











# PERFORMANCE In Every Pass

## CROP YEAR 2027 KEY PRODUCTS

PRODUCT		USE RATE	
NUTRIENT USE EFFICIENCY	 <small>AMS A NON-IONIC SURFACTANT WITH NUTRIENT RELEASE &amp; RESIDUE BREAKDOWN</small>   	<b>Excavator® AMS + CycleStrike™ LR + BioFlex™</b> Excavator AMS + CycleStrike + BioFlex is an all-in-one blend of water conditioning agent (ammonium sulfate) and surfactants that aids in fertility, nutrient release and residue breakdown. CycleStrike™ LR uses microbes to speed nutrient release and residue breakdown, delivered through Bio-Capsule™ Technology to keep microbes active and alive until use. BioFlex is a specialty water pre-treatment that neutralizes the negative effects chlorine has on biological ingredients.	Excavator AMS: 32 oz/A Cyclestrike LR: 0.10 oz/A BioFlex: 2-4 fl oz/100 gal water
		<b>Maintain® Elite</b> Maintain Elite utilizes an improved formulation to extend nitrogen availability and uptake in addition to reducing nitrogen loss. Maintain Elite provides more calcium and enhanced polymer technology. It is intended for use as an additive to anhydrous ammonia and liquid fertilizer applied below ground.  <b>THE ONLY MICROBE FRIENDLY NITROGEN MANAGEMENT SYSTEM</b>	NH <sub>3</sub> : 6 oz/50 units N up to max of 24 oz/A Liquid Fertilizer: 2 qts/ton UAN Liquid Manure: 24-32 oz/A
		<b>N-Gear® Dual Action</b> N-Gear Dual Action gives you flexibility of both above and below ground nitrogen protection. N-Gear Dual Action is specifically formulated for use in urea and UAN scenarios.  <b>THE ONLY MICROBE FRIENDLY NITROGEN MANAGEMENT SYSTEM</b>	UREA (46-0-0): 2-3qts/ton urea UAN Solutions (28-32%): 1.5 qt/ton total solution Liquid Manure: 13.5-18 oz/A
	 <small>DRY FERTILIZER ADDITIVE</small> 	<b>Fuel-Line™ powered by Ether™</b> Fuel-Line is a fertilizer biological enhancement specifically formulated for impregnation on dry fertilizer blends. It contains micronutrients and enzymes that help growers get more out of their applied P and K fertilizers.	2 qt/ton (dry product)

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CROP PERFORMANCE

PRODUCT		USE RATE
	<b>Hopper Throttle® MaxStax™ Soybeans with Ether™ + Protectis™ + BorneX™ + GuardC™</b> <i>COPACK</i> <b>+ Metalaxyl ST + Prephyte™ ST*</b> HT MaxStax Soybean copack is powered by Meristem’s patented Bio-Capsule Technology giving farmers an easy-to-use system to deliver multiple, EPA-registered controls & other inputs via seed fluency. The copack includes the Metalaxyl ST, Prephyte ST and BorneX biofungicides, GuardC bionematicide, Protectis <i>beauveria bassiana</i> microbe, Revline biostimulant, N-fixing microbes and trichoderma, and multi-strain <i>bradyrhizobia</i> inoculant in addition to the base pail of seed fluency and IonLock™ Zn, Fe & Mn with Ether Enzyme Technology and active carbon.	SOYBEANS: 40 units
	<b>Hopper Throttle® Soybean F&amp;I with Protectis™ + Metalaxyl ST + Prephyte™ ST*</b> <i>COPACK</i> HT Soybean F&I has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, in addition to four Bio-Capsules: a multi-strain <i>bradyrhizobia</i> inoculant, Metalaxyl ST, Prephyte ST biofungicide and Protectis <i>beauveria bassiana</i> microbe.	SOYBEANS: 40 units
	<b>Hopper Throttle® Soybean with BorneX™ + GuardC™ + Prephyte™ ST*</b> <i>COPACK</i> HT Soybean with BorneX + GuardC + Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, in addition to three Bio-Capsules: Prephyte ST and BorneX biofungicides, and GuardC bionematicide.	SOYBEANS: 40 units
	<b>Hopper Throttle® Soybean with Protectis™ + Metalaxyl ST*</b> <i>COPACK</i> HT Soybean has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, in addition to two Bio-Capsules: Metalaxyl ST fungicide and Protectis <i>beauveria bassiana</i> microbe.	SOYBEANS: 40 units
	<b>Revline® Hopper Throttle® Soybean Ether™</b> RHT Soybean Ether has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, plus active carbon. It holds four Bio-Capsules containing: <i>Bradyrhizobium</i> inoculant, biofertility & N-fixing microbes, Revline biostimulant, and the Ether Enzyme Technology lipase & mannanase combo.	SOYBEANS: 40 units
	<b>Revline® Hopper Throttle® Cotton</b> RHT Cotton has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients. It holds three Bio-Capsules containing: active carbon, cotton-specific Revline biostimulant, and biofertility & N-fixing microbes.	COTTON: 20 units
	<b>Revline® Hopper Throttle® Dry Bean with Prephyte™ ST*</b> RHT Dry Bean has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients. It holds three Bio-Capsules containing: Prephyte ST biofungicide, industry-leading <i>Rhizobium</i> inoculant, Revline biostimulant, and biofertility & N-fixing microbes.	DRY BEAN: 40 units
	<b>Revline® Hopper Throttle® Peas &amp; Lentils</b> RHT Peas & Lentils has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients. It holds three Bio-Capsules containing: <i>Rhizobium Leguminosarum Biovar Viciae</i> inoculant, Revline biostimulant, and biofertility & N-fixing microbes.	PEAS & LENTILS: 40 acres
	<b>Revline® Hopper Throttle® Small Grains</b> RHT Small Grains has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients. It holds two Bio-Capsules containing: Revline biostimulant and biofertility & N-fixing microbes..	SMALL GRAINS: 140 acres
	<b>Revline® Hopper Throttle® Sugarbeets with Protectis™ + GuardC™ + Prephyte™ ST*</b> <i>COPACK</i> RHT Sugarbeet with Protectis + GuardC + Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, plus active carbon. It holds five Bio-Capsules: the sugarbeet-specific Revline biostimulant strain, biofertility and N-fixing microbes, Protectis <i>beauveria bassiana</i> microbe, and two EPA-registered actives: GuardC bionematicide and Prephyte ST biofungicide.	SUGARBEET: 10 boxes

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 \*BorneX EPA Reg No.: 92311-6-94485 | GuardC: FIFRA 25b Exempt Product | Guard M EPA Reg. No.: 89600-8-94485 | GuardX EPA Reg No.: 95699-2-95552 |  
 Metalaxyl ST EPA Reg No.: 94485-8 | PowerGuard EPA Reg No.: 95699-1-95552 | Prephyte ST EPA Reg No.: 94485-5-95552

PRODUCT		USE RATE
	<p><b>Hopper Throttle® MaxStax™ Corn with Ether™ + Protectis™ + GuardC™ + GuardX™ + Prephyte™ ST*</b> <span style="float: right;">COPACK</span></p> <p>HT MaxStax Corn copack is powered by Meristem's patented Bio-Capsule Technology giving farmers an easy-to-use system to deliver multiple, EPA-registered controls &amp; other inputs via seed fluency. The copack includes the Prephyte ST biofungicide, GuardX bioinsecticide, GuardC bionematicide, Protectis <i>beauveria bassiana</i> microbe, Revline biostimulant and N-fixing microbes, in addition to the base pail of seed fluency and IonLock™ Zn, Fe &amp; Mn with Ether Enzyme Technology and active carbon.</p>	CORN: 50 units
	<p><b>Hopper Throttle® Corn with GuardX™ + PowerGuard™ + Prephyte™ ST *</b> <span style="float: right;">COPACK</span></p> <p>HT Corn with GuardX + Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn &amp; Fe for seed fluency and micronutrients. It holds three Bio-Capsules containing three EPA-registered actives: GuardX insecticide, PowerGuard biofungicide and Prephyte ST biofungicide.</p>	CORN: 50 units
	<p><b>Hopper Throttle® Corn with GuardX™ + Prephyte™ ST *</b> <span style="float: right;">COPACK</span></p> <p>HT Corn with GuardX + Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn &amp; Fe for seed fluency and micronutrients. It holds two Bio-Capsules containing two EPA-registered actives: GuardX insecticide and Prephyte ST biofungicide.</p>	CORN: 50 units
	<p><b>Revline® Hopper Throttle® Corn Ace Ether™ with Prephyte™ ST*</b> <span style="float: right;">COPACK</span></p> <p>RHT Corn Ace Ether with Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn &amp; Fe for seed fluency and micronutrients, plus active carbon. It holds three Bio-Capsules containing: Revline biostimulant, Ether Enzyme Technology lipase &amp; mannanase combo that jumpstarts microbial activity, and the EPA-registered Prephyte ST biofungicide.</p>	CORN: 50 units
	<p><b>Revline® Hopper Throttle® Corn Ether™</b></p> <p>RHT Corn Ether has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn &amp; Fe for seed fluency and micronutrients, plus active carbon. It holds three Bio-Capsules containing: biofertility &amp; N-fixing microbes, Revline biostimulant, and the Ether Enzyme Technology lipase &amp; mannanase combo.</p>	CORN: 50 units
	<p><b>Hopper Throttle® Organic Corn + GuardM™ + Prephyte™ ST *</b> <span style="float: right;">COPACK</span></p> <p>HT Organic Corn with GuardM + Prephyte ST has an 80/20 talc/graphite base for seed fluency with kelp extract and humic acid to improve plant health and enhance nutrient utilization in the soil. It holds two Bio-Capsules containing two EPA-registered actives: GuardM insecticide and Prephyte ST biofungicide.</p>	CORN: 50 units
	<p><b>Upshift® C Pro powered by Ether™</b></p> <p>Upshift C Pro is an 11-56-0 concentrated starter fertilizer that enhances nutrient availability and early plant establishment using Ether Enzyme Technology. It includes chelated zinc to improve nutrient balance and enzyme activity. Its enzyme system releases sugars and phosphorus from soil sources, activates the rhizosphere, and improves nutrient uptake. The fulvic fraction enhances nutrient solubility and helps plants tolerate early-season abiotic stress, supporting stronger growth. It can also be used in foliar applications or as a pH buffer.</p>	@ Plant: 2.5 lb/A Foliar: 1-4 lb/A pH Buffer: 0.5/ lb/100 gal water
	<p><b>Upshift® C+K Pro powered by Ether™</b></p> <p>Upshift C+K Pro powered by Ether Enzyme Technology is a concentrated starter fertilizer that increases phosphate and potash availability, increases nutrient and water availability and boosts plant growth, while maximizing microbial activity. It can also be used in foliar applications or as a pH buffer.</p>	@ Plant: 2.5 lb/A Foliar: 1-4 lb/A pH Buffer: 0.5/ lb/100 gal water
	<p><b>IonLock™ Zn-C+ powered by Ether™</b></p> <p>IonLock Zn-C+ powered by Ether combines 80/20 talc/graphite and micronutrients, while delivering concentrated Zinc in-furrow – creating a premium seed fluency agent. Through IonLock Technology's micronutrient encapsulation, singulation and retention of micronutrients is increased. The Ether Enzyme Technology lipase &amp; mannanase &amp; active carbon combo accelerates the plant's uptake of water and nutrients, unlocks nutrients already in the soil and kickstarts microbial activity around the root zone.</p>	CORN: 50 units
	<p><b>IonLock™ Zn-C+</b></p> <p>IonLock Zn-C+ combines 80/20 talc/graphite and micronutrients, while delivering concentrated Zinc in-furrow – creating a premium seed fluency agent. Through IonLock Technology's micronutrient encapsulation, singulation and retention of micronutrients is increased.</p>	CORN: 50 units

PRODUCT		USE RATE
OPTIMIZE IN-SEASON GENETIC POTENTIAL	 <b>Revline® 4.0 PGR</b> EPA Reg. No. 57538-49-95552 Revline 4.0 is an EPA-registered plant growth regulator (PGR) that improves germination, promotes early plant emergence in cool conditions and drives root growth and seedling development.	3 oz/A
	 <b>Revline® Early-Season PGR</b> EPA Reg. No. 57538-54-95552 Revline Early-Season contains two plant growth regulators found in nature that stimulate seeding and plant growth and improve root development. It also contains vitamins that aid transplanting.	2 oz/A
	 <b>Revline® Late-SeasonX PGR</b> EPA Reg. No. 90866-23-95552 Revline Late-SeasonX is a plant growth regulator for enhancing shoot and root growth, photosynthesis, abiotic stress resistance, and mineral uptake. Foritified cytokinin delays senescence and supports reproduction, GABA helps the plant respond to stress and maintain metabolic function, and choline chloride supports stress resilience.	12.8 oz/A
	 <b>Harvestshield™ Evo</b> Harvestshield Evo is specifically formulated to protect and reduce yield loss of crops under abiotic stresses conditions such as drought, low or high temperature, deficient or excessive water, high salinity, heavy metals, and ultraviolet radiation	1 qt/A
	 <b>Homestretch® NKB-S Evo</b> Homestretch NKB-S Evo is a foliar designed to enhance yield and promote stress relief by combining two highly soluble and usable forms of potassium, along with boron and sulfur. Additionally, dextrose and fulvic acid promote plant vigor and speed plant uptake.	1 qt/A
	 <b>Aquadraft® Extreme</b> Aquadraft Extreme is a blend of water conditioning agent (ammonium sulfate), surfactants, drift reduction agents and humectants. Contains antifoaming agent to minimize foaming.	20 oz/A
	 <b>Aquadraft® Premium</b> Aquadraft Premium is an Enlist™ approved nonionic surfactant and 3.4 lb/gal AMS premix. Can be used in place of ordinary surfactants, dry AMS or other AMS replacement products.	20 oz/A
	 <b>Aquadraft® VRA, a VaporGrip® Xtra Agent</b> AquaDraft® VRA, a VaporGrip® Xtra Agent may be used as an additional tool to reduce volatility potential when tank mixed with herbicide products containing dicamba. Must be used with a separate oil-emulsion drift reduction agent (DRA), like Trutrack Complete.	40 oz/A
 <b>Trutrack® Complete</b> Trutrack Complete is a premier drift reduction and deposition agent for use with herbicides, insecticide and fungicides. Enlist™ approved adjuvant. Trutrack Complete helps optimize deposition and droplet adhesion, which reduces bounce and increases droplet spreading for improved contact, coverage and canopy penetration.	Fungicide & insecticide: 6 oz/A Herbicide: 3 oz/A Aerial: 0.3% v/v	
<b>ASK YOUR MERISTEM SALES REP ABOUT THE ADVANCED ADJUVANTS CONCENTRATES SYSTEM</b>  		

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