



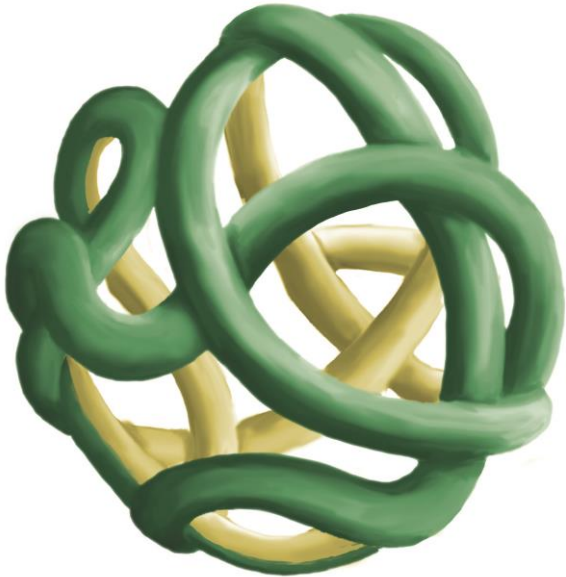
VIVE IS
PRECISION
CHEMISTRY

THE MISSING LINK IN PRECISION AG



ALLOSPERSE

REVOLUTIONARY DELIVERY SYSTEM IN A JUG



- Outside controls interaction
- Outside is hydrophilic (mixes with water) to change how the product behaves in solution
- Inside is hydrophobic (repels water) and attracts the active ingredient

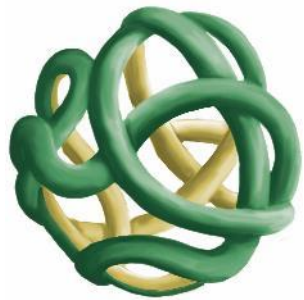
Allows products that were previously incompatible with liquid fertilizer to now be mixed for convenient, uniform and hassle-free application

ALLOSPERSE[®]

DELIVERY SYSTEM

HOW DOES IT WORK?

Nano-polymer shuttles carry active ingredient to intended target.



NANO
SHUTTLE



ACTIVE
INGREDIENT



ACTIVE
INGREDIENT
with
ALLOSPERSE

The Need for Allosperse



What happens when mixing competitor products with liquid fertilizer and zinc

ALLOSPERSE[®]

DELIVERY SYSTEM

PRECISION CHEMISTRY FOR
NO MORE ...



- GUMMED UP TANK MIXES
- CLOGGED LINES, NOZZLES & FILTERS
- BLENDING AGENTS
- WASTED CROP INPUTS

RHIZOCTONIA STAND LOSS



**What's the cost of poor mixing,
plugged screens, and plugged tips?**

VIVE PRECISION CHEMISTRY

FC BENEFITS

NO SPECIAL EQUIPMENT
NECESSARY

NO BLENDING AGENTS

STAYS IN SUSPENSION, EVEN
WHEN APPLICATION IS DELAYED



WORRY-FREE TANK-MIXING

PROVEN CONTROL

EXTREMELY HIGH CUSTOMER
SATISFACTION

MAXIMIZES YIELD POTENTIAL AND EFFICIENCY

CROP PROTECTION



VIVE FC PRODUCTS

TESTED WITH
200+
FERTILIZERS

COMPETITOR



 **AZteroid[®] FC^{3.3}**

VIVE FC PRODUCTS

TESTED WITH
200+
FERTILIZERS

 **AZteroid[®] FC^{3.3}**
+
 **Midac[®] FC**

COMPETITOR
Azoxystrobin +
Imidacloprid





Generic Azoxystrobin+10-34-0



Quadris + 10-34-0



AZteroid FC 3.3 + 10-34-0



PRODUCT PORTFOLIO



Azoxystrobin

Abamectin

Bifenthrin

Imidacloprid

Imidacloprid

Azoxystrobin
+
Biological

AZTEROID® FC 3.3

AZteroid® FC 3.3 fungicide provides fertilizer-compatible, in-furrow disease protection, and plant health benefits in a wide range of crops.

**Convenient
& Easy to
Use**

Reliable ROI

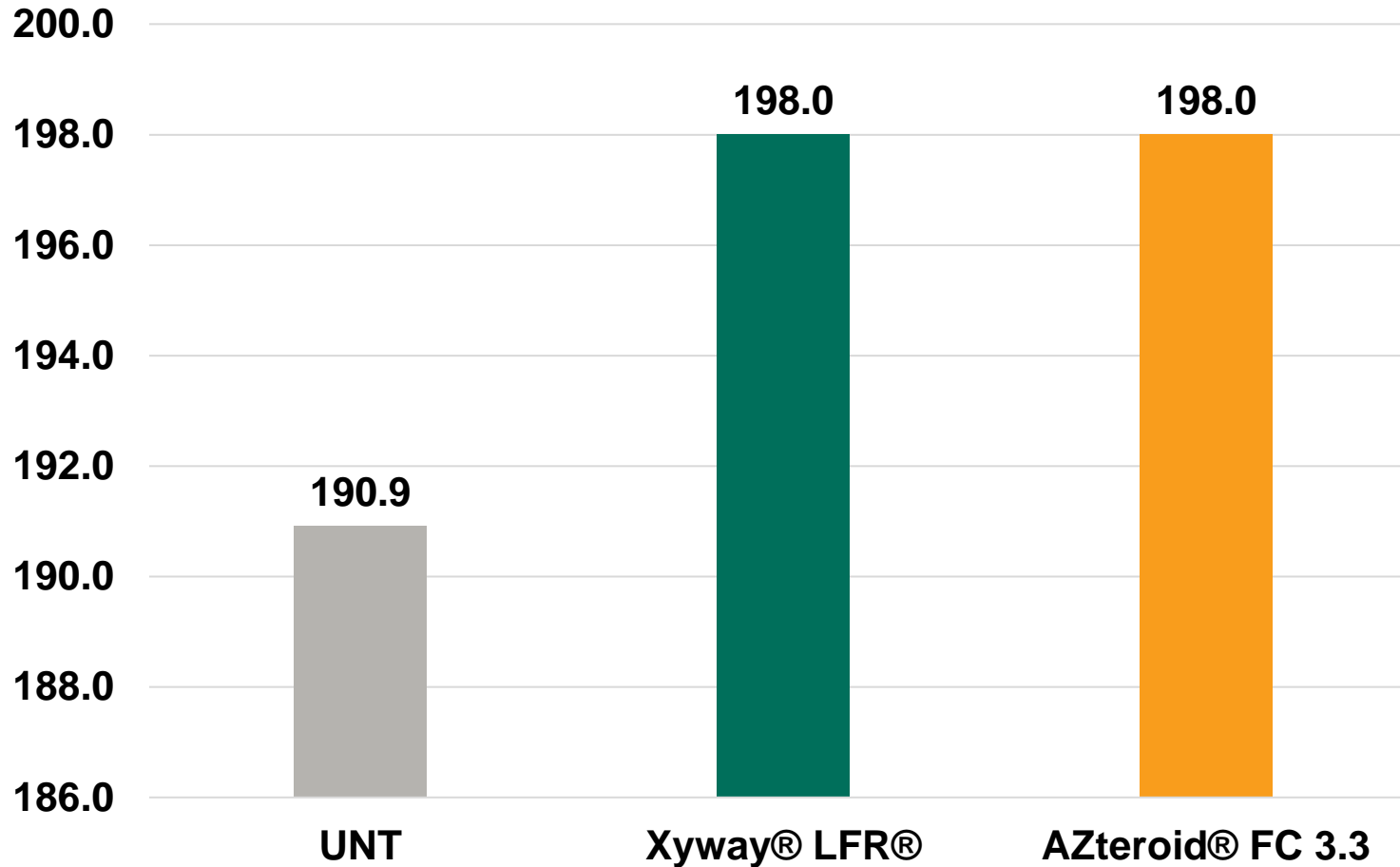
**Proven
performance
with a
trusted AI**

**Peace of
mind with
improved
plant health**



AZteroid® FC 3.3 vs. Xyway® LFR®

Yield (bu/ac)



- 2021-2022 Trial Averages
- Small plot replicated and cooperator strip trials
- N = 9 (OH, SD, KY, MN, NE)
- AZteroid® FC 3.3 provides excellent ROI and yield increases across geographies

BIFENDER FC

Bifender® FC is a fertilizer compatible bifenthrin that provides in-furrow, insect control of primary and secondary pests.

Consistent
Performance
from the
First to the
Last Acre

Trusted
Performance
of Bifenthrin

Operational
Efficiency

Proven
Payback
when
Resistant
Corn
Rootworm is
Present

Easy to Use



Bifender[®] FC

STAYS IN SUSPENSION LONGER AFTER A DELAY

Consistent
Performance
from the
First to the
Last Acre

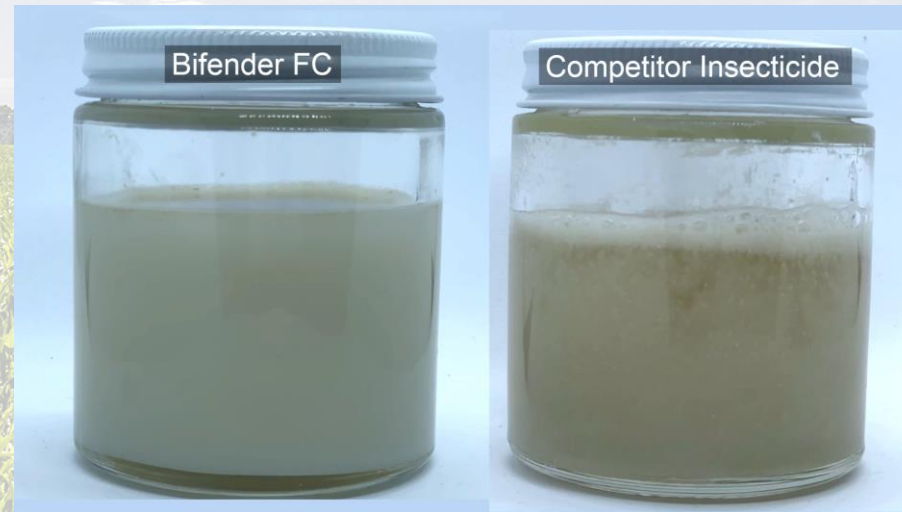
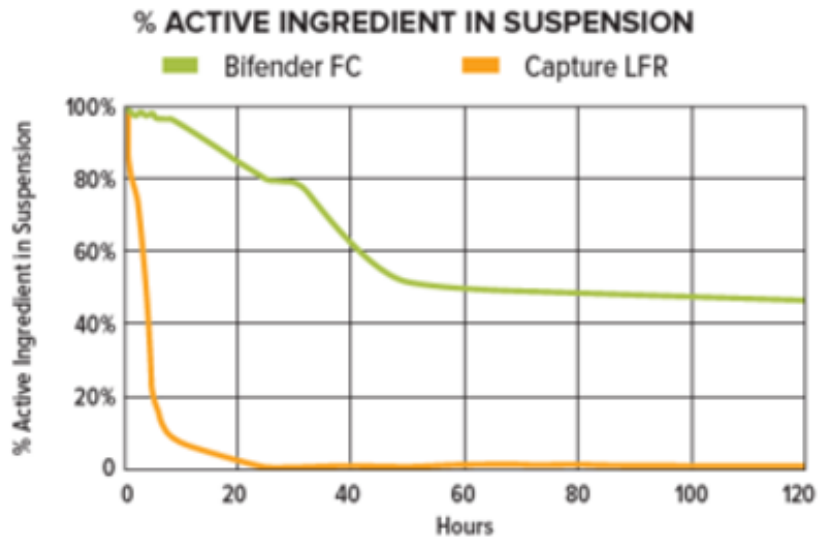
Stays in suspension
longer for a more
uniform application.



Bifender FC



Capture[®] LFR[®]



Bifender FC insecticide mixed with 10-34-0 vs. a competitor insecticide over the course of six hours.



 **Averland[®] FC**

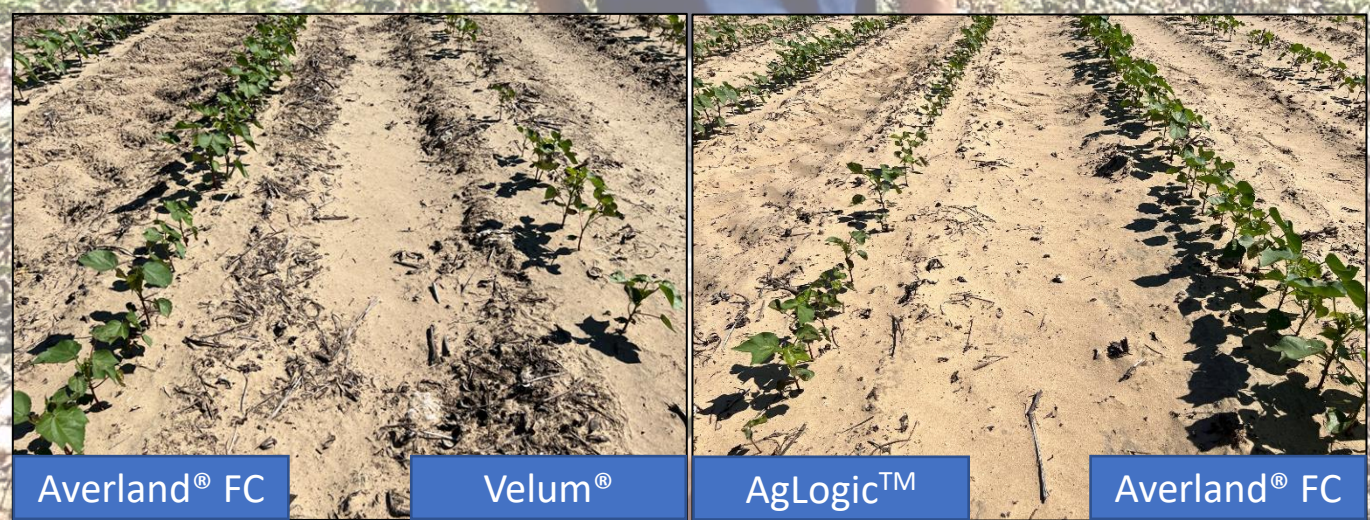
CATEGORY	Nematicide, Insecticide, Miticide
CONTAINS	Abamectin + Allosperse
GROUP	6
APPLICATION	Soil or foliar
COMPARE TO	Agri-Mek [®] SC
PACKAGE SIZE	4 x 1 gal 2 x 2.5 gal

Averland FC is a Restricted Use Pesticide.

Averland® FC

Reliable
Performance
with Proven
ROI

Applied in-furrow, **protects yield potential** through a concentrated area of protection for the seed and root zone through critical early stages of crop development.



Averland® FC

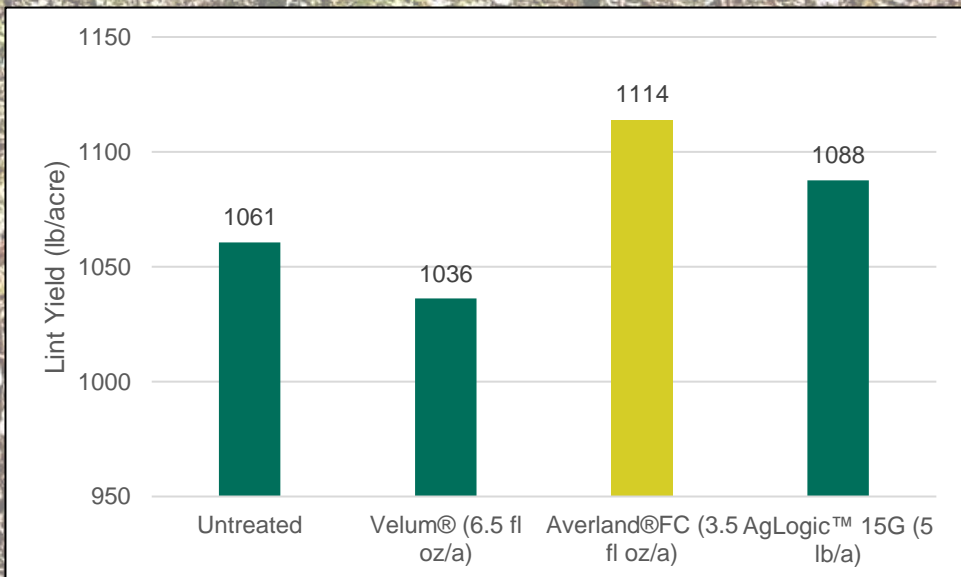
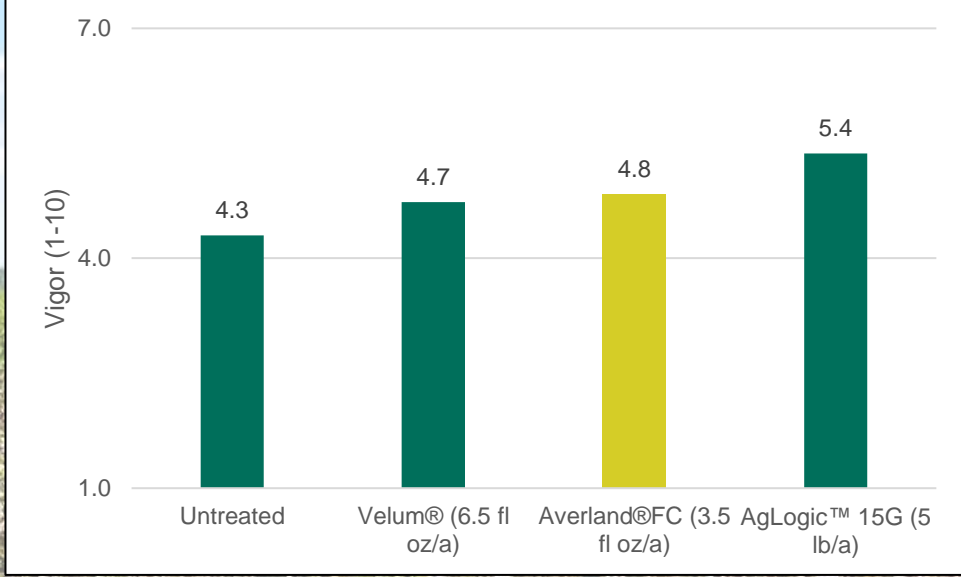
Velum®

AgLogic™

Averland® FC

2022 Field Trial Early Season Results,
Belvidere, NC

Averland® FC In-furrow in Cotton Preserved Vigor and Protected Stands Against Southern Root-knot & Reniform Nematode



2022 Cotton Production Research Report, Belvidere, NC, 07/14/2022

VILOPRID® FC1.7

Viloprid® FC^{1.7} imidacloprid insecticide offers broad-spectrum control across a wide range of crops for both in-furrow and foliar applications with an added benefit of liquid fertilizer and other input compatibility.

Convenient
and
Hassle-free

Confidence of
Proven Pest
Control

Reliable and
Flexible Pest
Management
Tool



Viloprid™ FC^{1.7}

Reliable and
Flexible Pest
Management
Tool

Provides **outstanding control**
of many damaging insects for
soil and foliar applications.

POTATOES

Aphids, Colorado potato beetle, Flea beetles, Leafhoppers, Potato psyllid Suppression of symptoms of: *Potato leaf roll virus (PLRV), Potato yellows, Net necrosis, Wireworms*

CITRUS

Aphids, Psyllids, Leafhoppers, Scales, Whiteflies

COTTON

Aphids, Plant bugs, Thrips, Whiteflies

EDIBLE BEANS

Aphids, Leafhoppers, Thrips, Whiteflies

* For a full list of crops and pests, refer to label.

Aphids



Plant Bug



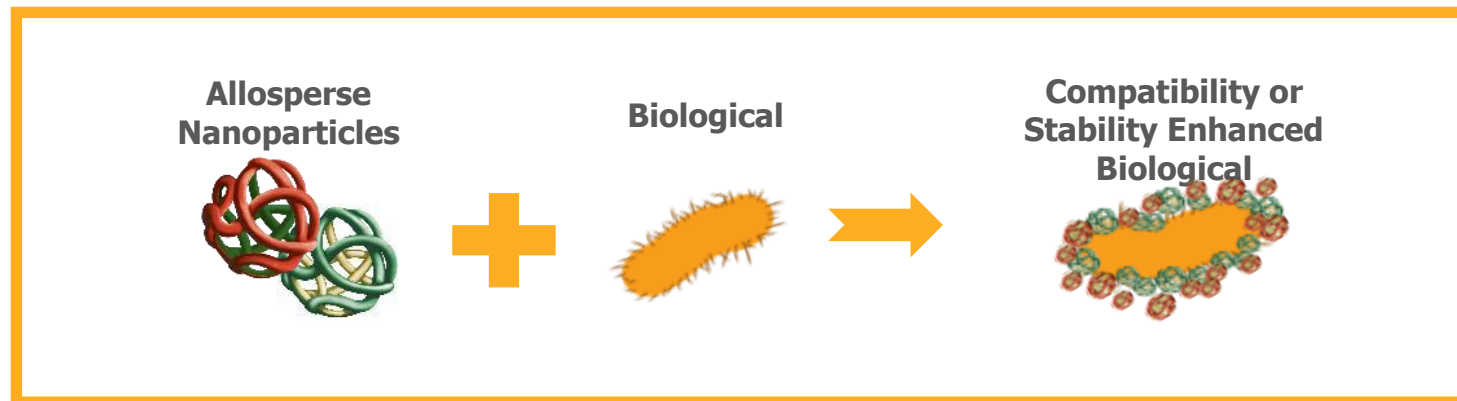
Thrips



Newest Platforms

Bio

- **Bio:** Creates more effective biologicals
- Improves viability of biologicals in solution and in seed treatments
- Improves shelf life
- Improves compatibility when combined with crop inputs
- Provides a strong resistance management option





 AZterknot™

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

The first three-way fungicide that combines the benefits of biological (*Reynoutria* extract) with the performance of chemistry (azoxystrobin) and the ease of Allosperse® to provide ground-breaking disease control, better plant health and greater ROI.

Why AZterknot?

GROUP 11

GROUP P5

Excellent choice for
resistance management

Two modes of action:
group 11 and group P5



 **AZterknot**[™]

Conventional + biological +
Allosperse

Mixes well with liquid fertilizer, hard water and other inputs,
even in low volume solutions

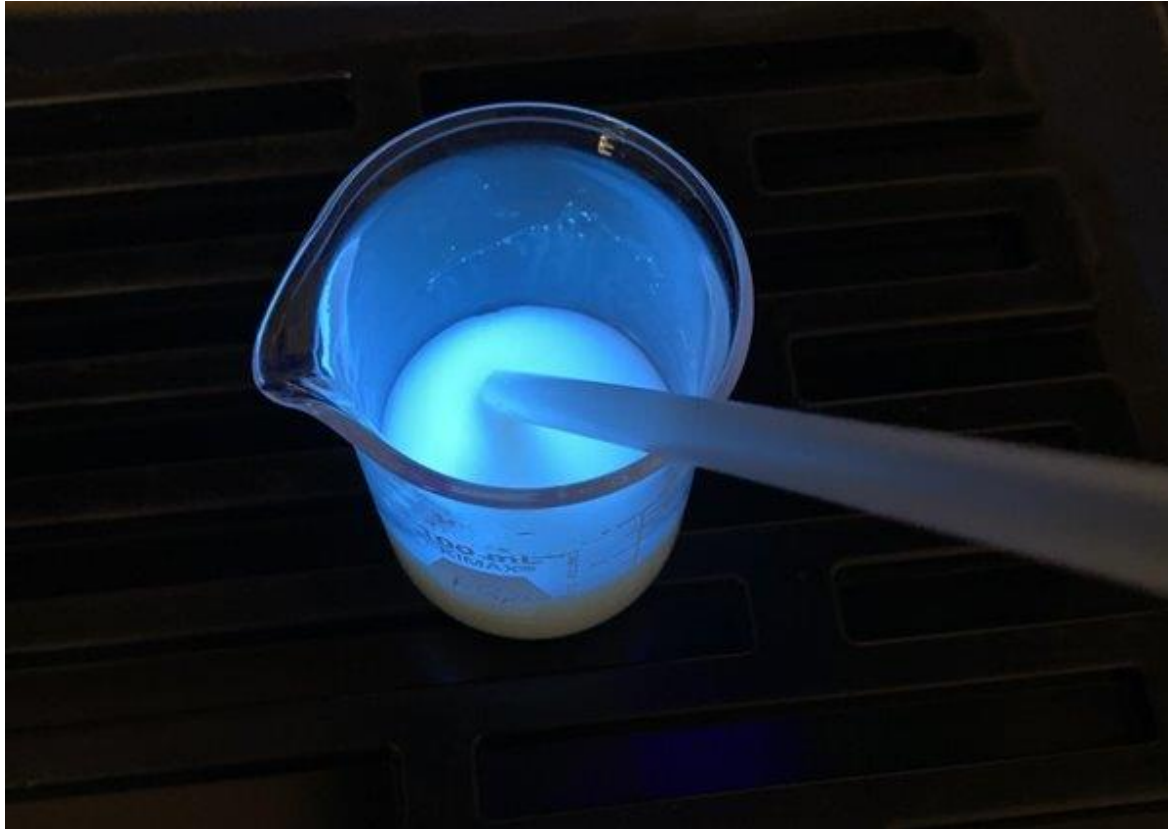


Conventional + biological
without Allosperse

Droplet Behavior on Corn Leaves



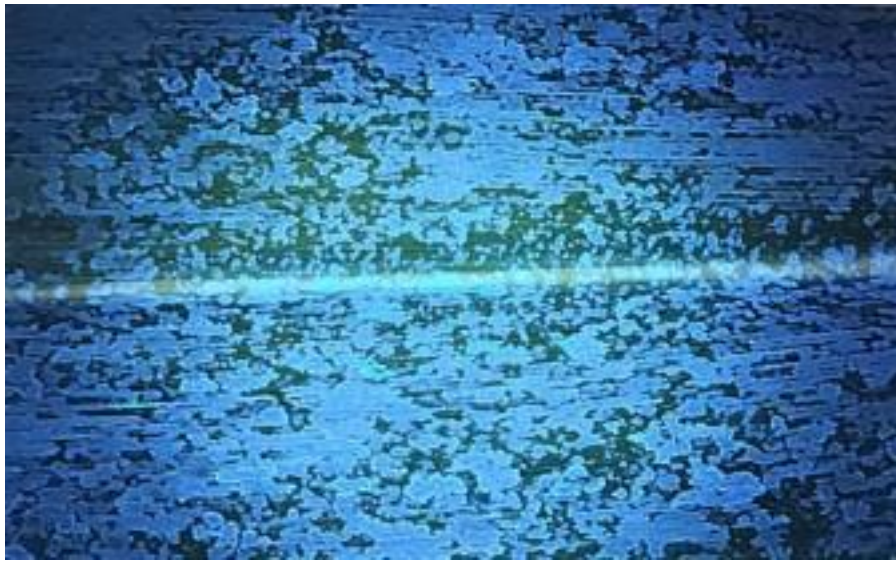
20 mg Fluorescent Brightener 28
AZteroid FC 3.3 (5.7 fl oz/ac) and Quadris (7 fl oz/ac) in 15 gal/ac



Quadris®



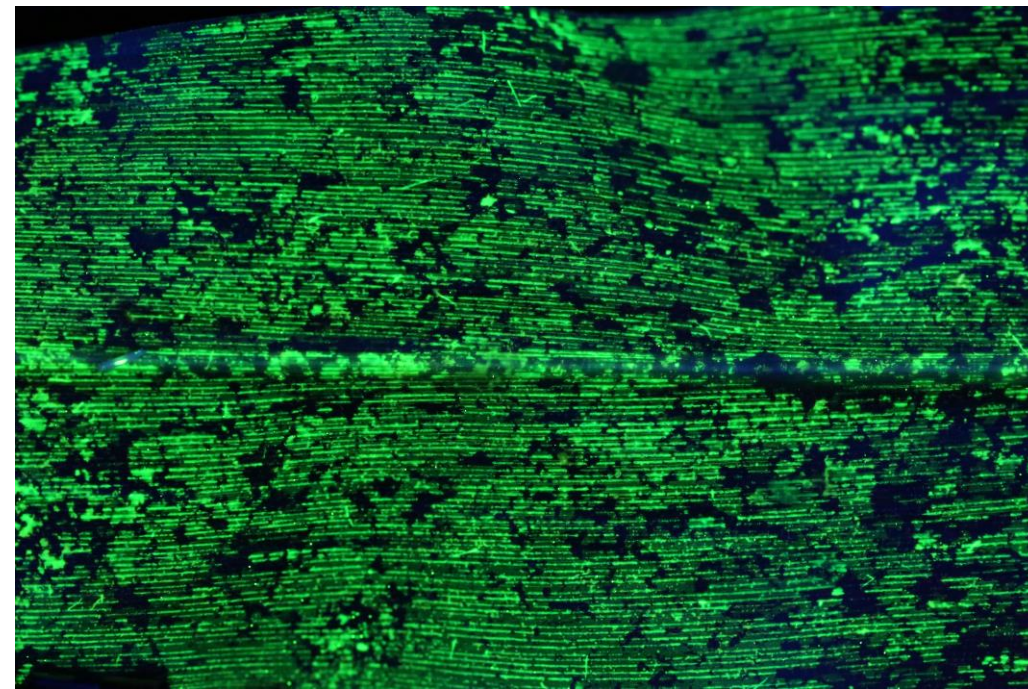
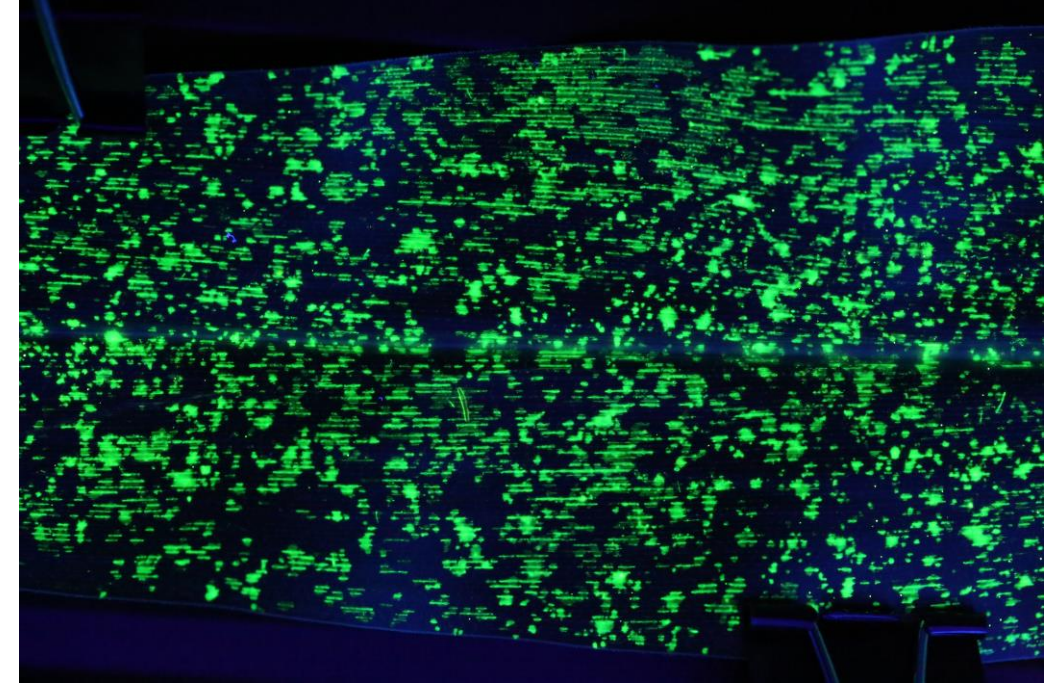
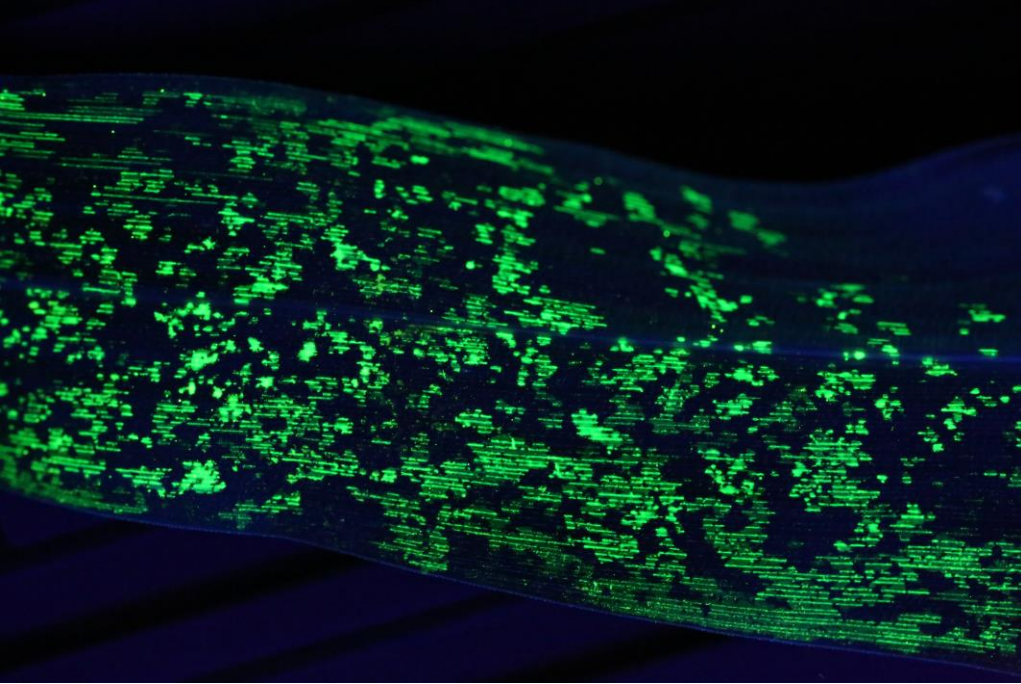
Allosperse in Vive products creates the best foliar leaf coverage



AZteroid FC 3.3 + NIS



Competitive azoxystrobin + NIS



**Competitor
azoxystrobin
15 GPA + NIS**

AZteroid® FC 3.3 15 GPA + NIS

**AZterknot®
15 GPA + NIS**

WWW.VIVECROP.COM

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VIVE CROP PROTECTION

