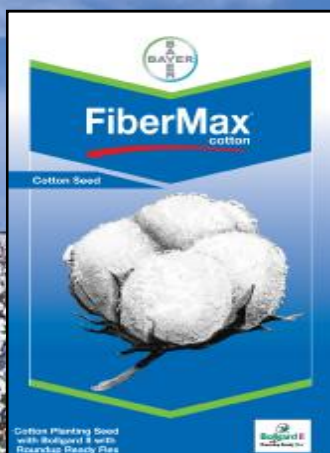




Bayer CropScience

**Bayer Product Update
for 2010 Season
LACA
Alexandria, LA**

Bayer CropScience Cotton Variety Update



2010



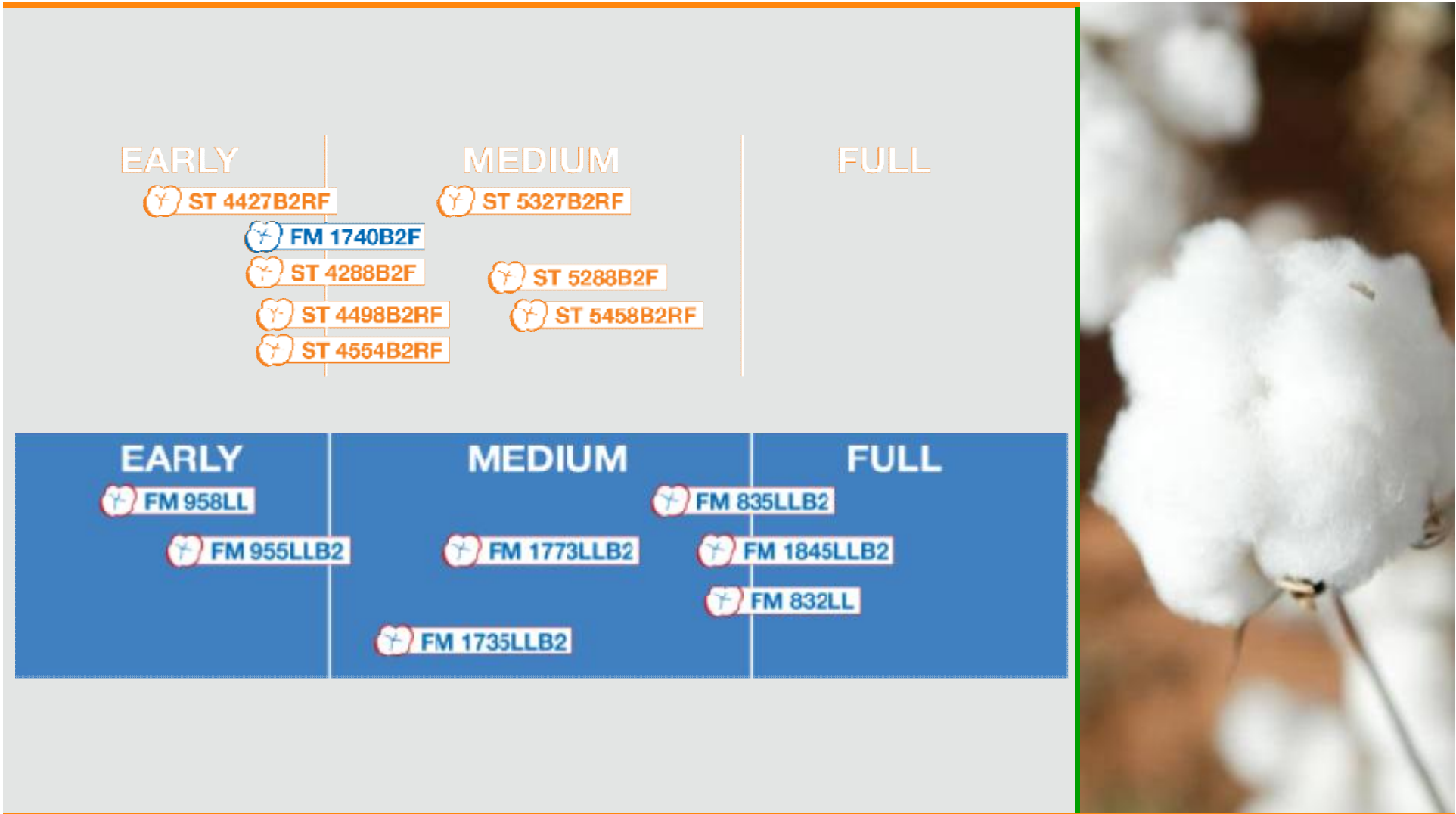
Kyle Fontenot
Regional Agronomist
Bayer CropScience

Eastern Cotton Varieties

- **B2F**
 - **ST 5458B2RF**
 - **ST 5288B2F**
 - **ST 4288B2F**
 - **FM 1740B2F**
 - **ST 4498B2RF**
 - **ST 4554B2RF**
 - **ST 4427B2RF**
 - **ST 5327B2RF**
- **Liberty Link**
 - **FM 1845LLB2**
 - **FM 1773LLB2**
 - **FM 1735LLB2**



Variety Relative Maturity



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Right Variety Right Field – Louisiana

	Light Soils		Medium Soils		Heavy Soils		RKN
	Dryland	Irrigated	Dryland	Irrigated	Dryland	Irrigated	
ST 4288B2F		ü		ü		ü	ü
ST 4427B2RF	ü	ü*	ü	ü		ü	
ST 4498B2RF	ü	ü	ü	ü	ü	ü	
ST 4554B2RF	ü	ü	ü	ü	ü	ü	
ST 5288B2F	ü	ü*	ü	ü*	ü	ü*	
ST 5458B2RF	ü	ü*	ü	ü*	ü	ü*	ü
FM 1740B2F		ü		ü		ü	
FM 1773LLB2		ü		ü		ü	
FM 1845LLB2	ü	ü*	ü	ü*	ü	ü*	

* Manage with Stance Plant Growth Regulator

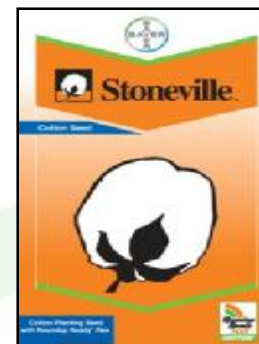
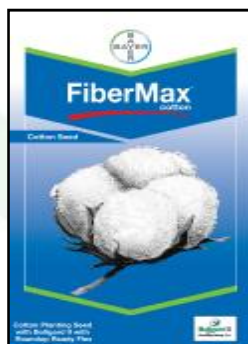
Plant 3 or more Stoneville/FiberMax Varieties





Cotton Summary

- **Newer varieties show tremendous promise despite challenging year**
- **BCS committed to Cotton industry**
 - Glytol
 - Glytol, Liberty Link
 - Glytol, Liberty Link, B2
 - Glytol, Liberty Link, Twinlink
- **Contact local BCS Sales Rep and/or Agronomist**



THE DAILY BEAN. 

NEW
**LIBERTYLINK
SOYBEANS
ARRIVE**

YIELDS UP
No drag or lag.



**LIBERTY
LINK** 
IGNITE™ HERBICIDE TOLERANT



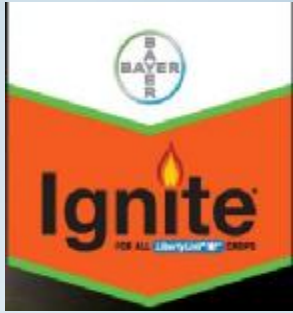
Bayer CropScience

The LibertyLink Soybean System

- Comprehensive Weed Control System
- Unprecedented crop resistance
- Wide window of application
- Fast, effective control of all major soybean weeds
- New management tool to combat weed resistance and shifts
- LibertyLink will be launched in high yielding varieties

**LIBERTY
LINK** 
IGNITE™ HERBICIDE TOLERANT

 Bayer CropScience



Ignite 280 Herbicide

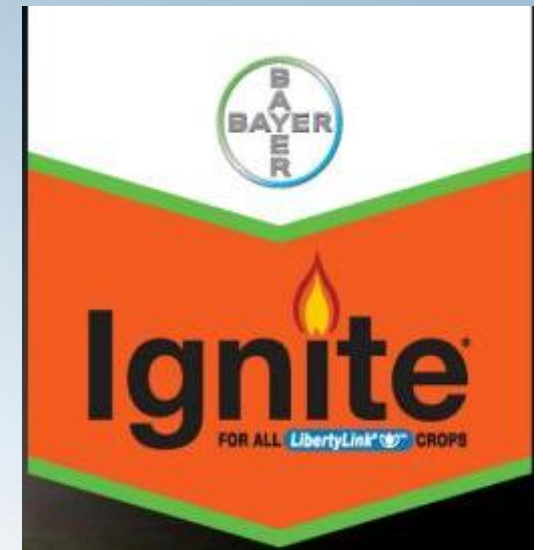
- Ignite herbicide is a nonselective, contact herbicide that provides postemergent control of more than 120 broadleaf weeds and grasses, including ALS- and glyphosate-resistant weeds.
- Ignite 280
 - 22 fl oz/ac per application use rate for corn and soybeans

**LIBERTY
LINK**
IGNITE™ HERBICIDE TOLERANT

 Bayer CropScience

Ignite and LibertyLink Soybeans

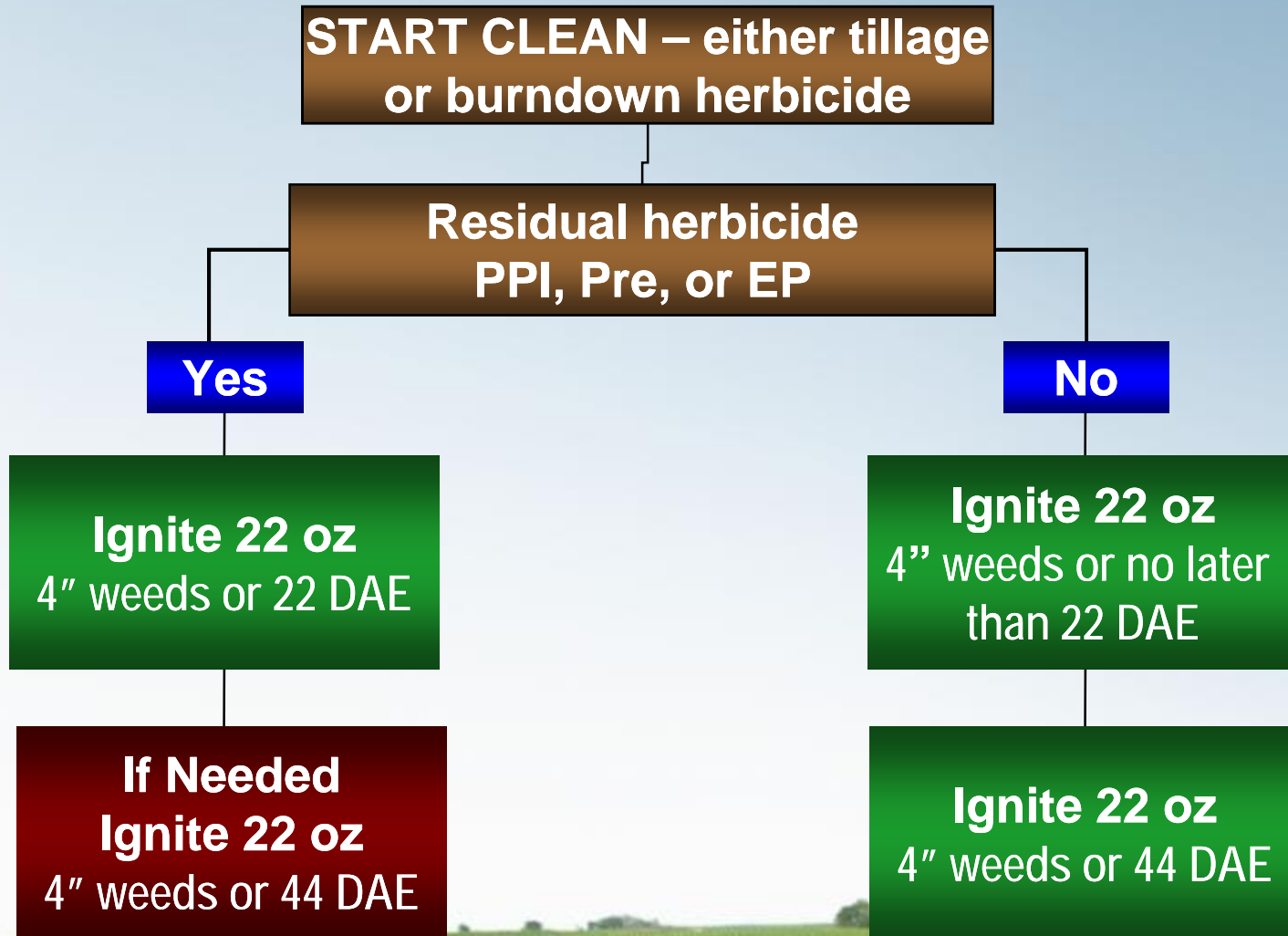
- LibertyLink varieties are high-yielding, with no yield lag or drag.
- Bayer CropScience has broadly licensed the LibertyLink trait to multiple leading seed companies.
- LibertyLink varieties combine high-yielding genetics with the powerful, nonselective, postemergent weed control of Ignite herbicide.
- Ignite and the LibertyLink trait provide an excellent means for growers to rotate nonselective herbicides to effectively manage weed resistance and preserve the utility of herbicide-tolerant technologies.



**LIBERTY
LINK**
IGNITE HERBICIDE TOLERANT

 Bayer CropScience

Ignite Weed Control Guidelines



LibertyLink Soybeans for 2010

- Field Performance in 09 was very good. Yields were as good or better than many RR varieties on the market.
-
- New 2010 LL varieties available from several seed companies ranging from 4.2, 4.4, 4.6, 4.9, 5.2, 5.6 and 5.8 groups.

**LIBERTY
LINK** 
IGNITE™ HERBICIDE TOLERANT



Bayer CropScience

- **Postemergence (VE – V8)**
- **3 oz/A in combination with atrazine + Ignite or glyphosate**
- **Adjuvants Required**
- **Excellent Crop Safety**
- **Weed Resistance Management**



Bayer CropScience

Adjuvants



- **MSO is the preferred surfactant in most cases to optimize weed control.**

MSO is recommended with Laudis by itself and in combination with atrazine and/or several other tank-mix partners.

- **Glyphosate-compatible High Surfactant Oil Concentrates are also recommended in Laudis + glyphosate combinations.**

The ability to use a compatible oil with Laudis in glyphosate combinations optimizes the weed control from Laudis and is required with “unloaded” (does not contain adjuvant) glyphosate formulations. HSOC is also required in the combination when less than full rates of “loaded” glyphosate formulations are selected since the adjuvant delivered is also reduced with lower glyphosate rates.

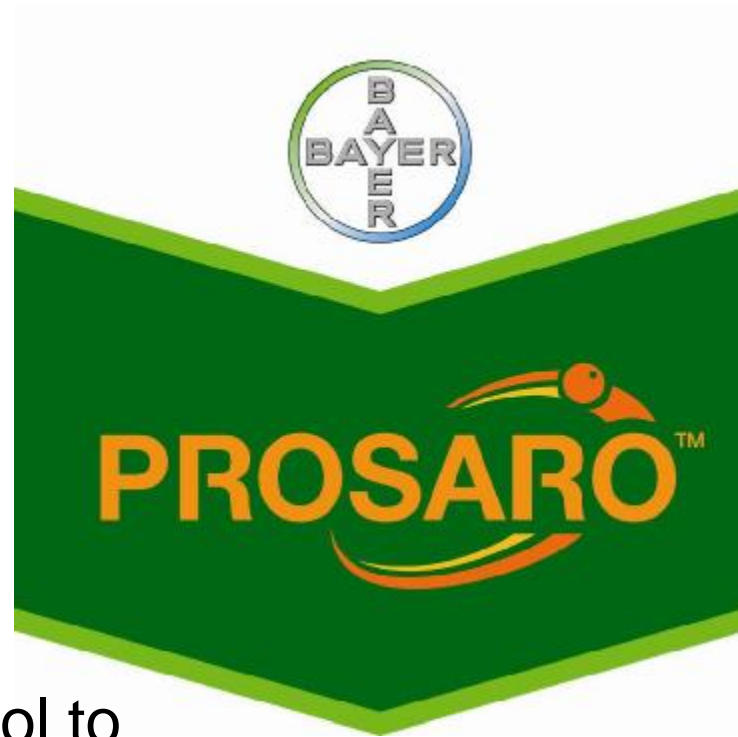
Adjuvant Requirements



Laudis will need to be combined with an adjuvant system and a nitrogen fertilizer source to achieve maximum control.

- One of the two following oil adjuvant systems will need to be used when Laudis is applied as the only herbicide or with atrazine. *See the table on the following slide for more details.*
 - High Surfactant Oil Concentrate (HSOC)
 - Methylated seed oil (MSO)
- You will also need to add one of these nitrogen fertilizer sources. *See the table on the following slide for more details.*
 - Urea ammonium nitrate (UAN) at 1.5 qt/A
 - A spray grade ammonium sulfate (AMS) at a rate of 8.5 lbs/100 gal

An Introduction to Prosaro Fungicide



- Prosaro™ fungicide provides broad-spectrum disease control to help maximize yield and profit in wheat and barley
- Provides superior activity on both head *and* leaf diseases
- Offers the best available activity on scab

Prosaro

SC Formulation

1.76 lbs a.i./gal Prothioconazole

+

1.76 lbs a.i./gal Tebuconazole

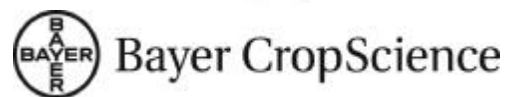
Air: 5 GPA

Ground: 10 GPA

Use a nonionic surfactant

Prosaro Disease Control in Wheat

- Most major leaf and head diseases are well controlled by timely applications of Prosaro
 - Fusarium head blight
 - Leaf rust
 - Stem rust
 - Septoria leaf and glume blotch
 - Tan spot
 - Powdery mildew



Application Parameters in Wheat

- Recommended application rate:
 - 6.5 fl oz/A under normal conditions
 - Up to 8.2 fl oz/A under high disease pressure
- Optimal timing for control:

Leaf & stem diseases apply preventatively when disease first appears.

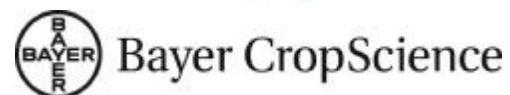
Fusarium head blight apply at early flowering of main stems (Feekes 10.51)



Early, not yet
flowering

Correct timing,
early
flowering,
Feekes 10.51

Late, after
pollination



LEVERAGE[®] 360



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Information

- Leverage 360 is an enhanced formulation that combines two distinct modes of action to protect cotton and soybeans from pests such as stinkbugs, plant bugs, aphids, whiteflies, bollworms, beetles and other damaging species.
- Leverage 360 contains the following:
 - Imidacloprid 2 lbs a.i./gal
 - Beta cyfluthrin 1 lb a.i./gal

Application Information - Soybean

- Use Rate: 2.8 fl oz/A
- GPA: 10 (ground); 2 (Air); chemigation option
- Surfactants: Crop Oil Concentrate if applied by air, and Non-Ionic Surfactant if applied by ground
- Tankmix: Compatible with many fungicides, herbicides and fertilizers. Consult your Bayer CropScience representative for details.
- Rainfast: 3 to 4 hours

Application Information - Cotton

- Use Rate: 3.2 fl oz/A
- GPA: 10 (ground); 2 (Air); chemigation option
- Surfactants: Crop Oil Concentrate if applied by air, and Non-Ionic Surfactant if applied by ground
- Tankmix: Compatible with many pgr's, herbicides and fertilizers. Consult your Bayer CropScience representative for details.
- Rainfast: 3 to 4 hours



BELT[®]

A new mode of action offering **rapid stopping power, long residual** control and is considered **harmless to pollinators and beneficials.**



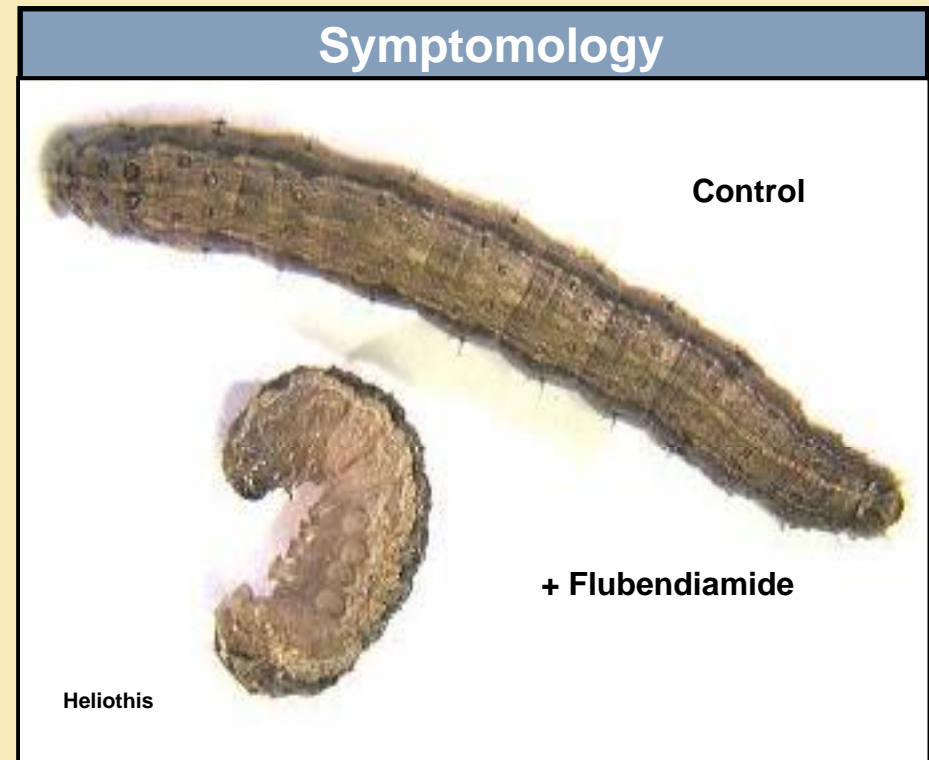
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Belt – Product Overview

Pest Target:	Lepidoptera
Labeled crops:	Cotton, Corn, Tobacco, Pome, Stone, Grapes, Tree Nuts
Active ingredient:	Flubendiamide
Chemical Class:	Phthalic acid diamides
Mode of Action:	Ryanodine receptor modulator (new)
Formulations:	4 SC
Signal word:	Caution
REI:	12 hours
Packaging:	4 x 1 gallon case

Biological Characteristics

- w** Following application, larvae lose muscle control, become immobile and cease feeding immediately.
- w** The most typical symptom of treatment occurs 1 to 2 hours after application. The larvae contracts to half the size of an untreated larvae.



- feeding stops immediately
- contraction and paralysis
- slow movement
(motion strongly restricted)

Belt – Product Overview

Use Rate:	2 – 3 oz/acre for row crops
App Timing (Pest):	Coincides with early threshold in a developing larval infestation
Application Type:	Aerial, ground or overhead irrigation/chemigation
Rainfastness:	Upon drying
Cross-Resistance:	None – New mode of action / New chemical class
Product Benefits:	<ul style="list-style-type: none">• Long residual efficacy• Locally systemic translaminar activity – total leaf protection• Rapid feeding cessation - Plant/Fruit protection• IPM compatible (non-toxic to beneficial insects)• Excellent margins of safety - crop, environment, worker/handler

BELT

Belt – Product Overview

Soybean registration is expected in 2010.

Refer to specific product labels for detailed information



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THANK YOU