



PRODUCT PORTFOLIO

2022



PRECISION CHEMISTRY

FOR REAL RESULTS

Vive Crop Protection addresses the challenges of precision agriculture with revolutionary technology designed to maximize performance, efficiency and profitability.

Targeted Protection

When a chemical or biological is applied, it needs to go straight to the problem without causing issues in other areas. The Allosperse® Delivery System uses patented nano-polymer 'shuttles' to carry an active ingredient where it needs to go.

Tuned for Specific Chemistry

The inside and outside of every proprietary Vive Allosperse nano-polymer is designed for optimal compatibility and performance ensuring each active ingredient performs at its' best.

FUNGICIDES

AZterknot®

AZteroid® FC^{3.3}

Xyler® FC

Averland® FC

INSECTICIDES

Bifender® FC

Midac® FC

Viloprid™ FC^{1.7}

THE

ALLOSPERSE[®]

ADVANTAGE



Creating new possibilities for growers, Allosperse targets and optimizes the interaction between active ingredients, fertilizers, micronutrients, biologicals and other chemicals.

COMPETITIVE ADVANTAGES

- Proven performance
- Worry-free tank mixing
- No extra equipment
- Solution stays in suspension
- No blending agents required
- High customer satisfaction

Quadris[®] fungicide in various fertilizers



AZteroid[®] FC 3.3 fungicide in various fertilizers



FUNGICIDES

AZterknot®

CATEGORY	Fungicide + Plant Health
CONTAINS	Azoxystrobin + <i>Reynoutria sachalinensis extract</i> + Allosperse
GROUP	11 + P5
APPLICATION	Soil or foliar
COMPARE TO	Unique 3-in-1 combination
PACKAGE SIZE	2 x 2.5 gal

AZterknot® is the industry's first 3-in-1 biological, chemical and Allosperse fungicide.

PERFORMANCE BENEFITS

- Delivers systemic, broad-spectrum preventative control of key diseases.
- Induces the plant's natural defenses to improve plant health, increase stress tolerance.
- Improves crop quality and yields.
- Contains two powerful MOAs: Group 11 and P5 for smart resistance management.
- Mixes with liquid fertilizers, hard water and other inputs, even in low volume solutions.

KEY DISEASES CONTROLLED

Alternaria leaf spot, Anthracnose, Black dot, Black scurf, Downy mildew, Early blight, Gray leaf spot, Northern corn leaf blight, Powdery mildew, Pythium, Rhizoctonia root rot, Rhizoctonia stalk rot, Rusts, Sheath blight, Silver scurf

AZteroid® FC^{3.3}

CATEGORY	Fungicide
CONTAINS	Azoxystrobin + Allosperse
GROUP	11
APPLICATION	Soil or foliar
COMPARE TO	Quadris®
PACKAGE SIZE	2 x 2.5 gal

AZteroid® FC 3.3 is the only fertilizer-compatible azoxystrobin.

PERFORMANCE BENEFITS

- Best-mixing azoxystrobin available. Compatible with liquid fertilizer.
- Provides reliable, long-lasting systemic disease control.
- Better return on investment by delivering increased yield and improved crop quality.
- Easy mixing with liquid fertilizer, hard water and other inputs saves time, fuel and labor.
- No need to mount and maintain additional equipment.

KEY DISEASES CONTROLLED

Alternaria leaf spot, Anthracnose, Black dot, Black scurf, Downy mildew, Early blight, Gray leaf spot, Northern corn leaf blight, Powdery mildew, Pythium, Rhizoctonia root rot, Rhizoctonia stalk rot, Rusts, Sheath blight, Silver scurf

Xyler® FC

CATEGORY	Fungicide
CONTAINS	Metalaxyl + Allosperse
GROUP	4
APPLICATION	Soil or foliar
COMPARE TO	Ridomil Gold® SL
PACKAGE SIZE	2 x 2.5 gal

Xyler® FC is the only fertilizer-compatible metalaxyl fungicide.

PERFORMANCE BENEFITS

- Quality product that is easy to tank-mix with liquid fertilizer, other chemistry, micronutrients and hard water.
- Excellent disease protection due to hyper-systemic uptake and translocation properties.
- When used in-furrow, it controls soilborne diseases while improving plant stand, root health and crop vigor.

KEY DISEASES CONTROLLED

Pythium spp, Phytophthora spp, Pink rot, Potato storage diseases

INSECTICIDES

Averland® FC

CATEGORY	Nematicide, Insecticide, Miticide
CONTAINS	Abamectin + Allosperse
GROUP	6
APPLICATION	Soil or foliar
COMPARE TO	Agri-Mek® SC
PACKAGE SIZE	4 x 1 gal, 2 x 2.5 gal

Averland FC is a Restricted Use Pesticide.

Averland® FC is the only convenient in-furrow solution for nematodes that mixes with liquid fertilizer.

PERFORMANCE BENEFITS

- The only abamectin product for in-furrow nematodes in corn that provides broad- spectrum activity in the root zone to protect the growing crop.
- Easy to use in chemigation systems for increased operational efficiency.
- Best-mixing abamectin available. Compatible with liquid fertilizer and foliar nutritionals.
- Locally systemic with translaminar activity for in-season control of pests.
- No additional equipment needed. Saves time and money.

KEY PESTS

Colorado potato beetle, Leafminers, Mites, Nematodes^{1, 2}, Psyllids, Thrips²

¹ Corn in-furrow, potatoes chemigation, ² Suppression only

Bifender® FC

CATEGORY	Insecticide, Miticide
CONTAINS	Bifenthrin + Allosperse
GROUP	3
APPLICATION	Soil or foliar
COMPARE TO	Capture® LFR®
PACKAGE SIZE	2 x 2.5 gal

Bifender FC is a Restricted Use Pesticide.

Bifender® FC is the best bifenthrin product for use with liquid fertilizer.

PERFORMANCE BENEFITS

- Best-mixing bifenthrin with liquid fertilizer. Seamless integration with soil and foliar nutritional programs.
- Easier mixing for efficiency, saving time and resources (fuel, labor).
- Hassle-free tank mixing with no clogged nozzles or lines. Stays mixed regardless of application delays.
- Broad-spectrum pest control for in-furrow and foliar treatments on most crops.
- Maximizes return on investment, especially when resistant corn rootworm is present.

KEY PESTS CONTROLLED

Aphids, Armyworm, Black cutworm, Bollworms, Corn rootworm, Flea beetle, Flea hopper, Grape colaspis Grasshoppers, Japanese beetle, Loopers, Plant bug, Root maggot, Rootworm, Seedcorn maggot, Spider mite, Stalkborer, Stink bug, Thrips, Tobacco budworm, Webworms, White grubs, Wireworm

Midac® FC

CATEGORY	Insecticide
CONTAINS	Imidacloprid + Allosperse
GROUP	4A
APPLICATION	Soil
COMPARE TO	Counter® 20G
PACKAGE SIZE	2 x 2.5 gal

Midac FC is a Restricted Use Pesticide.

Midac® FC is the only convenient solution for sugarbeet root maggot control.

PERFORMANCE BENEFITS

- Systemic control of sugarbeet root maggot, above-ground and below-ground pests.
- The only sugarbeet root maggot control that mixes ideally with liquid fertilizer.
- Halts the transmission of diseases by controlling known vectors.
- Powerful performance with long-lasting activity.
- No need for additional equipment and heavy boxes.

KEY PESTS CONTROLLED

Aphids, Beet curly top virus¹, Flea beetle, Leafhoppers, Sugarbeet root maggot, Western yellows¹, Whiteflies

¹ Suppression of symptoms

Viloprid™ FC^{1.7}

CATEGORY	Insecticide
CONTAINS	Imidacloprid + Allosperse
GROUP	4A
APPLICATION	Soil or foliar
COMPARE TO	Admire® Pro
PACKAGE SIZE	2 x 2.5 gal

Viloprid FC is a Restricted Use Pesticide.

Viloprid™ FC 1.7 is the best-mixing and only fertilizer-compatible imidacloprid product for a broad range of crops.

PERFORMANCE BENEFITS

- The best-mixing imidacloprid, compatible with liquid fertilizers and other inputs for unparalleled convenience.
- Delivers the trusted, long lasting, systemic performance of imidacloprid.

KEY PESTS CONTROLLED

Aphids, Beet curly top virus¹, Colorado potato beetle, Flea beetle, Leafhoppers, Potato leaf roll virus¹, Potato psyllid, Potato yellows¹, Net necrosis¹, Western yellows¹, Whiteflies, Wireworms¹

¹ Suppression of symptoms

PRODUCT PORTFOLIO WITH REGISTERED CROPS

Crop	FUNGICIDES			INSECTICIDES			
	AZterknot [®]	AZteroid [®] FC ^{3,3}	Xyler [®] FC	Averland [®] FC	Bifender [®] FC	Midac [®] FC	Viloprid [®] FC ¹⁷
Alfalfa / Forages	•	•	•				
Cotton	•	•	•	•	•		•
Cereals	•	•					
Corn	•	•		•	•		
Edible Beans / Peas	•	•	•	•	•		•
Grapes	•	•	•	•	•		•
Hops			•	•	•		•
Mint	•	•		•			
Onion	•	•	•	•			
Peanut	•	•	•		•		•
Potatoes	•	•	•	•	•		•
Rice	•	•					
Soybean	•	•	•		•		•
Strawberries	•	•	•	•			•
Sugarbeets	•	•	•			•	
Tobacco	•	•	•		•		•
Root & Tuber Vegetables (Group 1)	•	•	•	•	•		•
Bulb Vegetables (Group 3-7)	•	•	•	•			
Leafy Vegetables (Group 4)	•	•	•	•	•		•
Head & Stem Brassica (Group 5A)	•	•	•		•		•
Fruiting Vegetables (Group 8)	•	•	•	•	•		•
Cucurbits (Group 9)	•	•	•	•	•		•
Citrus (Group 10-10)	•	•	•	•	•		•
Pome Fruit (Group 11)			•	•			•
Stone Fruit (Group 12)	•	•	•	•			•
Small Fruit & Berries (Group 13)	•	•	•	•	•		•
Tree Nuts (Group 14-12)	•	•	•	•			•
Oilseeds (Group 20)	•	•	•	•	•		•

See label for specific crop registrations and groups. Not all products are registered in all states.

RATE COMPARISON GUIDE

	AI (lb/gallon)	Application Rate (fluid oz/A)	For Approximate Calculations	
FUNGICIDES	AZteroid[®] FC^{3,3}	3.3		Divide by 1.65
	<i>Quadris[®]</i>	2.08		
	Xyler[®] FC	2.8		Divide by 0.35
	<i>Ridomil Gold[®] SL</i>	4.0		
INSECTICIDES	Averland[®] FC	0.7		Divide by 1.0
	<i>Agri-Mek[®] SC</i>	0.7		
	Bifender[®] FC	1.75		Divide by 1.15
	<i>Capture[®] LFR[®]</i>	1.5		
	Viloprid[®] FC¹⁷	1.7		Divide by 0.37
	<i>Admire[®] Pro</i>	4.6		

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