Row unit Bracket PN	Ladder bracket	Ladder rows	Risers	Lift Switch
1775	ME, ME5, EE	SB022106	SB016563 and SB016564	Ladder covers 1 row each	SPLA001	SBBS-17-SB
1795	ME, ME5, EE	SB022106	SB016565 and SB016566	Ladder covers 2 rows each	SPLA001	SBBS-17-SB
1770 CCS	Pro (mini hoppers)	SB012538	SB016563 and SB016564	Ladder covers 1 row each	SPLA001	SBBS-17-SB
	Max Emerge Plus (1.6 Bu box)	No bracket needed		N/A	SPLA-7	SBBS-17-SB
	Exact Emerge Upgrade (JD High Speed)	SB022106	*Dependent on bar type	Ladder covers 1 rows each	SPLA001	SBBS-17-SB
1790 CCS		SB012538	SB016565 and SB016566	Ladder covers 2 rows each	SPLA001	SBBS-17-SB

* The ladder bracket for the 1770 CCS planter with Exact Emerge Row units changes depending upon which bar the planter is equipped with. Contact your STTR for additional information.

Example: Here is another example you might see with Case IH planters.

Example:

$$\begin{array}{r}
 11 \text{ Row unit brackets} \\
 + \quad 1 \text{ Left shift bracket} \\
 \hline
 12 \text{ Rows}
 \end{array}$$

Case IH					
Model	Row unit Bracket PN	Ladder bracket	Ladder rows	Risers	Lift Switch
2100	SB0121500	SB0121500L	Shifts row left of platform to the left. Order 1 Ladder bracket per system, reduce the total number of regular brackets by 1 to compensate.	SB021640	SB010511
1250	SB011252	N/A	No ladder brackets needed	SB021640	SB010511
1255	SB011252	SB021632	Shifts row left of platform to the left. Used in conjunction with SB011252 (order 1 SB021632 in addition to SB011252).	SB021640	SB010511

Other Brands						
Brand	Model	Row unit Bracket PN	Ladder bracket	Ladder rows	Risers	Lift Switch
Kinze	All (except 4900)	Order bracket from Kinze	N/A	N/A	SPLA-7	SB010511
	4900	Order 4900 bracket from Kinze	SB022000	Covers Two Center Rows	SPLA001	SB010511
AGCO	PP Row Unit	Order from AGCO	N/A	N/A	SPLA001	SB010511
	White 9000 VE	Order from AGCO	N/A	N/A	SPLA001	SB010511
Any Brand Planter with 1.6 Bu seed boxes and location for insecticide box:		N/A	N/A	N/A	SPLA-7	SB010511



Select the correct drop tube for the planter (if applicable)

Not all planters require a drop tube.

Note: *In certain terrains where the planter may experience extreme angles (for example where the planter may roll through waterways or ditches) it is recommend to use a flexible hose.*

John Deere			
Model	Row unit	Drop Tube	Ladder Mount Drop Tube
1775/1795	ME, ME5	SB020747-SB	SB020748-SB
1775/1795	EE	SB022136	SB022137
1770 CCS	Pro (mini hoppers)	SB020747-SB	SB020748-SB
	Max Emerge Plus (1.6 Bu box)	SB020747-SB	N/A
	Exact Emerge Upgrade (JD High Speed)	* N/A	SB022137
1790 CCS		SB020747	SB020748-SB
JD Front Mount	Planters using Front Mount brackets	2004 & Older: SB020749-SB 2005 & Newer: SB020754-SB	
All other John Deere models		SB020747-SB	N/A
Case IH			
Model		Drop Tube	
2100		SB020757-SB	
1250		SB020746-SB	
1255		SB020746-SB	
Other Brands			
Brand	Model	Drop Tube	
Kinze	All (except 4900)	SB20750	
Kinze	4900	SB021642	
AGCO	PP Row Unit	N/A	

Drop tubes are not recommended for high-speed planters.

Note: *All Ladder Mount rows require a drop tube, including high speed planters*



Additional components

- The calibration kit is required to complete the calibration process
- It is good practice to recommend a customer purchase additional meters to have on hand to allow a simple switch over in the case a meter becomes blocked and requires additional cleaning
- It is also good practice to recommend the customer purchase additional row unit harnesses, as these often get damaged during operation

Part Number	Description
SMSA200	Calibration Kit
SMMA100-SB	Granular Meter Assembly
SMSE017	Row Unit Harness



When using a Trimble display:

- Purchase a display from the supported displays list, or ensure that the existing display is shown on the supported displays list
- Supported displays:
 - GFX-350
 - GFX-750
 - TMX-1050
 - GFX-1060
 - GFX-1260
- Purchase the Display Cable Kit from Trimble
- Order the unlocks from the table for use with the SmartBox+ system.
 - The following unlocks must be purchased:
 - ISOBUS: Universal Terminal
 - ISOBUS: Task Control
 - The following unlock is optional (for use when the customer is planning on applying prescriptively):
 - Multi-type implement, Prescriptions

Supported Displays	
Part Number	Description
138000-01	GFX-1060
139000-01	GFX-1260

Display Cables	
Part Number	Description
ME0914009	Kit, AMVAC Display Cable

Unlocks	
Part Number	Description
96553-10	License, Display: Multi type implement, ISOBUS Task Controller, No Expiry
96553-12	License, ISOBUS: Universal Terminal
Optional: 96553-07	License, Display: Multi type implement, Prescriptions, No Expiry



When using a non-Trimble display:

- Ensure the display appears on the supported displays list below:
 - AgLeader InCommand
 - John Deere 2630
 - John Deere 4640
- Purchase an appropriate ISO Splitter cable
- For planters smaller than 12 rows, purchase the power harness parts listed in the table
- Ensure the display has the correct unlocks
 - AgLeader InCommand 1200
 - Multi-product
 - John Deere 2630
 - Section Control Unlock
 - Optional if the user wants to use Automatic Section Control
 - John Deere 4600 armrest display
 - Premium unlock
 - Optional if the user wants to use Automatic Section Control
 - John Deere 4640 standalone display
 - Premium Subscription
 - Optional if the user wants to use Automatic Section Control

ISO Splitter cable	
Part Number	Description
AE2738Y	9-Pin ISOBUS Y Cable

Note: this ISO Splitter Cable listed above can be purchased through AgExpress Electronics at the following website:
<https://www.agexpress.com/>

Power Harnessing	
Part Number	Description
SMSE004-SB	Cable Assembly – Power Harness, tractor battery
SMSE005-SB	Cable Assembly – Power Injection Harness
SMSE021-SB	Cable Assembly – Power Extension – 9.1 meters (30 feet)

Note: Power harnessing is only needed on planters less than 12 rows

Unlocks	
Description	
Work with the AgLeader or John Deere dealer to obtain the required unlocks	



Estimate your installation fees

For initial estimates, a suitable rule of thumb is to use 1 hour of installation time per row on the planter for 2 installers.

\$_____ per hour x _____ number of rows X 2 installers = _____

Calibration:

A suitable rule of thumb for calibration is to use 1 hour of calibration for every 12 rows on the planter.

\$_____ per product x _____ number of rows divided by 12, X 2 calibrators = _____

Note: The STTR is available to help guide you through the quoting process. It is suggested that the quote is reviewed with the STTR for accuracy before the initial presentation to the customer.

Sample Quote #1 – Trimble display

Example use for needed parts only. List prices not included.

Sample Quote		
Customer has: John Deere 1775, 16 row, ME, Central Fill Yes, Purchasing Trimble display		
Part Number	Description	Qty
SBPS160-RL	SmartBox Plus 16 row JD Exact/Max Emerge, CF system kit	1
SB022106	SmartBox - Bracket Assembly - John Deere 1775 - ME5, ME or EE Row Units (RIO)	14
SB016563	SmartBox - Ladder Bracket with Slide Tube - John Deere 1770NT/1775 LS	1
SB016564	SmartBox - Ladder Bracket with Slide Tube - John Deere 1770NT/1775 RS	1
SPLA001	5" SMARTBOX PLUS LIFT KIT - covers one row	14
SBBS-17-SB	Lift Switch, John Deere Kit - Bracket-Button-Switch	1
SB020747-SB	Drop Tube - John Deere-Standard Row Unit (Do Not Use with EE Row Units)	14
SB020748-SB	Drop – John Deere – Ladder Mount	2
SMSA200-SB	Calibration kit	1
	SmartBox+ Parts TOTAL	
138000-01	GFX-1060 Display	1
130000-00	Nav-900 Guidance Controller	1
97550-03-00	GFX-1060 and Nav-900 Activation	1
ME0914009	Kit, AMVAC Display Cable	1
96553-10	License, Display: Multi type implement, ISOBUS Task Controller, No Expiry	1
96553-12	License, ISOBUS: Universal Terminal	1
	Display Parts TOTAL	
	Installation services	1
	Calibration services	1

Note: When placing the order with Trimble, be sure to indicate your preferred shipping method.

For example: to ship LTL enter 'LTL-TBD'.

Note: Drop tubes are not recommended for high-speed planters, except on Ladder Mount rows.

Sample Quote #2 – non-Trimble display

Example use for needed parts only. List prices not included.

Sample Quote		
Customer has: John Deere 1775, 16 row, ME, Central Fill Yes, using existing AgLeader Display		
Part Number	Description	Qty
SBPS160-RL	SmartBox Plus 16 row JD Exact/Max Emerge, CF system kit	1
SB022106	SmartBox - Bracket Assembly - John Deere 1775 - ME5, ME or EE Row Units (RIO)	14
SB016563	SmartBox - Ladder Bracket with Slide Tube - John Deere 1770NT/1775 LS	1
SB016564	SmartBox - Ladder Bracket with Slide Tube - John Deere 1770NT/1775 RS	1
SPLA001	5" SMARTBOX PLUS LIFT KIT - covers one row	14
SBBS-17-SB	Lift Switch, John Deere Kit - Bracket-Button-Switch	1
SB020747-SB	Drop Tube - John Deere-Standard Row Unit (Do Not Use with EE Row Units)	14
SB020748-SB	Drop – John Deere – Ladder Mount	2
SMSA200-SB	Calibration kit	1
	SmartBox+ Parts TOTAL	
2001654	Multiple Product Unlock	1
AE2738Y	9-Pin ISOBUS Y Cable	1
	Display Parts TOTAL	
	Installation services*	1
	Calibration services**	1

Note: When placing the order with Trimble, be sure to indicate your preferred shipping method.

For example: to ship LTL enter 'LTL-TBD'.

Note: Drop tubes are not recommended for high-speed planters, except on Ladder Mount rows.

Sample Quote #3 - Twin row planter

Example use for needed parts only. List prices not included.

Sample Quote		
Customer has: John Deere 1705 twin row, 12 row, ME5, Central Fill Yes, using existing John Deere 4640		
Part Number	Description	Qty
SBPS120-TR	SmartBox Plus 12 row twin row system kit	1
SB022106	SmartBox - Bracket Assembly - John Deere 1775 - ME5, ME or EE Row Units (RIO)	12
SMTR-SK	Splitter kit for Twin Row systems – 1 per twin row	12
SPLA-7	7" SMARTBOX PLUS LIFT KIT - covers one row	12
SBBS-17-SB	Lift Switch, John Deere Kit - Bracket-Button-Switch	1
SB020747-SB	Drop Tube - John Deere-Standard Bracket	12
SMSA200-SB	Calibration kit	1
	SmartBox+ Parts TOTAL	
	4640 Premium Subscription	1
AE2738Y	9-Pin ISOBUS Y Cable	1
	Display Parts TOTAL	
	Installation services*	1
	Calibration services**	1

Note: When placing the order with Trimble, be sure to indicate your preferred shipping method. For example: to ship LTL enter 'LTL-TBD'.



CUSTOMER QUOTE

Customer: _____ Tractor Type: _____ Date: _____

Part Number	Description	Quantity	List Price \$(USD)	Total
	SmartBox _____ Row System Kit		\$	\$
	Row Unit Bracket Assembly		\$	\$
	Ladder Bracket*		\$	\$
	Risers		\$	\$
	Lift Switch		\$	\$
	Drop Tubes		\$	\$
	Calibration Kit		\$	\$
	Parts Total			\$
	Display Kit		\$	\$
	Unlocks		\$	\$
	Display accessories		\$	\$
	Display Total			\$
	Installation services	1	\$	\$
	Calibration services	1	\$	\$
	Total			\$
	Your Cost Per Row:		\$	

**If there is a central fill platform on the planter, order the appropriate ladder bracket(s) to ensure that if it covers 2 rows, only 1 is needed.*