



Emerging Technologies from BASF

Louisiana Agricultural Technology & Management Conference
February 13, 2020

Alvin Rhodes
Technical Service Rep.

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A Complete Soybean Portfolio Offer Spring 2020

4-Way Disease Protection

New for 2020

**The fungicide
foundation**

Obvius® Plus

Fungicide Seed Treatment

Broad spectrum 4-way
disease protection with
early-planting benefits

Xemium®
fungicide

Long-lasting,
systemic disease
protection

F500®
fungicide

Early-season
stress tolerance +
disease control

Metalaxyl

Protection from
critical diseases in
cool, damp soils

**Thiophanate-
methyl**

Defense against
seed decays

Protects against: *Pythium, Phytophthora, Fusarium* and *Rhizoctonia*

Transfer of EPA registration to BASF in progress for Poncho family and ILEVO.
State registrations are in progress for Obvius Plus and Poncho (soybean).





A Complete Soybean Portfolio Offer Spring 2020

New for 2020

The fungicide foundation

Obvius® Plus

Fungicide Seed Treatment

Broad spectrum 4-way disease protection with early-planting benefits

Early season insect control

PONCHO® Seed Treatment

Trusted protection against damaging early season insects

SDS & Nematode control



Only effective product for both SDS & nematodes

Plantability Polymer and Colorants

Flo Rite® 1706

Plantability Polymer

Enhances seed flow and plantability with uniform coverage

Color Coat™

Seed Treatment

Vibrant colors with low viscosity, ready-to-use formulations

Expected for 2021

Inoculate & Protect

Vault® IP Plus

Seed Treatment

EPA-registered, dual-strain biofungicide plus inoculant for vigorous roots, increased nutrient uptake and plant growth

Transfer of EPA registration to BASF in progress for Poncho family and ILEVO. State registrations are in progress for Obvius Plus and Poncho (soybean).

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Outlook®

Herbicide

Corn

- Preplant, PPI, PRE
- EPost (up to 12 in.)

Cotton

- EPost (from 1st true leaf to beginning bloom stage)

Soybeans

- Preplant, PPI, PRE
- EPost (up to 5th trifoliolate)

Peanuts

- Preplant, PPI, PRE
- Early Post (up to 80 days before harvest)



Zidua® SC

Herbicide

Corn

- Preplant, PPI, PRE
- EPost (up to V4)

Cotton

- Post-directed or Layby (from 5-leaf to beginning bloom stage)

Soybeans

- Preplant, PPI, PRE
- **EPost (up thru V6 stage)**

Peanuts

- Early Post (cracking to pod development)

Group 15 herbicides

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Sugarcane Rotation

- Reduced from 18 months to 4 months



Rotation



Engenia®

Herbicide

- Dicamba (BAPMA formulation)
- Group 4 – Auxin Agonist
- Postemergence control of broadleaf weeds
- Labeled: DT Cotton, DT Soybeans and others
- Rate: 12.8 fl oz/A

Engenia® PRO

Herbicide



- Dicamba + pyroxasulfone
- Groups 4 + 15
- Postemergence control of broadleaf weeds
- Residual weed control
- Registration expected in 2020 for application on DT crops

Postemergence & Residual Control



Engenia PRO is not registered or available for sale.

Engenia[®] PRO

Herbicide



■ Primary Crop

- **Dicamba Tolerant Soybeans**
up to 45 days after planting or V6
whichever comes first

■ Secondary Crops

- **Dicamba Tolerant Cotton (layby only)**
up to 60 days after planting or mid-bloom
whichever comes first
- **Fallow, other minor uses**

Postemergence & Residual Control



Engenia PRO is not registered or available for sale.

Dicamba Stewardship Training



- Tuesday, February 18, 2020
- 1:00 PM
- State Evacuation Center
- Alexandria, LA

Dicamba Tolerant Soybeans & Cotton

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Armezon®

Herbicide

- Topramezone
- Group 27 – Pyrazole
- HPPD Inhibitor
- Labeled: Corn
- EPost (spike to V8 stage)
- Post weed control

Armezon PRO

Herbicide



- Topramezone + dimethenamid
- Groups 27 + 15
- HPPD + VLCFA inhibitors
- Labeled: Corn
- PRE or EPost (spike to 12 in.)
- Post and residual weed control



Postemergence Control

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Untreated Check

6 DAT



**Armezon PRO 16 fl oz/A +
Atrazine 48 fl oz/A + Roundup PowerMax 32 fl oz/A**



Armezon PRO
Herbicide



75 DAT

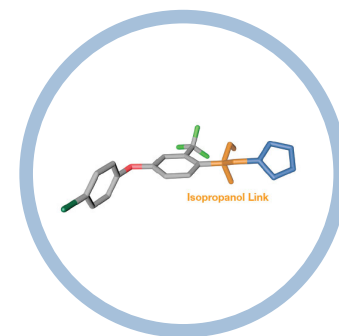


7/29/19

Revysol® Fungicide

Residual, Resistance and Registration Advantages

- Common name – mefentrifluconazole
- Group 3 subclass – isopropanol-azole
- Mode of Action: Demethylation inhibition FRAC Group 3 (DMI)
- Registered on Corn, Grain Sorghum, Soybean, Peanut and others
- Very broad spectrum disease activity
- Systemic absorption with both eradication and preventative activity
- Fits a wide range of crops covering some 50 countries
- Demonstrated control on azole resistant biotypes










Revysol®
Fungicide

Revysol® Fungicide

Controls the Diseases that Matter Most



Corn 	Gray leaf spot Northern corn leaf blight Southern corn leaf blight Southern rust Tar spot	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
Soybean 	Frogeye leaf spot Septoria Brown spot Cercospora blight Aerial web blight	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
Peanuts 	Late leaf spot Early leaf spot Southern stem rot Rhizoctonia limb rot	● ● ● ● ● ● ● ● ● ● ● ● ● ●

Apples 	Scab Summer diseases	● ● ● ● ● ● ● ●
Tomatoes 	Black spot PFD Greasy spot	● ● ● ● ● ● ● ● ● ● ●
Grapes 	Powdery mildew Black rot Phomopsis	● ● ● ● ● ● ● ● ● ●
Potatoes 	Early blight Black dot	● ● ● ● ● ● ●

Revysol®
Fungicide

● ● ● Good
 ● ● ● ● Excellent

The performance of **Revysol®** depends on its usage rate and formulation type

Revysol® Fungicide

Veltyma™
Fungicide

Revytek™
Fungicide

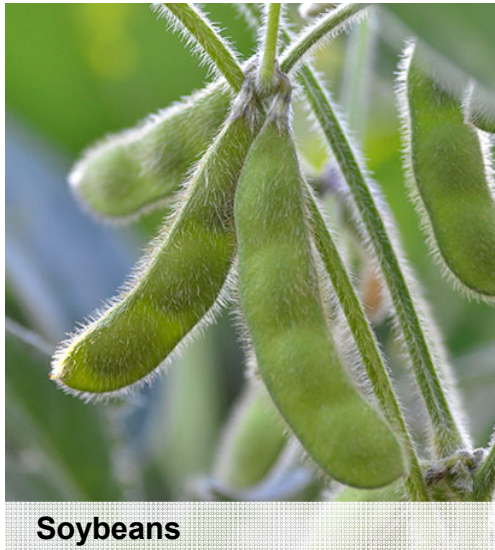
Provysol™
Fungicide

Cevya®
Fungicide



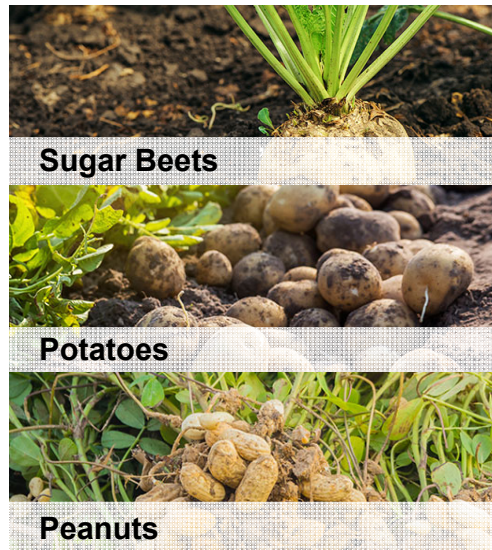
Corn

**Revysol +
Pyraclostrobin**



Soybeans

**Revysol +
Pyraclostrobin + Xemium**

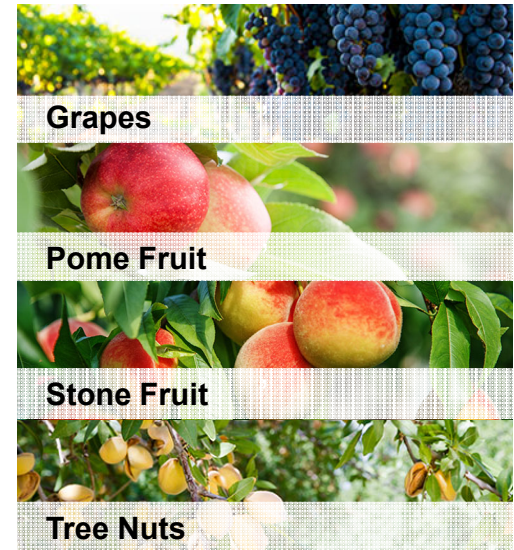


Sugar Beets

Potatoes

Peanuts

Revysol



Grapes

Pome Fruit

Stone Fruit

Tree Nuts

Revysol + Xemium

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Veltyma[®] Fungicide – Features and Best Use Recommendations

Features

Active Ingredients

Mefentrifluconazole – Group 3
Pyraclostrobin – Group 11

Formulation

Suspension concentrate (SC)

Product Packaging

2x2.5 gallons
250 gallon mini bulk

Storage

Storage above 32°F

Bulk Density

9.513 lbs/gal

Best Use Recommendations

- **Use Rate:** 7 fl oz/A
- **Rainfast:** When dry
- **REI:** 12 hours
- **PHI:** 21 days for corn
- **Adjuvant:** Can be used to improve coverage
- **Nozzle, droplet size:** Flat fan, fine to medium
- Veltyma fungicide may be applied at all vegetative and reproductive stages of corn development
- V16-R3 for optimal Plant Health benefits
- V10-V16 expanded application window
- See label for adjuvant use limitations on corn

Target Diseases

- Anthracnose
- Eyespot
- Gray leaf spot
- Northern corn leaf blight
- Common rust
- Southern rust
- See label for complete listing of diseases

Veltyma[™]
Fungicide

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Revytek™ Fungicide – Features and Best Use Recommendations

Features

Active Ingredients

Mefentrifluconazole – Group 3
Fluxapyroxad – Group 7
Pyraclostrobin – Group 11

Formulation

Suspension concentrate (SC)

Product Packaging

2x2.5 gallons
110 gallon mini bulk

Storage

Storage above 32°F

Bulk Density

9.513 lbs/gal

Best Use Recommendations

- **Use Rate:** 8 fl oz/A
- **Timing:** R2-R4 growth stage
- **Rainfast:** When dry
- **REI:** 12 hours
- **PHI:** 21 days for soybean
- **Adjuvant:** Can be used to improve coverage
- **Nozzle, droplet size:** Flat fan, fine to medium
- **Tank mixing:** Can be tank mixed with other products, including insecticides like Fastac™ insecticide
- **Other crops:** Corn (V10-R3) and peanuts

Target Diseases

- Alternaria leaf spot
- Anthracnose
- Asian soybean rust
- Brown spot
- Cercospora blight
- Frogeye leaf spot (including resistant strains)
- Pod and stem blight
- Rhizoctonia aerial web blight
- Sclerotinia blight (suppression)
- Target spot

Revytek™
Fungicide

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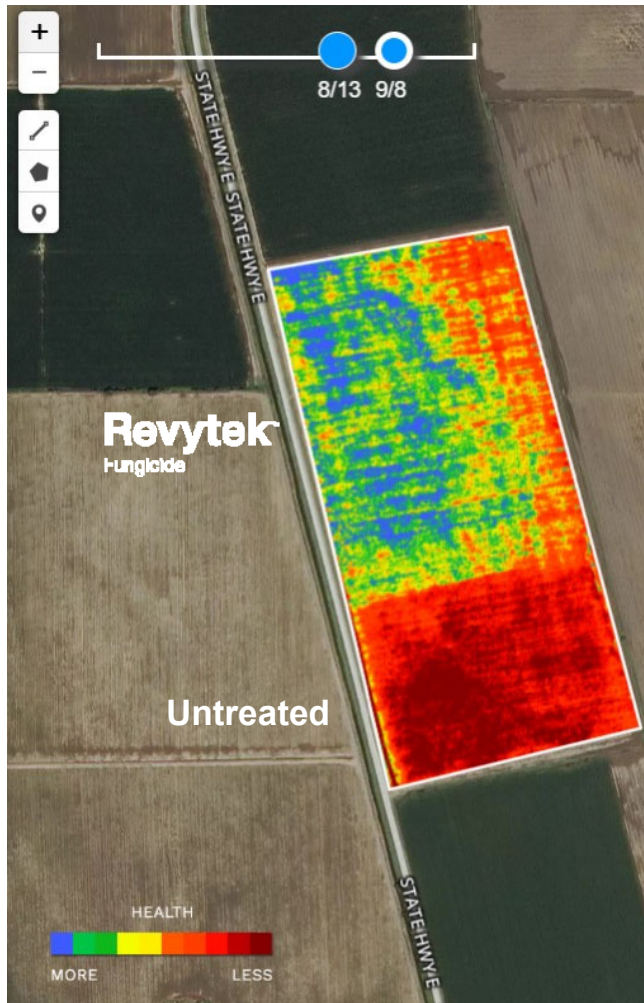
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NDVI Shows BASF Plant Health in Action

2019 On-Farm Corn Fungicide Trial – New Madrid, MO



Optimized Growth Efficiency



Revytek® fungicide 8 fl oz/A at VT



NDVI Shows BASF Plant Health in Action

2019 On-Farm Soybean Fungicide Trial – New Roads, LA



Optimized Growth Efficiency



Revytek
Fungicide

Northrup King 49F5X
Planted 5/20/19
Application 7/27/19

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Experience the Difference with BASF Plant Health

When you use Plant Health products from BASF you can minimize the impacts of disease and environmental stress, leading to consistently healthier fields and higher yields.



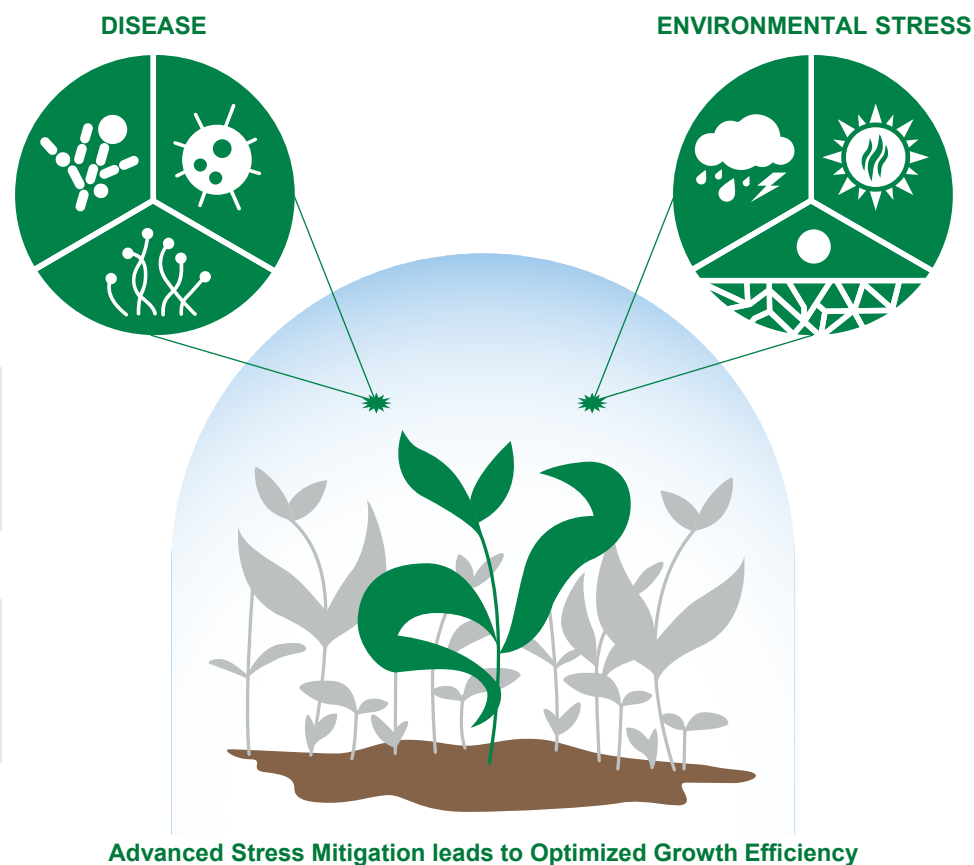
Revytek™
Fungicide

Priaxor®
Xemium® Brand Fungicide



Veltyma™
Fungicide

Headline AMP®
Fungicide



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