



Seed Treatment by BASF

Powering Potential

2024 Seed Treatment Product Reference Guide



For more information,
scan this QR code or visit
seedtreatment.basf.us

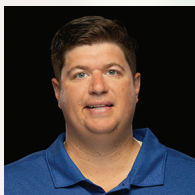
Your Seed Treatment Team



Rebecca Noble
Regional Account Team Lead
rebecca.noble@basf.com
(919) 593-5797



Eric Von Muenster
Regional Account Manager
Midwest
eric.von-muenster@basf.com
(515) 357-9706



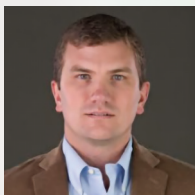
John Richardson
Regional Account Manager
East
john.richardson@basf.com
(614) 204-7922



Eric Peters
Regional Account Manager
Distributor Partners
eric.a.peters@basf.com
(816) 206-6888



Paul Trethewy
Regional Account Manager
Pacific Northwest
paul.trethewy@basf.com
(509) 309-1233



Justin Clark
Technical Lead
Southeast
justin.clark@basf.com
(515) 520-0896



Troy Bauer
Technical Field Rep.
Western Corn Belt
troy.bauer@basf.com
(515) 357-9706



Nick Tinsley
Technical Field Rep.
Eastern Corn Belt
nicholas.tinsley@basf.com
(217) 552-6518



Tracy Hillenbrand
Technical Field Rep.
PNW and Northern Plains
tracy.hillenbrand@basf.com
(701) 318-7144

Contents

Powering Potential	3	Corn Seed Treatments	10
Soybean Seed Treatments	4	Polymers and Colorants	11
Cereals Seed Treatments	6	Best Management Practices for Treated Seeds	13
Pulse Seed Treatments	8	Seed Treatment Application Tips	14
Peanut Seed Treatments	9		
Cotton Seed Treatments	9		

Powering Potential

For years, farmers have been told it's the seed that provides "Maximum Yield Potential." While "Maximum Yield" is every farmer's goal, "Potential" almost reads like fine print. By itself, seed just isn't equipped to withstand the unique threats that exist during early-season planting and young plant development. That's why BASF is focused on protecting the seed and enhancing its overall potential.

Partnering for Success

Seed Treatment products from BASF are designed to unlock the genetic potential of a crop as it goes from seed to seedling to plant. Our portfolio of on-seed and seed-applied technology combines seed treatments, inoculants, colorings, and coatings so that protection and potential go hand-in-hand.

Here are just a few of the innovations helping farmers improve their bottom line today and into the future:



ILEVO® Seed Treatment – The only proven winner against both SCN and SDS.



Teraxxa® Seed Treatment – The only seed treatment to eliminate wireworms.



Poncho® Votivo® Seed Treatment – The #1 corn seed treatment on the market and "The Official Corn Seed Treatment of the Field of Dreams movie site."



New Cereal Seed Treatment Blend Offerings – Customized by geography to meet the agronomic needs of the farmer and provide flexibility for seed houses.



Proprietary Inoculant Packaging – Innovative patented design for longer rhizobia viability and efficacy.



Sustainability – On-seed, soil-applied, and in-furrow technologies help improve nutrient uptake and the soil microbiome.

As you can see, when you incorporate Seed Treatment by BASF, you know you can count on agronomically driven innovations giving you more than top-tier solutions.

Let's make 2024 another great season. Together we can make sure every seed reaches its full potential.

Sincerely,

Sydney Sebalsky

Marketing Lead, US Seed Treatment

Soybean Seed Treatments



“The advantage that **ILEVO®** has given us year in, year out, has been substantial, especially in a lot of the soil types that we have and a lot of the areas that we grow our beans because we do have some fields that are moderate to high populations.”

– **DAN & SUMMER ORY, IOWA SOYBEAN FARMERS**

Fungicide, Nematicide & Insecticide Seed Treatments

Product	Key Disease/Pests	Standard Use Rate	Density	Key Benefits
ILEVO Seed Treatment	<ul style="list-style-type: none"> ■ Nematodes ■ Sudden Death Syndrome 	<ul style="list-style-type: none"> ■ SDS + Nematode rate: 1.18 fl. oz/140,000 seeds (0.15 mg ai/seed) ■ Nematode rate: 0.6 fl. oz/140,000 seeds (0.075 mg ai/seed) 	<ul style="list-style-type: none"> ■ 10.21 lbs/gal 	<ul style="list-style-type: none"> ■ Broad spectrum protection against multiple species of nematodes, including Soybean Cyst, Root-Knot and Reniform nematodes ■ Proven protection against above-and below ground phases of SDS ■ Trusted and proven on millions of acres, year over year over year
Obvius® Plus Fungicide Seed Treatment	<ul style="list-style-type: none"> ■ Phytophthora ■ Pythium ■ Fusarium ■ Rhizoctonia 	<ul style="list-style-type: none"> ■ 0.71 fl. oz/140,000 seeds 	<ul style="list-style-type: none"> ■ 9.35 lbs/gal 	<ul style="list-style-type: none"> ■ Long-lasting, 4-way disease protection against key early fungal diseases ■ Provides stress tolerance from cool conditions to take advantage of earlier planting for increased yield potential ■ Enables outstanding early season vigor and plant stands
Poncho® Votivo® Precise Seed Treatment*	<ul style="list-style-type: none"> ■ Early season insects: aphids, bean leaf beetle, grape colaspis, leafhopper, seedcorn maggot, three cornered alfalfa hopper, thrips, white grubs, wireworm ■ Nematodes 	<ul style="list-style-type: none"> ■ 1.02 fl. oz/140,000 seeds (0.13 mg ai/seed) 	<ul style="list-style-type: none"> ■ 10.68 lbs/gal 	<ul style="list-style-type: none"> ■ Delivers immediate insect efficacy to protect against damage from early season insects ■ Creates a living barrier that protects soybean roots from damage from multiple generations of nematodes ■ Provides a consistent yield benefit across a wide range of geographies and environments
Relenya® Seed Treatment	<ul style="list-style-type: none"> ■ Fusarium ■ Rhizoctonia 	<ul style="list-style-type: none"> ■ 0.2-0.4 fl. oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 9.60 lbs/gal 	<ul style="list-style-type: none"> ■ Innovative cutting-edge protection built on Revysol® technology ■ Adds to a base foundation to boost disease protection under Fusarium and Rhizoctonia pressure ■ Partners with a base package to boost yield potential under varied levels of disease pressure

*Poncho Votivo Precise Seed Treatment applied to soybean seed with the multifunctional coating Flo Rite Pro 2805 Plantability Polymer at the recommended rates provides excellent dust control. Always follow planter manufacturer recommendations for the proper use of planter lubricants.

Colors and Coatings

Product	Technology	Standard Use Rate	Density	Key Benefits
Color Coat	<ul style="list-style-type: none"> ■ Colorant 	<ul style="list-style-type: none"> ■ 0.20-0.71 fl. oz/100 lbs seed 	<ul style="list-style-type: none"> ■ See page 13 	<ul style="list-style-type: none"> ■ Effectively colors any seed, regardless of size, shape or texture for functional and aesthetic uses ■ Available in a variety of vibrant colors to add a distinctive appearance to seed
Flo Rite® Pro 2805 Plantability Polymer	<ul style="list-style-type: none"> ■ Advanced polymer-based technology combining adhesion properties with exceptional seed flow to optimize plant population for higher yields 	<ul style="list-style-type: none"> ■ 1.0 fl. oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 10.01 lbs/gal 	<ul style="list-style-type: none"> ■ Provides exceptional retention of seed treatment active ingredients preserving their value ■ Improves uniform coverage and application of seed-applied insecticides and fungicides ■ Reduces stickiness, bridging, clumping and increases seed drop accuracy reducing skips and doubles ■ Compatible with major fungicides, insecticides, nematocides, inoculants, and can easily be combined on seed with any Color Coat product by BASF

Biologicals and Inoculants

Product	Key Disease/Technology	Standard Use Rate	Density	Key Benefits
Vault® IP Plus Seed Treatment <i>Liquid</i>	Rhizobial inoculant/ Biofungicide <ul style="list-style-type: none"> ■ Rhizoctonia ■ Fusarium 	<ul style="list-style-type: none"> ■ 1.1 fl. oz/100 lbs seed or 0.51 fl. oz/140,000 seeds 	<ul style="list-style-type: none"> ■ 8.62 lbs/gal (when both components mixed per label directions) 	<ul style="list-style-type: none"> ■ EPA registered, dual-strain biofungicide promotes more vigorous roots and increased nutrient uptake ■ Best-in-class nitrogen fixation with proven, superior rhizobial strain ■ Lowest application volume inoculant/biofungicide treatment available in the market ■ Fewer components for less waste, more time saving and more treated units per case
Vault NP for Soybeans Inoculant <i>Liquid</i>	<ul style="list-style-type: none"> ■ Liquid soybean inoculant for seed treatment or in-furrow application 	<ul style="list-style-type: none"> ■ 4.2 fl. oz/100 lbs seed (on seed) or 1.96 fl. oz/140,000 seeds 	<ul style="list-style-type: none"> ■ 8.43 lbs/gal 	<ul style="list-style-type: none"> ■ Highly effective rhizobia strain and OMRI listed ■ Apply directly to seed or in-furrow ■ Convenient commercial application or on-farm use
Vault SP for Soybeans Inoculant <i>Peat-based</i>	<ul style="list-style-type: none"> ■ Rhizobial soybean inoculant for on-farm, planter box treatment 	<ul style="list-style-type: none"> ■ 2.8 oz/100 lbs seed 	<ul style="list-style-type: none"> ■ N/A 	<ul style="list-style-type: none"> ■ Sterile, peat-based carrier for durable and high rhizobia potency ■ Easily applied in planter box with excellent adhesion to seed



The Soybean Specialists

Your partner from seed to bin.

Behind every great soybean farmer is a team of BASF specialists. Explore expert solutions and high-yield programs that take your soybean crop to the next level.



Cereals Seed Treatments



“**Teraxxa® seed treatment** is a 'game-changer' ... as far as wireworms, I think it's as close to a home run as I will see in my career.”

– **AARON ESSER, EXTENSION AGRONOMIST**
WASHINGTON STATE UNIVERSITY

Fungicide and Insecticide Seed Treatments

Product	Key Disease/Pests	Standard Use Rate	Density	Key Benefits
Teraxxa Seed Treatment	<ul style="list-style-type: none">■ Wireworms	<ul style="list-style-type: none">■ 0.26 fl oz/100 lbs seed; Please refer to label for rates	<ul style="list-style-type: none">■ 9.64 lbs/gal	<ul style="list-style-type: none">■ Proven mode of action for true in-season control and effective management of wireworms
Teraxxa F4 Seed Treatment	<ul style="list-style-type: none">■ Wireworms■ <i>Fusarium</i> seed rot and seedling blight■ <i>Fusarium</i> crown and root rot*■ <i>Pythium</i> damping off■ <i>Rhizoctonia</i> root rot■ Common root rot■ Covered smut■ Dry seed decay■ False loose, loose and true loose smut■ Common bunt■ Flag smut	<ul style="list-style-type: none">■ 4.6 fl oz/100 lbs seed; Please refer to label for rates	<ul style="list-style-type: none">■ 8.97 lbs/gal	<ul style="list-style-type: none">■ Blockbuster 5 MoA seed treatment for wireworm control and broad-spectrum disease control■ New mode of action for true in-season control and effective management of wireworms■ Broad spectrum protection with four modes of action in one formulation including Xemium® and F500® technologies■ Cold tolerance, rapid emergence and highly systemic disease protection against key fungal seedling diseases■ Flexible blending partner for customized mixtures■ Unique, systemic activity provides longer and more complete fungal disease protection■ Labeled on wheat, barley, oats, triticale and rye

*Labeled for suppression.



Fungicide and Insecticide Seed Treatments, cont.

Product	Key Disease/Pests	Standard Use Rate	Density	Key Benefits
Poncho® XC Seed Treatment	<ul style="list-style-type: none"> ■ Aphids including Bird cherryoat, English grain, Greenbug, and Russian wheat aphid ■ Hessian fly ■ Wireworms 	<ul style="list-style-type: none"> ■ 0.25-1.79 fl oz/100 lbs seed; Please refer to label for rates 	<ul style="list-style-type: none"> ■ 10.42 lbs/gal 	<ul style="list-style-type: none"> ■ Systemic insect protection from early season damage ■ Labeled on barley, buckwheat, millet, oats, rye, teosinte, triticale and wheat
Relenya® Seed Treatment	<ul style="list-style-type: none"> ■ Dwarf bunt ■ Common root rot ■ Common bunt ■ <i>Fusarium</i> ■ <i>Rhizoctonia</i> 	<ul style="list-style-type: none"> ■ 0.2-0.4 fl oz/100 lbs seed; Please refer to label for rates 	<ul style="list-style-type: none"> ■ 9.60 lbs/gal 	<ul style="list-style-type: none"> ■ Unique seed-applied azole innovation from Revysol® active ingredient ■ Excellent control of dwarf bunt and seedling diseases and protects seed and root zone during early development ■ Highly flexible blending partner ■ Labeled on barley, buckwheat, millet, oats, rye, triticale and wheat
Stamina® Fungicide Seed Treatment	<p>Control of seedling disease caused by:</p> <ul style="list-style-type: none"> ■ <i>Rhizoctonia solani</i> ■ <i>Penicillium</i> spp. <p>Suppression of seed and seedling disease caused by:</p> <ul style="list-style-type: none"> ■ <i>Fusarium</i> spp. ■ <i>Pythium</i> spp. 	<ul style="list-style-type: none"> ■ 0.4-0.8 fl oz/100 lbs seed; Please refer to label for rates 	<ul style="list-style-type: none"> ■ 9.06 lbs/gal 	<ul style="list-style-type: none"> ■ Faster emergence, excellent cold tolerance ■ Flexible blending partner for customized mixtures
Stamina® F4 Cereals Fungicide Seed Treatment	<ul style="list-style-type: none"> ■ <i>Fusarium</i> seed rot and seedling blight ■ <i>Fusarium</i> crown and root rot* ■ <i>Pythium</i> damping off ■ <i>Rhizoctonia</i> root rot ■ Common root rot ■ Covered smut ■ Dry seed decay ■ False loose, loose and true loose smut ■ Common bunt ■ Flag smut 	<ul style="list-style-type: none"> ■ 4.6 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 8.90 lbs/gal 	<ul style="list-style-type: none"> ■ Broad spectrum protection with four modes of action in one formulation including Xemium® and F500® technologies ■ Cold tolerance, rapid emergence and highly systemic disease protection against key seedling diseases ■ Flexible blending partner for customized mixtures ■ Unique, systemic activity provides longer and more complete disease protection ■ Labeled on wheat, barley, oats, triticale and rye

Colors and Coatings

Product	Technology	Standard Use Rate	Density	Key Benefits
Color Coat	<ul style="list-style-type: none"> ■ Colorant 	<ul style="list-style-type: none"> ■ 0.20-1.20 fl oz/100 lbs seed (wheat) 	<ul style="list-style-type: none"> ■ See page 13 	<ul style="list-style-type: none"> ■ Effectively colors any seed, regardless of size, shape or texture for functional and aesthetic uses ■ Water-based, low viscosity solution with neutral pH that offers convenience and easy cleanup ■ Available in a variety of vibrant colors to add a distinctive appearance to seed
Flo Rite® Pro 02 Plantability Polymer	<ul style="list-style-type: none"> ■ Plantability Polymer 	<ul style="list-style-type: none"> ■ 2.0-6.0 fl oz/100 lb seed 	<ul style="list-style-type: none"> ■ 9.15 lbs/gal 	<ul style="list-style-type: none"> ■ Advanced polymer-based technology ■ Combines adhesion properties with exceptional seed flow ■ Optimizes singulation, seed spacing, and plant population for higher yield potential ■ Compatible with major fungicides and insecticides ■ Easily blends with any Color Coat product by BASF

Pulse Seed Treatments



Biologicals and Inoculants

Product	Technology	Standard Use Rate	Density	Key Benefits
Nodulator® Duo SCG Granular Inoculant for Peas and Lentils	<ul style="list-style-type: none"> ■ Solid core granule ■ Rhizobia inoculant ■ Biological for water and nutrient uptake 	■ 3.3 lbs/A	■ N/A	<ul style="list-style-type: none"> ■ Top-performing strain of rhizobium specifically selected for peas and lentils ■ Guaranteed to contain a minimum of 8×10^7 viable cells of <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> per gram and 2×10^8 viable cells of <i>Bacillus subtilis</i> per gram ■ Root-strengthening biofilm bacterium helps in water and nutrient uptake ■ Technologically advanced multi-layered granular carrier for rhizobia
Nodulator Liquid Inoculant for Peas and Lentils	<ul style="list-style-type: none"> ■ Liquid rhizobia inoculant ■ OMRI Listed 	■ 2.5 fl oz/60 lbs of seed	■ 1.01 g/mL	<ul style="list-style-type: none"> ■ High levels of rhizobia in a liquid formulation ■ Sterile production ensures more than 750 million rhizobia per milliliter ■ Simple to use planter box or commercial bulk-seed treatment ■ Unique, crop-specific strain chosen for its effectiveness on peas and lentils
Nodulator Self-Adhering Inoculant for Peas and Lentils	<ul style="list-style-type: none"> ■ Sterile peat-based 	■ 1.9 oz/60 lbs of seed	■ N/A	<ul style="list-style-type: none"> ■ Advanced self-adhering properties for more uniform seed coverage ■ Sterile production provides more than 1 billion rhizobia per gram ■ Sterile, peat-based carrier for high rhizobia potency ■ Easily applied by mixing with seed directly in planter box

Fungicide Seed Treatments

Product	Key Disease/Pests	Standard Use Rate	Density	Key Benefits
Obvius® Fungicide Seed Treatment	Root rot, seed rot and seedling blight caused by: <ul style="list-style-type: none"> ■ <i>Fusarium</i> spp ■ <i>Pythium</i> spp ■ <i>Rhizoctonia solani</i> 	■ 4.6-9.2 fl ozs/100 lbs seed	■ 8.80 lbs/gal	<ul style="list-style-type: none"> ■ Broad spectrum disease control for [crop subgroup 6C] shelled pea and bean (except soybean), including lentils, field pea, chickpea, drybean; [crop subgroup 20A] rapeseed, including canola and canola oil quality mustards and flax.
Obvius Plus Fungicide Seed Treatment	<ul style="list-style-type: none"> ■ Phytophthora ■ Pythium ■ Fusarium ■ Rhizoctonia 	■ 1.53 fl oz/100 lbs of seed	■ 9.35 lbs/gal	<ul style="list-style-type: none"> ■ Long-lasting, 4-way disease protection against key early fungal diseases ■ Provides stress tolerance in early planting conditions ■ Enables outstanding early season vigor and plant stands

Colors and Coatings

Product	Technology	Standard Use Rate	Density	Key Benefits
Flo Rite® Pro 2805 Plantability Polymer	<ul style="list-style-type: none"> ■ Advanced polymer-based technology combining adhesion properties with exceptional seed flow to optimize plant population for higher yields 	■ 1.0 fl. oz/100lbs seed	■ 10.01 lbs/gal	<ul style="list-style-type: none"> ■ Provides exceptional retention of seed treatment active ingredients preserving their value ■ Improves uniform coverage and application of seed-applied insecticides and fungicides ■ Reduces stickiness, bridging, clumping and increases seed drop accuracy reducing skips and doubles ■ Compatible with major fungicides, insecticides, nematicides, inoculants, and can be easily blended with any Color Coat product by BASF

Peanut Seed Treatments



Biologicals and Inoculants

Product	Technology	Standard Use Rate	Density	Key Benefits
Vault® Peanut Liquid and Velondis® Plus	<ul style="list-style-type: none">■ Liquid in-furrow inoculant and two EPA registered biofungicides	<ul style="list-style-type: none">■ 14.4 fl oz/A	<ul style="list-style-type: none">■ N/A	<ul style="list-style-type: none">■ Velondis Plus biofungicide extends disease suppression and enhances nodulation, root-vigor and nutrient uptake■ High quality inoculant, guaranteed fresh for maximum effectiveness
Vault SP Inoculant for Peanuts	<ul style="list-style-type: none">■ Sterile peat-based formulation for on-farm planter box treatment	<ul style="list-style-type: none">■ 7.0 oz/100 lbs seed	<ul style="list-style-type: none">■ N/A	<ul style="list-style-type: none">■ Fresh, high-potency, sterile peat-based inoculant■ High adhesion level for effective seed coverage■ Mixed directly in the planter box with seed

Cotton Seed Treatments



Available on BASF’s Stoneville® and FiberMax® Cotton Seed

Product	Key Disease/Pests	Density	Key Benefits
Copeo® Seed Treatment	<ul style="list-style-type: none">■ Root-knot nematodes■ Reniform nematodes	<ul style="list-style-type: none">■ 10.35 lbs/gal	<ul style="list-style-type: none">■ Broad spectrum nematicide against key cotton nematode species■ Excellent protection where it matters most: at the roots■ Healthier root and plants for higher yield potential under nematode pressure■ Active ingredient can still be found in the roots up to 40 days after planting



Corn Seed Treatments



Fungicide and Insecticide Seed Treatments

Product	Key Disease/Pests	Density	Key Benefits
Poncho® 600 Seed Treatment	<ul style="list-style-type: none"> ■ Corn rootworm* ■ Southern corn billbug* ■ Chinch bug ■ Corn flea beetle ■ Black cutworm ■ Corn leaf aphid ■ Grape colaspis ■ Seedcorn maggot ■ Southern green stinkbug ■ Storage pests ■ Sugarcane beetles ■ White grubs ■ Thrips ■ Wireworms 	<ul style="list-style-type: none"> ■ 10.42 lbs/gal 	<ul style="list-style-type: none"> ■ Delivers immediate insect efficacy to protect against damage from early season pests ■ Provides a consistent yield benefit across a wide range of geographies and environments
Poncho Votivo® Seed Treatment Official corn seed treatment of Field of Dreams movie site	<ul style="list-style-type: none"> ■ Southern corn rootworm* ■ Southern corn leaf beetle ■ Chinch bug ■ Corn flea beetle ■ Black cutworm ■ Corn leaf aphid ■ Grape colaspis ■ Seedcorn maggot ■ Southern green stinkbug ■ Storage pests ■ Sugarcane beetles ■ White grubs ■ Thrips ■ Wireworms ■ Plant pathogenic nematodes 	<ul style="list-style-type: none"> ■ 10.68 lbs/gal 	<ul style="list-style-type: none"> ■ Delivers immediate insect efficacy to protect against damage from early season pests ■ Creates a living barrier that protects corn roots from damage from multiple generations of nematodes ■ Provides a consistent yield benefit across a wide range of geographies and environments
Stamina® Fungicide Seed Treatment	Control of seedling disease caused by: <ul style="list-style-type: none"> ■ <i>Rhizoctonia solani</i> ■ <i>Penicillium oxalicum</i> Suppression of seed and seedling disease caused by: <ul style="list-style-type: none"> ■ <i>Aspergillus</i> spp. ■ <i>Fusarium</i> spp. ■ <i>Pythium</i> spp. 	<ul style="list-style-type: none"> ■ 9.06 lbs/gal 	<ul style="list-style-type: none"> ■ Faster emergence, excellent cold tolerance ■ Flexible blending partner for customized mixtures ■ Labeled on field corn, popcorn, seed production corn and sweet corn

Colors and Coatings

Product	Technology	Standard Use Rate	Density	Key Benefits
Color Coat	<ul style="list-style-type: none"> ■ Colorant 	<ul style="list-style-type: none"> ■ 0.25-0.75 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ See page 13 	<ul style="list-style-type: none"> ■ Effectively colors any seed, regardless of size, shape or texture for functional and aesthetic uses ■ Water-based, low viscosity solution with neutral pH that offers convenience and easy cleanup ■ Available in a variety of vibrant colors to add a distinctive appearance to seed
Flo Rite Pro 02 Plantability Polymer	<ul style="list-style-type: none"> ■ Plantability Polymer 	<ul style="list-style-type: none"> ■ Corn w/Neonic Insecticide: <ul style="list-style-type: none"> – @ 0.25mg ai/seed – 3.0 fl oz/100 lbs seed – @ 0.50mg ai/seed – 4.0 fl oz/100 lbs seed – @ 1.25mg ai/seed + Secompla®** 01 @ 0.6 fl oz/cwt– 5.0 fl oz/100 lbs seed ■ Corn w/Seed Treatment: <ul style="list-style-type: none"> – Poncho Votivo – 5.0 fl oz/100 lbs seed + Secompla®** 01 @ 0.6 fl oz/cwt– 5.0 fl oz/100 lbs seed – Poncho 1250 Votivo 1.0 fl oz/cwt – 6.0 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 9.15 lbs/gal 	<ul style="list-style-type: none"> ■ Advanced polymer-based technology ■ Combines adhesion properties with exceptional seed flow ■ Optimizes singulation, seed spacing, and plant population for higher yield potential ■ Compatible with major fungicides and insecticides ■ Easily blends with any Color Coat product by BASF

*Provides protection against corn rootworms under low to moderate pressure.

**Secompla 985 should be applied whenever a seed treatment insecticide is applied at 1.25 mg ai/seed to assure proper stewardship of the insecticide.

Polymers and Colorants



Product	Crop	Standard Use Rate	Density	Key Benefits
Plantability Polymers				
Flo Rite® Pro 2805 Plantability Polymer	<ul style="list-style-type: none"> ■ Soybean ■ Dry Beans and Pulses 	<ul style="list-style-type: none"> ■ 1.0 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 10.01 lbs/gal 	<ul style="list-style-type: none"> ■ Provides exceptional retention of seed treatment active ingredients preserving their value ■ Improves uniform coverage and application of seed-applied insecticides and fungicides ■ Reduces stickiness, bridging, clumping and increases seed drop accuracy reducing skips and doubles ■ Compatible with major fungicides, insecticides, nematicides, inoculants, and can easily be combined on seed with any Color Coat product by BASF
Flo Rite Pro 02 Plantability Polymer	<ul style="list-style-type: none"> ■ Corn ■ Cereals 	<ul style="list-style-type: none"> ■ Corn w/Neonic Insecticide: <ul style="list-style-type: none"> – @ 0.25mg ai/seed – 3.0 fl oz/100 lbs seed – @ 0.50mg ai/seed – 4.0 fl oz/100 lbs seed – @ 1.25mg ai/seed + Secompla®* 01 @ 0.6 fl oz/cwt – 5.0 fl oz/100 lbs seed ■ Corn w/Seed Treatment: <ul style="list-style-type: none"> – Poncho® Votivo® – 5.0 fl oz/100 lbs seed – Poncho 1250 Votivo 1.0 fl oz/cwt – 6.0 fl oz/100 lbs seed ■ Cereals: 6.0 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 9.15 lbs/gal 	<ul style="list-style-type: none"> ■ Advanced polymer-based technology ■ Combines adhesion properties with exceptional seed flow ■ Optimizes singulation, seed spacing, and plant population for higher yields ■ Compatible with major fungicides and insecticides ■ Easily blends with any Color Coat product by BASF
Sepiret® 8363 Blue	<ul style="list-style-type: none"> ■ Sunflower 	<ul style="list-style-type: none"> ■ 5 to 9 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 11.16 lbs/gal 	<ul style="list-style-type: none"> ■ Improves visual appearance of treated seeds ■ Offers AI retention and binding strength ■ Maintains flowability
Sepiret 9256 Orange EKW	<ul style="list-style-type: none"> ■ Small Vegetables 	<ul style="list-style-type: none"> ■ 30 to 80 gm/kg on vegetable seed or overcoating a pellet 	<ul style="list-style-type: none"> ■ 10.80 lbs/gal 	<ul style="list-style-type: none"> ■ Improves visual appearance of treated seeds ■ Offers AI retention and binding strength ■ Maintains flowability
Binding Polymers				
Secompla 705 Binding Polymer	<ul style="list-style-type: none"> ■ Cotton ■ Canola ■ Cereals 	<ul style="list-style-type: none"> ■ Cotton: 1.00 – 2.50 fl oz/100 lbs seed ■ Canola: 0.50 – 5.00 fl oz/100 lbs seed ■ Cereals: 0.20 – 1.0 fl oz/100 lbs seed 	<ul style="list-style-type: none"> ■ 8.69 lbs/gal 	<ul style="list-style-type: none"> ■ High binding-strength polymer
Seed Buildup Polymer				
Equate™ Polymer	<ul style="list-style-type: none"> ■ Canola ■ Alfalfa 	<ul style="list-style-type: none"> ■ Contact manufacturer for specific rates 	<ul style="list-style-type: none"> ■ N/A 	<ul style="list-style-type: none"> ■ Small seed coating and build up

*Secompla 985 should be applied whenever a seed treatment insecticide is applied at 1.25 mg ai/seed to assure proper stewardship of the insecticide.

Polymers and Colorants, cont.

Product	Crop	Standard Use Rate	Density	Key Benefits
Colorants				
<div>Color Coat Blue</div> <div>Color Coat Green 01</div> <div>Color Coat Purple 01</div> <div>Color Coat Red</div> <div>Color Coat White</div>	<div><div>■ Corn</div><div>■ Sorghum</div><div>■ Soybean</div><div>■ Wheat</div></div> <div><div>■ Sunflower</div><div>■ Beans</div><div>■ Peas</div></div>	<div>■ Sorghum: 0.30 – 0.60 fl oz/100 lbs seed</div> <div>■ Soybean, Beans, Peas: 0.20-0.71 fl oz/100 lbs seed</div> <div>■ Wheat: 0.20 – 1.20 fl oz/100 lbs seed</div> <div>■ Sunflower: 2.00 – 4.00 fl oz/100 lbs seed</div>	<div>■ Blue = 9.85 lbs/gal</div> <div>■ Green 01 = 10.90 lbs/gal</div> <div>■ Purple 01 =10.01 lbs/gal</div> <div>■ Red = 9.40 lbs/gal</div> <div>■ White = 12.90 lbs/gal</div>	<div>■ Effectively colors any seed, regardless of size, shape or texture for functional and aesthetic uses</div> <div>■ Water-based, low viscosity solution with neutral pH that offers convenience and easy cleanup</div> <div>■ Available in a variety of vibrant colors to add a distinctive appearance to seed</div>
<div>Seed Luster</div>	<div><div>■ Corn</div><div>■ Sorghum</div><div>■ Soybean</div><div>■ Wheat</div></div> <div><div>■ Sunflower</div><div>■ Beans</div><div>■ Peas</div></div>	<div>■ 2.8-14 g/100 lbs of seed</div>	<div>■ N/A</div>	<div>■ Top-performing seed gloss provides luster and shine while perfecting appearance of seed</div> <div>■ Convenient dry powder formulation</div> <div>■ Reduces stickiness inside treater drum</div> <div>■ Compatible with all Color Coat products</div>



Best Management Practices for Treated Seeds



Seed Treatment products from BASF are designed with the goal to give every seed every advantage. Our seed treatment products protect seed from germination to emergence, promote early-season vigor, limit disease and insect pressure.

Seeds that have been treated with pesticides need to be handled with special care to protect wildlife, pollinators, human health and the environment. **Always read and adhere to the pesticide label and seed tag directions.**

Pollinator Protection:

Communication between growers and beekeepers prior to field activities will help to protect honey bees located near fields.

- Beekeepers should inform growers of hive locations.
- Growers should inform beekeepers of timing of planting treated seed and pesticide applications.
- Prior to planting and/or pesticide applications, beekeepers can ensure hives are located strategically, take actions to temporarily protect or relocate hives where feasible, and ensure clean water sources are provided.
- Do not load or clean planting equipment near hive locations and avoid places where bees may be foraging such as flowering habitats including crops, trees, or weeds.

Handling and Transportation:

- Handle seed bags with care during transport, loading and unloading in order to reduce abrasion, dust generation and spillage.
- Wear the appropriate personal protective equipment when handling treated seed (refer to product label and seed tag).
- Store treated seed under appropriate conditions.
- Keep treated seed and potential dust away from surface water.
- Do not reuse empty seed bags for any purpose other than storing the original treated seed.

Planting:

- Follow crop seeding rate and planting depth as recommended on seed bag tag.
- Use planting equipment that will plant treated seed into the soil to a minimum depth of 0.5 inch.
- Follow the directions provided by planting equipment manufacturers.
- Take care to reduce/control dust emission from planters.
 - Direct exhaust to the ground or consider using deflector equipment to reduce potential dust drift.
 - Use high quality, dust-free seed for planting.
 - Use the appropriate seed-flow lubricant.
- After planting, check the field for exposed seeds. The greatest potential for seed spillage occurs at the loading site, at the point of entry to the field, and at the turn rows. Remove spilled seeds or cover with soil if possible.

Clean Up and Disposal:

- Clean and maintain planting equipment regularly (eg. vacuum any dust remaining in the fan housing and hopper) follow directions provided by equipment manufacturer.
- Ensure seed that has fallen or spilled out of the planter is covered (incorporated into the soil) or removed to avoid potential risks to birds and wildlife.
- Clean planters away from sensitive areas and avoid disposing wastewater near surface or ground water.
- Properly dispose of empty seed bags and excess treated seed in accordance with local and state guidelines.



For additional resources on seed treatment stewardship, please see “The Guide to Seed Treatment Stewardship”, (www.seed-treatment-guide.com). The website provides resources in the form of written guides and videos on topics such as “Ensuring Success through Stewardship of Treated Seed” and “Treated Seed Stewardship for Managing Seed Spills”.

Seed Treatment Application Tips



Proper application of seed treatment products is important to maximize their impact and to ensure an efficient process.



Scan this QR code to watch a video about downstream seed treatment application basics.



Notes



We create chemistry

This guide is meant as a quick reference only. For full label and state-specific use information and restrictions, refer to the label on product container or access at the BASF website (www.agproducts.basf.us) or through our partners at Agrian.com, CDMS.net or Greenbook.net. **Always read and follow label directions.**

Copeo, Credenz, FiberMax, Flo Rite, F500, ILEVO, Nodulator, Obvius, Poncho, Relenya, Revysol, Secompla, Sepiret, Stamina, Stoneville, Teraxxa, Vault, Velondis, Votivo and Xernium are registered trademarks and CF Neutral, Secure and Equate are trademarks of BASF. ©2023 BASF Corporation. All Rights Reserved. APN# 1909002 Seed Treatment Product Reference Guide-2023-Spring. ©Iowa Memories, LLC, dba Field of Dreams Movie Site. All Rights Reserved.

