



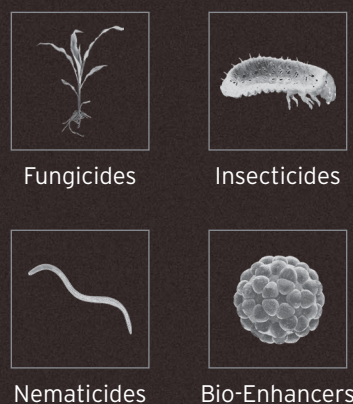
Two Exciting Changes for This Year

Elevate your potential with coverage on four fronts.

Diseases. Insects. Nematodes. Moisture or nutrient stress. Protect your customers from those unpredictable, yield-limiting threats with the Acceleron® portfolio. Acceleron products deliver coverage on four fronts, helping crops rise out of the ground strong, healthy and ready for whatever the season has in store.

Look for the Bio-Enhancers you trust, under our new brand name.

Optimize®, QuickRoots®, TagTeam® and other Monsanto BioAg™ technologies will now be offered under the Acceleron® BioAg brand.



Upgrade Offering

Products With NEMASTRIKE™ TECHNOLOGY

Nematodes cost an estimated 10.2% yield loss in corn—and they're getting away with it.^[1] Strike back with NemaStrike™ Technology—a seed treatment technology delivering broad-spectrum control that stays in the root zone for up to 75 days, protecting yields.

AVG. YIELD PROTECTION ADVANTAGE



Over Acceleron® Seed Applied Solutions Base Offering^[2]
N = 140 Trials

1. Nationwide estimated loss. Ferris, Howard. "Nematodes and Plant Damage." University of California, 1 Oct. 2015. Web.
2. 4-Year Average Yield Protection Advantage over control, across all locations and thresholds. N=140 Trials (2014, 2015, 2016, 2017) (AR, GA, IL, IN, IA, KS, KY, MD, MI, MN, MS, MO, NE, NC, ND, OH, SC, SD, TN, TX, VA, WI). Results will vary based on nematode pressure in each field.

Protection and Support for Corn

CORN WITH SMARTSTAX® TECHNOLOGY

ACCELERON BASIC
plus Poncho/VOTIVO®

Fungicides, Insecticides, Nematicides, Bio-Enhancers

NEMATODE PROTECTION/INSECTICIDE
Protection against damage from a wide range of nematode species, as well as clothianidin at 0.500 mg/seed rate, which provides protection from early season pests, such as wireworm, seedcorn maggot, white grub, grape colaspis, and black cutworm

FUNGICIDES
Protection against soil and seedborne diseases, including *Fusarium*, *Rhizoctonia solani* and *Pythium*

ACCELERON ELITE
plus Poncho/VOTIVO®

Fungicides, Insecticides, Nematicides, Bio-Enhancers

ENHANCED DISEASE CONTROL OFFERING
Enhanced early- to mid-season disease control due to the reduction of infections caused by *Fusarium*, *Rhizoctonia solani* and *Colletotrichum graminicola*

NEMATODE PROTECTION/INSECTICIDE
Protection against damage from a wide range of nematode species, as well as clothianidin at 0.500 mg/seed rate, which provides protection from early season pests, such as wireworm, seedcorn maggot, white grub, grape colaspis, and black cutworm

FUNGICIDES
Protection against soil and seedborne diseases, including *Fusarium*, *Rhizoctonia solani* and *Pythium*

BIORISE™ 2 CORN OFFERING^[3]

CORN WITHOUT SMARTSTAX® TECHNOLOGY

ACCELERON BASIC

Fungicides, Insecticides, Nematicides, Bio-Enhancers

INSECTICIDE
Clothianidin at 0.250 mg/seed rate: Protection from early season pests, such as wireworm, seedcorn maggot, white grub, grape colaspis, and black cutworm

FUNGICIDES
Protection against soil and seedborne diseases, including *Fusarium*, *Rhizoctonia solani* and *Pythium*

ACCELERON ELITE

Fungicides, Insecticides, Nematicides, Bio-Enhancers

ENHANCED DISEASE CONTROL OFFERING
Enhanced early- to mid-season disease control due to the reduction of infections caused by *Fusarium*, *Rhizoctonia solani* and *Colletotrichum graminicola*

INSECTICIDE
Clothianidin at 0.250 mg/seed rate: Protection from early season pests, such as wireworm, seedcorn maggot, white grub, grape colaspis, and black cutworm

FUNGICIDES
Protection against soil and seedborne diseases, including *Fusarium*, *Rhizoctonia solani* and *Pythium*

BIORISE™ 2 CORN OFFERING^[3]

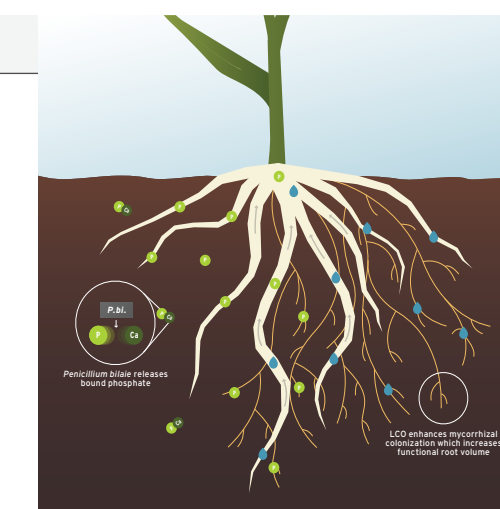
3. Class of 2017, 2018, 2019 base genetics are treated with BioRise™ 2 Corn Offering, which contains Acceleron® B-300 SAT and Acceleron® B-360 ST.

SEAMLESS CORN OFFERING^[3]

BioRise™ 2 Corn Offering^[4] is a powerful pair of Bio-Enhancer products that complement our lineup of fungicides, insecticides and nematicides. This offering contains two separate but powerful products—Acceleron® B-300 SAT and Acceleron® B-360 ST.

Acceleron® B-300 SAT (*Penicillium bilaiae*) releases phosphate bound in the soil, making it available to the plant.

Acceleron® B-360 ST (LCO SP104) is designed to enhance mycorrhizal colonization which increases functional root volume, and increases water and nutrient uptake through the roots.^[5] Studies demonstrated that Acceleron® B-360 ST increased mycorrhizal colonization by 85.1%.^[6] Increased nutrient availability and nutrient/water uptake increases yield potential.



ADDITIONAL CORN OFFERINGS

QuickRoots® Technology helps maximize your corn yields—especially in fields with limitations in moisture or nutrient availability. The microbes in QuickRoots® Technology help increase availability and uptake of nitrogen, phosphate and potassium. The availability of additional N, P and K supports development of bigger roots which helps increase uptake of moisture and nutrients to enable better plant growth and increased yield potential.

Protection and Support for Cotton

CORN WITHOUT SMARTSTAX® TECHNOLOGY

ACCELERON BASIC

Fungicides, Insecticides, Nematicides, Bio-Enhancers

INSECTICIDE
Clothianidin at 0.250 mg/seed rate: Protection from early season pests, such as wireworm, seedcorn maggot, white grub, grape colaspis, and black cutworm

FUNGICIDES
Protection against soil and seedborne diseases, including *Fusarium*, *Rhizoctonia solani* and *Pythium*

ACCELERON ELITE

Fungicides, Insecticides, Nematicides, Bio-Enhancers

ENHANCED DISEASE CONTROL OFFERING
Enhanced early- to mid-season disease control due to the reduction of infections caused by *Fusarium*, *Rhizoctonia solani* and *Colletotrichum graminicola*

INSECTICIDE
Clothianidin at 0.250 mg/seed rate: Protection from early season pests, such as wireworm, seedcorn maggot, white grub, grape colaspis, and black cutworm

FUNGICIDES
Protection against soil and seedborne diseases, including *Fusarium*, *Rhizoctonia solani* and *Pythium*

BIORISE™ 2 CORN OFFERING^[3]

3. Class of 2017, 2018, 2019 base genetics are treated with BioRise™ 2 Corn Offering, which contains Acceleron® B-300 SAT and Acceleron® B-360 ST.

ACCELERON BASIC



FUNGICIDES
Protection against *Rhizoctonia solani*, *Pythium*, *Fusarium*, and *Thielaviopsis basicola* from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions

ACCELERON STANDARD^[1]



INSECTICIDE
Reduces damage to cotton caused by early season insect pests, including thrips and aphids

FUNGICIDES
Protection against *Rhizoctonia solani*, *Pythium*, *Fusarium*, and *Thielaviopsis basicola* from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions

ACCELERON ELITE NEMASTRIKE™



NEMATODE CONTROL
Up to 75 days of broad-spectrum control of plant-parasitic nematodes that includes, but is not limited to, Root-Knot, Columbia Lance, and Reniform

INSECTICIDE
Reduces damage to cotton caused by early season insect pests, including thrips and aphids

FUNGICIDES
Protection against *Rhizoctonia solani*, *Pythium*, *Fusarium*, and *Thielaviopsis basicola* from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions

ADDITIONAL OFFERINGS

Bio-Enhancers:
QuickRoots® Technology

ADDITIONAL COTTON OFFERINGS

QuickRoots® Technology helps maximize your cotton yields—especially in fields with limitations in moisture or nutrient availability. The microbes in QuickRoots® Technology help increase availability and uptake of nitrogen, phosphate and potassium. The availability of additional N, P and K supports development of bigger roots which helps increase uptake of moisture and nutrients to enable better plant growth and increased yield potential.

3. Class of 2017, 2018, 2019 base genetics are treated with BioRise™ 2 Corn Offering, which contains Acceleron® B-300 SAT and Acceleron® B-360 ST.
4. BioRise™ 2 Corn Offering is the on-seed application of the separately registered products Acceleron® B-300 SAT and Acceleron® B-360 ST.
5. <http://www.mdpi.com/2073-4395/7/1/75>
6. 2017 Monsanto/Novozymes Growth Chamber Trials
7. Some products may also be treated with Poncho®/VOTivo®

Protection and Support for Soybeans



<p>FUNGICIDES Protection against <i>Pythium</i>, early season <i>Phytophthora</i>, <i>Rhizoctonia solani</i> and <i>Fusarium</i> from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions</p>	<p>FUNGICIDES Protection against <i>Pythium</i>, early season <i>Phytophthora</i>, <i>Rhizoctonia solani</i> and <i>Fusarium</i> from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions</p>	<p>FUNGICIDES Protection against <i>Pythium</i>, early season <i>Phytophthora</i>, <i>Rhizoctonia solani</i> and <i>Fusarium</i> from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions</p>	<p>FUNGICIDES Protection against <i>Pythium</i>, early season <i>Phytophthora</i>, <i>Rhizoctonia solani</i> and <i>Fusarium</i> from an exclusive combination of fungicides and more rapid and increased emergence of seedlings under certain cold conditions</p>
<p>INSECTICIDE Protection from pests including bean leaf beetles, early season soybean aphids, and seedcorn maggots</p>	<p>INSECTICIDE Protection from pests including bean leaf beetles, early season soybean aphids, and seedcorn maggots</p>	<p>INSECTICIDE Protection from pests including bean leaf beetles, early season soybean aphids, and seedcorn maggots</p>	<p>INSECTICIDE Protection from pests including bean leaf beetles, early season soybean aphids, and seedcorn maggots</p>
<p>NEMATODE CONTROL Up to 75 days of broad-spectrum control of plant-parasitic nematodes that includes, but is not limited to, SCN, Root-Knot, and Reniform</p>	<p>NEMATODE CONTROL Up to 75 days of broad-spectrum control of plant-parasitic nematodes that includes, but is not limited to, SCN, Root-Knot, and Reniform</p>	<p>NEMATODE CONTROL Up to 75 days of broad-spectrum control of plant-parasitic nematodes that includes, but is not limited to, SCN, Root-Knot, and Reniform</p>	<p>NEMATODE CONTROL Up to 75 days of broad-spectrum control of plant-parasitic nematodes that includes, but is not limited to, SCN, Root-Knot, and Reniform</p>
<p>Bio-Enhancers: Acceleron® B-200 SAT, TagTeam® LCO XC, Optimize® XC and QuickRoots® Technologies</p>	<p>Dry Seed Finisher: Acceleron® E-007 SAT</p>	<p>SDS Protection: iLeVO®</p>	

ADDITIONAL SOYBEAN OFFERINGS

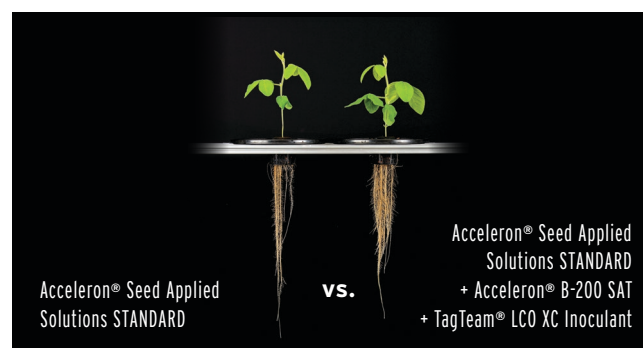
Acceleron® E-007 SAT is a finishing product for soybeans that enhances seed coating and appearance, and improves seed flow through seed handling and planting equipment.

Acceleron® B-200 SAT is a product for soybeans containing plant-derived flavonoids to help enhance nutrient uptake.

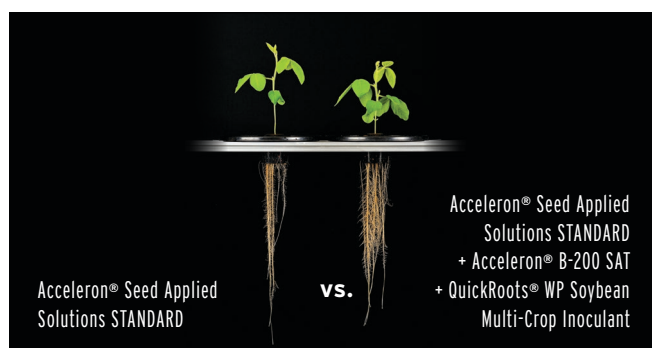
Optimize® XC and TagTeam® LCO XC Technologies are dual- and triple-action soybean inoculants that provide enhanced nutrient capabilities with the industry's lowest application rate of just 0.75 fl oz per unit of seed!⁸

QuickRoots® Technology helps maximize your soybean yields—especially in fields with limitations in moisture or nutrient availability. The microbes in QuickRoots Technology help increase availability and uptake of nitrogen, phosphate and potassium. The availability of additional N, P and K supports development of bigger roots which helps increase uptake of moisture and nutrients to enable better plant growth and increased yield potential.

iLeVo® is the first and only solution for Sudden Death Syndrome.

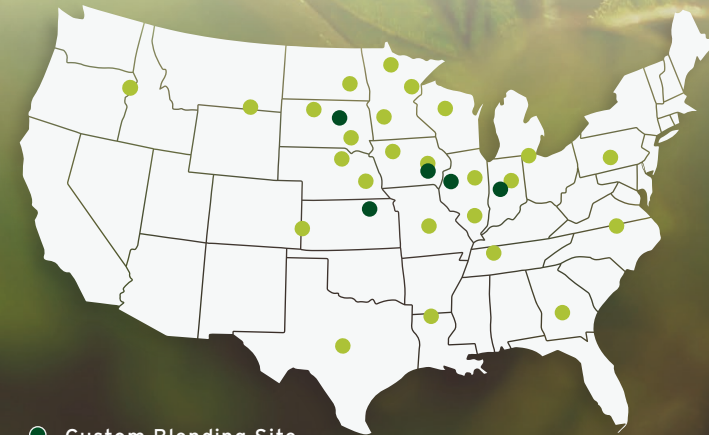


8. 0.75 fl oz per unit of seed with minimum of 1.5 fl oz total volume with water when applied alone



Service and Support That Help You Rise to Your Fullest Potential

CUSTOM BLENDING SITES AND FIELD SUPPORT FOR ENHANCED SERVICE



- Custom Blending Site
- Acceleron® Sales Manager

A DEDICATED SALES TEAM

For 2019, we have 25 sales managers—the largest team of dedicated seed applied solutions sales managers in the industry and they're here to give you the support you need to run your business.

CUSTOM BLENDED PRODUCTS IN LESS TIME

Your customers care about performance. You care about quality. With real-time product blending at our five custom blending sites, we deliver on both—in less time. You get combinations of advanced products, when you need them, so you can get the job done right.

PRICING AND PROGRAMS

Acceleron® brand offers a range of programs to seed dealers to help maximize your margins and increase customer value.

Early Order Program – Receive a 6% discount on all orders placed by October 15, 2018

- Existing customers must order a minimum of 70% of the prior year's volume to qualify.
- New customers must order a minimum of 30 gallons to qualify.
- Continued for 2019: Qualify for the Early-Order Program and receive a 6% rebate on all order adjustments made between October 15, 2018, and February 15, 2019. Must maintain 70% of the prior year's volume to qualify.

NemaStrike™ Technology Adoption Program – Receive a 10% discount on all Acceleron® Seed Applied Solutions tier offerings when 25% of the order volume is placed in the Acceleron® brand STANDARD FN and/or Acceleron® brand ELITE tiers.

- Existing customers must order 70% of prior year's volume to qualify.
- New customers must order a minimum of 30 gallons to qualify.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

FOR CORN, EACH ACCELERON® SEED APPLIED SOLUTIONS OFFERING is a combination of separate individually registered products containing the active ingredients: BASIC plus Poncho®/VOTIVO® Offering for corn with SmartStax® Technology; metalaxyl, prothioconazole, fluoxastrobin, clothianidin, Bacillus firmus H582, ELITE plus Poncho®/VOTIVO® Offering for corn with SmartStax® Technology; metalaxyl, clothianidin and Bacillus firmus H582; prothioconazole and fluoxastrobin at rates that suppress additional diseases. BASIC Offering for corn without SmartStax® Technology; metalaxyl, prothioconazole, fluoxastrobin, and clothianidin. ELITE Offering for corn without SmartStax® Technology; metalaxyl, prothioconazole and fluoxastrobin at rates that suppress additional diseases. Acceleron® B-300 SAT and Acceleron® B-360 ST are included seamlessly across offerings on all class of 2017, 2018, and 2019 products. For corn with SmartStax® Technology, the upgrade offering of Acceleron NemaStrike ST does not include Poncho®/VoTivo® and the offering instead contains clothianidin at the 0.500 mg/seed rate.

FOR SOYBEANS, EACH ACCELERON® SEED APPLIED SOLUTIONS OFFERING is a combination of separate individually registered products containing the active ingredients: BASIC Offering; metalaxyl, flupyrroxad, and pyraclostrobin. STANDARD Offering; metalaxyl, flupyrroxad, pyraclostrobin, and imidacloprid. STANDARD FN Offering; metalaxyl, flupyrroxad, pyraclostrobin, and thiazafen. ELITE Offering; metalaxyl, flupyrroxad, pyraclostrobin, imidacloprid, and thiazafen. Upstream Treatment Offerings Only: Acceleron® B-200 SAT is included seamlessly in the Acceleron® Seed Applied Solutions STANDARD FN and ELITE tiers.



FOR COTTON, EACH ACCELERON® SEED APPLIED SOLUTIONS OFFERING is a combination of separate individually registered products containing the active ingredients: BASIC Offering; metalaxyl, flupyrroxad, myclobutani, and pyraclostrobin. STANDARD Offering; metalaxyl, flupyrroxad, pyraclostrobin, myclobutani, and imidacloprid. ELITE Offering; metalaxyl, flupyrroxad, pyraclostrobin, myclobutani, imidacloprid, thiazafen.

Always read and follow IRM, where applicable, grain marketing and all other stewardship practices and pesticide label directions.

The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Not all products are approved in all states. Please visit <http://acceleronsas.com/stateapprovals> regarding the approval status of Acceleron® B-360 ST and products containing NemaStrike™ Technology for application to seeds in your state.

Acceleron®, BioRise™, Monsanto BioAg and Design™, NemaStrike™, Optimize®, SmartStax®, QuickRoots® and TagTeam® are trademarks of Monsanto Technology LLC. iLeVO®, Poncho® and VOTIVO® are registered trademarks of Bayer. ©2018 Monsanto Company All Rights Reserved



2019 OFFERINGS

- FUNGICIDES
- INSECTICIDES
- NEMATICIDES
- BIO-ENHANCERS

AcceleronSAS.com