



2019 USA SMARTBOX® SYSTEM PRICING

Legacy to Gen II Upgrade

Effective Date: July 1, 2018

SmartBox® Legacy to Gen II Upgrade Pricing Chart

Legacy to GENERATION II System Upgrade with Meters			
Rows	Price	Rows	Price
4	\$3,735.00	24	\$8,365.00
8	\$4,545.00	32	\$9,985.00
12	\$5,355.00	36	\$10,935.00
16	\$6,165.00	48	\$13,365.00

Legacy to GENERATION II System Upgrade without Meters			
Rows	Price	Rows	Price
4	\$2,925.00	24	\$3,505.00
8	\$2,925.00	32	\$3,505.00
12	\$2,925.00	36	\$3,645.00
16	\$2,925.00	48	\$3,645.00

UPGRADE NOTE:

- When the Gen II was introduced it required new electronics to use the added functions that are available in the Gen II controller. Using Legacy meters in an upgrade is Not Recommended. Features available in the Gen II controller will not function with Legacy meters.
- Upgrade Includes: Controller Mounting Kit, Controller, Manual, Controller Pigtail, Distribution Box, Tractor Harness, Planter Harness, Row Harness Adaptor, Lift Switch Cable, Cable Ties and GPS.
- Meter Kit Includes: Meter, Meter Gasket, Calibration Bottle and Silicone.
- Items not included will be base units, cradles, rain covers, and row wire harness.

ORDERING PROCEDURE:

- Order your SmartBox Legacy to Gen II Upgrade by calling 1-888-SMARTBOX (1-888-762-7826) and select Option #1 to reach World Class Industries.
- Your authorized chemical retailer, authorized equipment dealer, or local AMVAC Sales Representative can also provide information and assistance.
- Upgrade pricing includes shipping to locations in USA. (excluding AK & HI)
- All orders are subject to Sale Tax unless a Sales Tax Exemption form is filled out and submitted with payment.
- Acceptance of orders are subject to the availability of SmartBox Systems and may be changed, modified, or cancelled at any time.

TERMS:

- Payment must be received prior to shipping of the SmartBox Upgrade kit.
- Please make any checks payable to AMVAC Chemical Corporation.
- Payment must be received within 30 days of placing the order or the order is subject to cancellation.
- For alternative payment options please contact World Class Industries at 1-888-SMARTBOX (1-888-762-7826) and select Option #1
- Prices may be changed at any time without further notice. AMVAC® reserves the right to change our product's prices at any time without further notice. However, if you have ordered, but not yet paid for a product, we guarantee the price for one month from when the order was placed.

SmartBox® is a patented closed application and handling system and must be used only with authorized granular soil insecticides packaged from the factory in SmartBox transfer containers. Products available in SmartBox Transfer containers are Aztec® 4.67G, Aztec® HC, Counter® 20G, Force® 3G, SmartChoice® 5G, SmartChoice® HC and Thimet® 20G.

For further details, please contact your local AMVAC sales representative at www.Amvac-chemical.com or www.AmvacSmartBox.com.

Aztec 4.67G, Aztec HC, Counter 20G, Force 3G, SmartChoice 5G SmartChoice HC, and Thimet 20G are Restricted Use Pesticides. AMVAC, Aztec, Counter, SmartBox, SmartChoice and Thimet are registered trademarks of AMVAC Chemical Corporation. Force is a registered trademark of Syngenta Group and Kinze is a registered trademark of Kinze Manufacturing, Inc.

Notes on Meter History and Legacy to Gen II Updates

Smart Legacy systems were introduced by DuPont in 1998. The systems were produced by Ingersoll Dresser and the meters had an Ingersoll Dresser label. When AMVAC started building meters for the SmartBox system we started using a Yellow label on the meters. Larry Conrad began a rebuilding program during the early 2000's to fill a void in the ability to supply meters for a faster than expected growing market. Larry's rebuilt meters had a variety of different color labels on his rebuilt meters. When a meter failed or saw no flow on a Legacy controller a pop up screen showed up on the controller along with an audible alarm to denote a problem on a specific row.

The Gen II controller was first launched for use in the 2013 crop. The Gen II controller had features not previously available on the Legacy system. The new controller had constant meter status in the lower left hand corner of the screen. The meter status was color coded. Green = OK, Yellow = NO FLOW, Red= NO COMMUNICATION, Black = METER OFF by lift switch and on later versions equipped with row command and Blue = the meter was in a programming update. Also included in the Gen II update was the ability to set up GROUPING so each meter could be set to a specific rate for that row. Grouping allowed growers the ability to set rates row by row. This was useful for seed production and product comparison. Included in the Gen II system was the ability to upgrade the software and also upgrade the meter software. The meters used on the 2013 systems had a green label which had the new circuit board to run the new programming.

2014 or 15 Green meters had a change in the circuit board that allowed meters to be controlled off and on by a GPS command by wiring them into the planter GPS control circuit.

2016 the meter label changed to Red to identify a new meter. In 2016 the meter operation was changed so HC products could be better applied at a lower rate. Included in the red meters was the internal diffuser that would interrupt the pulses of the meter to give a more even application flow of the HC products. The internal diffuser also worked well to smooth out the flow on higher use products eliminating the need for the in hose diffuser.

2017 was the introduction of the Blue label meter that had a bar code printed on the label. From the bar code we can determine when and who assembled the meter.

Legacy systems used in your territory were produced between 1996 and 2012. Depending on when meters failed the replacement meters may be a mix of all types.

Legacy meters will work on Gen II systems. When I put a yellow meter in the system and boot up the system during the meter check the proper meters show up with a green bar and the Legacy meters show up with a black bar. When I operate the lift switch I get incorrect color code when the lift switch is deactivated. The Gen II meter goes to a BLACK code and when the lift is deactivated and the YELLOW meter stays green. With a mix of meter types in the system I will briefly get a blue code during operation.

Sometimes the system will try to upgrade the yellow meter and will be unable to change the programming because the yellow meter programming cannot be updated.

When I go to grouping it appears that I can use multiple rates but the Yellow meters will not change from the default rate.

As you can see legacy meters on a Gen II system will cause service questions/problems and grower frustration. The only case where an Upgrade without meters will work would be on a grower that has upgraded to HC meters, Red or Blue labels.

Upgrade systems are sold as parts and will not qualify for rebates.

With the newest Legacy system being 6 years old and others older the best service to your grower would be a new system where rebates will apply.