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PRODUCT		RECOMMENDED USE RATE
NUTRIENT USE EFFICIENCY	 <p>Excavator® AMS + CycleStrike™ LR + BioFlex™ Excavator AMS + CycleStrike + BioFlex, is the industry's leading, and first, all-in-one blend of water conditioning agent (ammonium sulfate) and surfactants that aids in fertility/nutrient release and residue breakdown. Cyclestrike LR is powered by liquid-ready Bio-Capsule™ Technology, keeping biologicals separate and alive until the point of application.</p>  	32 oz/acre
	 <p>Maintain® Elite 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.</p> <p><i>THE ONLY MICROBE FRIENDLY NITROGEN MANAGEMENT SYSTEM</i></p>	Anhydrous Ammonia: 6 oz/50 units N up to max of 24 oz/acre Liquid Fertilizer: 2 qts/ton UAN Liquid Manure: 24-32 oz/acre
	 <p>N-Gear® Dual Action 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.</p> <p><i>THE ONLY MICROBE FRIENDLY NITROGEN MANAGEMENT SYSTEM</i></p>	UREA (46-0-0): 2-3qts/ton urea UAN Solutions (28-32%): 1.5 qt/ton total solution Liquid Manure: 13.5-18 oz/acre
	 <p>Fuel-Line™ powered by Ether™ 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.</p> 	2 qt/ton (dry product)

PRODUCT	<div>  </div>	RECOMMENDED USE RATE
   	<p>Hopper Throttle® MaxStax™ for Corn & Soybeans* CO-PACK</p> <p>HT MaxStax co-packs are 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.</p> <p>MaxStax Corn includes the Prephyte ST biofungicide, the bioinsecticide Guard X, the Guard C bionematicide, the Protectis beauveria bassiana microbe, Revline biostimulant and N-fixing microbes, in addition to the base pail of seed fluency and IonLock™ Zn, Fe & Mn with Ether Enzyme Technology and active carbon.</p> <p>MaxStax Soybean, includes a multi-strain bradyrhizobia inoculant, Metalaxyl ST, the Prephyte ST and Borne X biofungicides, the bioinsecticide Guard X, the Guard C bionematicide, the Protectis beauveria bassiana microbe, Revline biostimulant, N-fixing microbes and trichoderma, in addition to the base pail of seed fluency and IonLock™ Zn, Fe & Mn with Ether Enzyme Technology and active carbon.</p>	<p>CORN: 50 units</p> <p>SOYBEANS: 40 units</p>
   	<p>Hopper Throttle® MaxD for Corn & Soybeans* CO-PACK</p> <p>HT MaxD co-packs are 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.</p> <p>MaxD Corn includes the Prephyte ST biofungicide, the bioinsecticide Guard X, the Guard C bionematicide, the Protectis beauveria bassiana microbe, in addition to the base pail of seed fluency and IonLock™ Zn, Fe & Mn.</p> <p>MaxD Soybean, includes a multi-strain bradyrhizobia inoculant, Metalaxyl ST, the Prephyte ST and Borne X biofungicides, the bioinsecticide Guard X, the Guard C bionematicide, the Protectis beauveria bassiana microbe, in addition to the base pail of seed fluency and IonLock™ Zn, Fe & Mn.</p>	<p>CORN: 50 units</p> <p>SOYBEANS: 40 units</p>
 	<p>Hopper Throttle® Soybean F&I with Protectis + Metalaxyl ST + Prephyte™ ST* CO-PACK</p> <p>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 bradyrhizobia inoculant, Metalaxyl ST, the Prephyte ST biofungicide and the Protectis beauveria bassiana microbe.</p>	<p>SOYBEANS: 40 units</p>
 	<p>Revline® Hopper Throttle® Corn Ether™ + Guard X™* CO-PACK</p> <p>RHT Corn Ether + Guard X 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: biofertility & N-fixing microbes, Revline biostimulant, Ether Enzyme Technology lipase & mannanase combo that jumpstarts microbial activity, and the EPA-registered Guard X insecticide.</p>	<p>CORN: 50 units</p>
 	<p>Hopper Throttle® Corn + Guard X™ + Prephyte™ ST * CO-PACK</p> <p>HT Corn Ether + Guard X + Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients. It holds four Bio-Capsules containing: biofertility & N-fixing microbes, Revline biostimulant, and two EPA-registered actives: Guard X insecticide and Prephyte ST biofungicide.</p>	<p>CORN: 50 units</p>
 	<p>Revline® Hopper Throttle® Corn Ace Ether™ + Prephyte™ ST* CO-PACK</p> <p>RHT Corn Ace Ether + Prephyte ST has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, plus active carbon. It holds three Bio-Capsules containing: Revline biostimulant, Ether Enzyme Technology lipase & mannanase combo that jumpstarts microbial activity, and the EPA-registered Prephyte biofungicide.</p>	<p>CORN: 50 units</p>
 	<p>Revline® Hopper Throttle® Sugarbeets + Guard C™ + Prephyte™ ST* CO-PACK</p> <p>RHT Sugarbeet + Guard C + Prephyte ST 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: the sugarbeet-specific Revline biostimulant strain, biofertility and N-fixing microbes, and two EPA-registered actives: Guard C bionematicide and Prephyte ST biofungicide.</p>	<p>SUGARBEET: 10 boxes</p>
  	<p>Revline® Hopper Throttle® powered by Ether™ for Corn & Soybeans</p> <p>RHT Corn Ether has an 80/20 talc/graphite base with Ionlock™ Zinc, Mn & Fe for seed fluency and micronutrients, plus active carbon. It holds three Bio-Capsules containing: biofertility & N-fixing microbes, Revline biostimulant, and the Ether Enzyme Technology lipase & mannanase combo.</p> <p>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: Bradyrhizobium inoculant, biofertility & N-fixing microbes, Revline biostimulant, and the Ether Enzyme Technology lipase & mannanase combo.</p>	<p>CORN: 50 units</p> <p>SOYBEANS: 40 units</p>
  	<p>Revline® Hopper Throttle® for Cotton, Dry Beans, and Peas & Lentils</p> <p>Powered by Bio-Capsule Technology™, RHT is a patented, seed lubricity packaging system with an 80/20 talc/graphite, Mn & Fe blend with the added power of Ionlock™ Zinc in the pail. RHT and Bio-Capsule safeguard the vigor and vitality of microbes to the furrow.</p> <p>RHT Cotton includes active carbon with the base seed fluency, and has two Bio-Capsules: cotton-specific Revline biostimulant, and biofertility & N-fixing microbes.</p> <p>RHT Dry Bean has three Bio-Capsules: industry-leading Rhizobium inoculant, Revline biostimulant, and biofertility & N-fixing microbes.</p> <p>RHT Peas & Lentils has three Bio-Capsules: Rhizobium Leguminosarum Biovar Viciae inoculant, Revline biostimulant, and biofertility & N-fixing microbes.</p>	<p>COTTON: 20 units</p> <p>DRY BEAN: 40 units</p> <p>PEAS & LENTILS: 40 acres</p>

*Borne X EPA Reg No.: 92311-6-94485 | Guard C: FIFRA 25b Exempt Product | Guard X EPA Reg No.: 95699-2-95552 | Metalaxyl ST EPA Reg No.: 94485-8 | Prephyte ST EPA Reg No.: 94485-5

PRODUCT		RECOMMENDED USE RATE
	Upshift® C Plus powered by Ether™ Upshift C powered by Ether Enzyme Technology is a 12-58-0 formulation. It combines two enzymes specifically identified to increase phosphate availability, increase nutrient and water availability, boosting plant growth, while maximizing microbial activity.	2.5 lbs/acre
	Upshift® C powered by Ether™ Upshift C powered by Ether Enzyme Technology is a 12-58-0 formulation. It combines two enzymes specifically identified to increase phosphate availability, increase nutrient and water availability, boosting plant growth, while maximizing microbial activity.	2.5 lbs/acre
	Upshift® C+K powered by Ether™ Upshift C+K powered by Ether Enzyme Technology is a 9-39-16 3S formulation. It is a concentrated starter system that increases phosphate and potash availability, increases nutrient and water availability and boosts plant growth, while maximizing microbial activity.	2.5 lbs/acre
	Revline® 4.0 PGR 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/acre
	Revline® Early-Season PGR 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/acre
	Revline® Late-Season PGR Revline Late-Season is a fortified cytokinin designed to increase pollination and support photosynthesis during fruit or grain fill. The unique combination produces more flowering/fruitlet site, and more importantly increases the plant's net capture of solar energy to help drive sugar production.	12.8 oz/acre
	Harvestshield™ Complete Harvestshield Complete is a first-pass solution specifically formulated to protect and reduce yield loss of crops under abiotic stress conditions. This product combines foliar nutrition, amino acids and stress mitigators all in one jug.	1 qt/acre
	Homestretch® NKB-S EVO 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/acre
	Homestretch® NKB-S Homestretch NKB-S is a 2-0-15 formulation, specifically formulated with a boost of potassium, boron, and sulfur. It is ideal for in-season nutrient applications on row crops and is an excellent tank mix partner.	1 qt/acre
	Homestretch® B-Mo Homestretch B-Mo is designed for maximum nutrient mobility and performance, and is one of the most efficient and user friendly forms of boron available.	1 qt/acre
	Homestretch® Mn 6% Homestretch Mn 6% is a fully chelated solution recommended for the prevention and/or correction of manganese deficiency in all crops when used as a part of a balanced fertility program.	0.5 qt/acre
	Homestretch® Zinc 9% Homestretch Zinc 9% offers high quality, fully chelated EDTA micronutrients, ensuring that the nutrients remain available to the plant in a wide range of tank mixes, as well as pH and soil conditions.	1 qt/acre
	Homestretch® Sulfur 17 Homestretch Sulfur 17 is specifically formulated for foliar delivery of sulfur. Sulfur is important for chlorophyll formation, nodulation, enzyme activation, and S-containing amino acids.	1 qt/acre

PRODUCT	RECOMMENDED USE RATE
 Aquadraft® Extreme 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/acre
 Aquadraft® Premium 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/acre
 Trutrack® Fungicide Pass Trutrack Fungicide Pass adjuvant helps optimize droplet adhesion, which reduces bounce and increases droplet spreading for improved contact, coverage and canopy penetration.	6 oz/acre
 Trutrack® HD Trutrack HD is a premier drift reduction and deposition agent for use with herbicides, insecticide and fungicides. Enlist™ approved adjuvant.	3 oz/acre
 Cropfuse® COC Cropfuse COC improves spray solution coverage and penetration, increases the activity of herbicides and enhances performance and is compatible with UAN and AMS, even in cold water.	20 oz/acre
 Cropfuse® HS-MSO Cropfuse HS-MSO is a highly concentrated blend of quality methylated soybean oil and surfactant blend. This concentrated formula can be used at reduced rates to traditional methylated seed oil.	20 oz/acre
 Cropfuse® NIS Cropfuse NIS, an economical, 90% active, low-foaming, non-ionic activator adjuvant, enhances crop protection performance by improving spray solution coverage and penetration of target leaf surfaces.	3 oz/acre

ASK YOUR MERISTEM SALES REP ABOUT THE ADVANCED ADJUVANTS CONCENTRATES SYSTEM



PRODUCT USE RATES ARE BASED ON AVERAGES. FOR MORE PRODUCT DETAILS, VISIT MERISTEMAG.COM OR SCAN THE QR CODE