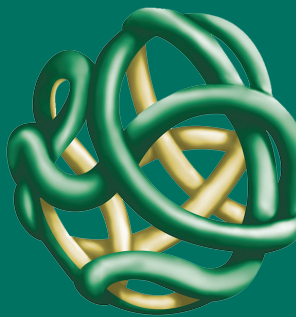


THE  
ALLOSPERSE<sup>®</sup>  
ADVANTAGE



Creating new possibilities for growers, Allosperse enables Vive's Precision Chemistry™ solutions to be compatible with liquid fertilizers and other crop inputs for an easy and more efficient at-plant or foliar application.

COMPETITIVE ADVANTAGES

- Proven performance
- Solution stays in suspension
- Hassle-free tank mixing
- No blending agents required
- Increased leaf coverage
- High customer satisfaction

Superior Liquid Fertilizer Compatibility

AZteroid<sup>®</sup> FC<sup>3,3</sup>



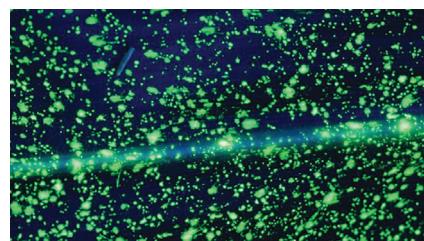
Quadris<sup>®</sup>



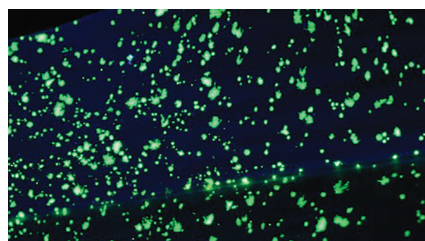
Built with Allosperse Delivery Technology, Vive products mix perfectly with liquid fertilizers, micronutrients, and other crop inputs for a hassle-free, consistent crop protection application.

Superior Foliar Spray Coverage

AZterknot<sup>®</sup>



Quadris<sup>®</sup>



Powered by Precision Chemistry™, AZterknot provides superior foliar leaf coverage. AZterknot droplets stick better than Quadris, improving droplet retention and maximizing the surface area protected (image of corn leaf).

PRODUCT PORTFOLIO WITH REGISTERED CROPS\*

Crop	FUNGICIDES			NEMATICIDE	INSECTICIDES		
	AZterknot <sup>®</sup>	AZteroid <sup>®</sup> FC <sup>3,3</sup>	Phobos <sup>®</sup> FC	Averland <sup>®</sup> FC	Bifender <sup>®</sup> FC	Midac <sup>®</sup> FC	Viloprid <sup>®</sup> 4
Alfalfa / Forages	•	•					
Blueberries	•	•	•				•
Canola	•	•	•		•		
Cereals	•	•	•				
Corn	•	•	•	•	•		
Cotton	•	•	•	•	•		•
Edible Beans / Peas	•	•	•	•	•		•
Grapes	•	•		•	•		•
Hops				•	•		•
Mint	•	•		•			
Onion	•	•		•			
Peanut	•	•	•		•		•
Potatoes	•	•		•	•	•	•
Rice	•	•	•				
Sorghum	•	•					
Soybean	•	•	•		•		•
Strawberries	•	•		•	•		•
Sugarbeets	•	•	•			•	
Tobacco	•	•			•		•
Root & Tuber Vegetables (Group 1)	•	•		•	•		•
Bulb Vegetables (Group 3-7)	•	•		•			
Leafy Vegetables (Group 4)	•	•		•	•		•
Brassica (Group 5)	•	•			•		•
Fruiting Vegetables (Group 8)	•	•		•	•		•
Cucurbits (Group 9)	•	•	•	•	•		•
Citrus (Group 10-10)	•	•		•	•		•
Pome Fruit (Group 11)				•	•		•
Stone Fruit (Group 12)	•	•		•			•
Small Fruit & Berries (Group 13-7)	•	•	•	•	•		•
Tree Nuts (Group 14-12)	•	•		•	•		•
Herbs (Group 19A)	•	•		•	•		•
Oilseeds (Group 20)	•	•	•	•	•		

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

RATE COMPARISON GUIDE

FUNGICIDES	AI (lb/gal)	For Approximate Calculations	Equivalent Application Rate (fl oz/A)
AZteroid <sup>®</sup> FC <sup>3,3</sup>	3.3	Divide by 1.59	Quadris @ 9 oz = AZteroid FC <sup>3,3</sup> @ 5.7 oz
Quadris <sup>®</sup>	2.08		
Phobos <sup>®</sup> FC	3	Divide by 0.75	Proline @ 5.7 oz = Phobos FC @ 7.6 oz
Proline <sup>®</sup>	4		
INSECTICIDES	AI (lb/gal)	For Approximate Calculations	Equivalent Application Rate (fl oz/A)
Bifender <sup>®</sup> FC	1.75	Divide by 1.17	Capture LFR @ 12 oz = Bifender FC @ 10.3 oz
Capture <sup>®</sup> LFR <sup>®</sup>	1.5		
Viloprid <sup>®</sup> 4	4	Divide by 0.87	Admire Pro @ 6.9 oz = Viloprid 4 @ 7.9 oz
Admire <sup>®</sup> Pro	4.6		

\* See label for specific crop rates and rate ranges.



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PRODUCT  
PORTFOLIO

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# PRECISION CHEMISTRY™

## FOR REAL RESULTS

At Vive, we create Precision Chemistry™ that simplifies crop production and delivers real results to growers. Powered by Vive's patented Allosperse® Delivery Technology, we optimize conventional and biological crop inputs for improved product performance from the jug to the field.

### Targeted Protection

Using patented nano-polymers, Allosperse optimizes the chemical or biological active ingredient, enabling targeted placement for more uniform disease or pest protection.

### Tuned for Specific Chemistry

The inside and outside of every proprietary Allosperse nano-polymer is designed for optimal compatibility and performance allowing each active ingredient to reach its full potential.

## FUNGICIDES



CATEGORY	Fungicide + Biostimulant
CONTAINS	Azoxystrobin (1.74 lbs/gal) + Reynoutria sachalinensis extract (1.0 lbs/gal) + Allosperse
GROUP	11 + P5
APPLICATION	Soil or foliar
PACKAGE SIZE	2 x 2.5 gal

For growers looking to improve standability, maximize vigor, and maintain greener plants, AZterknot® provides excellent disease control of major foliar and soil diseases while boosting plant performance under stressful conditions to increase crop quality and yield potential.

#### PERFORMANCE BENEFITS

- Maximizes crop quality and yield potential due to improved nutrient uptake, more efficient photosynthesis, and longer plant greening.
- Prevents diseases with an excellent broad spectrum fungicide.
- Strengthens cell walls to reduce the impact of stress from frost, droughts, and other environmental factors.
- Enhanced leaf coverage improves foliar disease control.

#### 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, Rusts, Sheath blight, Silver scurf



CATEGORY	Fungicide
CONTAINS	Azoxystrobin (3.3 lbs/gal) + Allosperse
GROUP	11
APPLICATION	Soil
PACKAGE SIZE	2 x 2.5 gal

Delivering early-season disease protection, an at-plant application of AZteroid® FC3.3 maximizes yield potential and farming efficiency to get your crops off to a strong start.

#### PERFORMANCE BENEFITS

- Delivers targeted, long-lasting, soilborne disease control resulting in even stand establishment, especially under cold, wet conditions.
- Mixes easily with liquid fertilizers, micronutrients, and other crop inputs, enabling tank mix compatibility and convenience.
- Improves early-season plant health for an increased ROI.

#### 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



CATEGORY	Fungicide
CONTAINS	Prothioconazole (32.3%)
GROUP	3
APPLICATION	Soil or foliar
PACKAGE SIZE	2 x 2.5 gal

Phobos® FC, a ground-breaking Prothioconazole fungicide, provides superior broad-spectrum protection against a wide range of foliar and soil diseases while maximizing crop performance, quality, and yield.

#### PERFORMANCE BENEFITS

- Enhanced disease protection compared to Proline®
- Superior foliar performance delivers increased rainfastness and wide-spread, even leaf coverage.
- Easy-to-use product that is tank-mix compatible with other crop inputs, liquid fertilizers, micronutrients, etc.

#### KEY PESTS CONTROLLED

Anthracnose Leaf Blight, Cercospora Leaf Spot, Early Leaf Spot, Eye Spot, Gray leaf spot, Late Leaf Spot, Leaf Rust, Leaf Scorch and Pepper Spot, Northern Corn Leaf Blight, Rust, Southern Corn Leaf Blight, Web Blotch.

## NEMATOCIDE



CATEGORY	Nematicide, Insecticide, Miticide
CONTAINS	Abamectin (0.7 lbs/gal) + Allosperse
GROUP	6
APPLICATION	Soil or foliar
PACKAGE SIZE	2 x 2.5 gal

Averland FC is a Restricted Use Pesticide.

Averland® FC protects crop quality and yield from nematodes and a broad range of pests in a convenient, easy-to-use application with a proven ROI.

#### PERFORMANCE BENEFITS

- Maximizes yield potential by providing a concentrated area of protection around the seed and root zone when applied at-plant.
- Flexible tank mix partner with liquid fertilizers and other crop inputs.
- Economical and easy to handle, low-use-rate liquid nematicide.

#### KEY PESTS CONTROLLED

Nematodes<sup>1</sup>, 2, Colorado potato beetle, Leafminers, Mites, Psyllids, Thrips<sup>2</sup>

<sup>1</sup> Corn in-furrow, cotton in-furrow, potatoes chemigation  
<sup>2</sup> Suppression only

## INSECTICIDES



CATEGORY	Insecticide, Miticide
CONTAINS	Bifenthrin (1.75 lbs/gal) + Allosperse
GROUP	3
APPLICATION	Soil or foliar
PACKAGE SIZE	2 x 2.5 gal

Bifender FC is a Restricted Use Pesticide.

For growers seeking to control corn rootworm and a broad range of pests, Bifender® FC delivers targeted pest protection and peace of mind during planting in an easy-to-use solution.

#### PERFORMANCE BENEFITS

- Broad spectrum, long-lasting pest control, especially in corn-on-corn acres.
- Helps manage trait resistance in corn rootworm populations.
- Mixes seamlessly with liquid fertilizers and other crop inputs.
- Stays in suspension longer in case of planting delays.
- Delivers peace of mind and an increased ROI.

#### 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



CATEGORY	Insecticide
CONTAINS	Imidacloprid (1.7 lbs/gal) + Allosperse
GROUP	4A
APPLICATION	Soil
PACKAGE SIZE	2 x 2.5 gal

<sup>1</sup> Suppression of symptoms

For sugarbeet growers looking for reliable sugarbeet root maggot control, Midac® FC insecticide delivers a unique liquid fertilizer compatible solution that is more economical and easier to handle than Counter® 20G.

#### PERFORMANCE BENEFITS

- Trusted performance of imidacloprid for long-lasting, systemic pest control.
- The only imidacloprid compatible with liquid fertilizers and other crop inputs.
- At 13.6 fl oz/A, it is a more cost effective solution against sugarbeet root maggot in comparison to 7.5 lbs/A of Counter 20G.
- No need for additional equipment and heavy boxes.

#### KEY PESTS CONTROLLED

Aphids, Beet curly top virus<sup>1</sup>, Flea beetle, Leafhoppers, Sugarbeet root maggot, Western yellows<sup>1</sup>, Whiteflies



CATEGORY	Insecticide
CONTAINS	Imidacloprid (1.7 lbs/gal) + Allosperse
GROUP	4A
APPLICATION	Soil or foliar
PACKAGE SIZE	2 x 2.5 gal or 4 x 1 gal

<sup>1</sup> Suppression of symptoms

The easiest to handle imidacloprid solution, Viloprid® 4 is compatible with liquid fertilizers and other crop inputs and stays in suspension longer compared to Admire® Pro and other leading imidacloprid brands.

#### PERFORMANCE BENEFITS

- Tank mix convenience with the easiest to handle imidacloprid.
- Compatible with liquid fertilizers and other crop inputs.
- Delivers proven, long-lasting systemic performance in the field.
- Outstanding insect control in soil and foliar applications.

#### KEY PESTS CONTROLLED

Aphids, Beet curly top virus<sup>1</sup>, Colorado potato beetle, Flea beetle, Leafhoppers, Potato leaf roll virus<sup>1</sup>, Potato psyllid, Potato yellows<sup>1</sup>, Net necrosis<sup>1</sup>, Thrips, Western yellows<sup>1</sup>, Whiteflies, Wireworms<sup>1</sup>

### FUNGICIDES

### NEMATOCIDE

### INSECTICIDES

AZterknot® AZteroid® FC<sup>3.3</sup> Phobos® FC Averland® FC Bifender® FC Midac® FC Viloprid®4