



Industry Update for Syngenta Crop Protection

David Chaney, James Harp, David Lanclos, Mark Matthews, Robert Prince and Josh Zaunbrecher



syngenta.

Activity against damaging nematodes:

Root Knot
Soybean Cyst (SCN)
Reniform
Stubby root
Lesion
Stunt
lance

**Activity and damage potential against other
nematode species being evaluated**

Avicta 500 FS is a Restricted Use Pesticide

Classification: Public



 **Avicta[®] Complete**
Beans

syngenta.



3.0 fluid oz. per cwt
or 0.086 mg ai per seed



3.0 fluid oz. per cwt
or 0.15 mg ai per seed

Optional

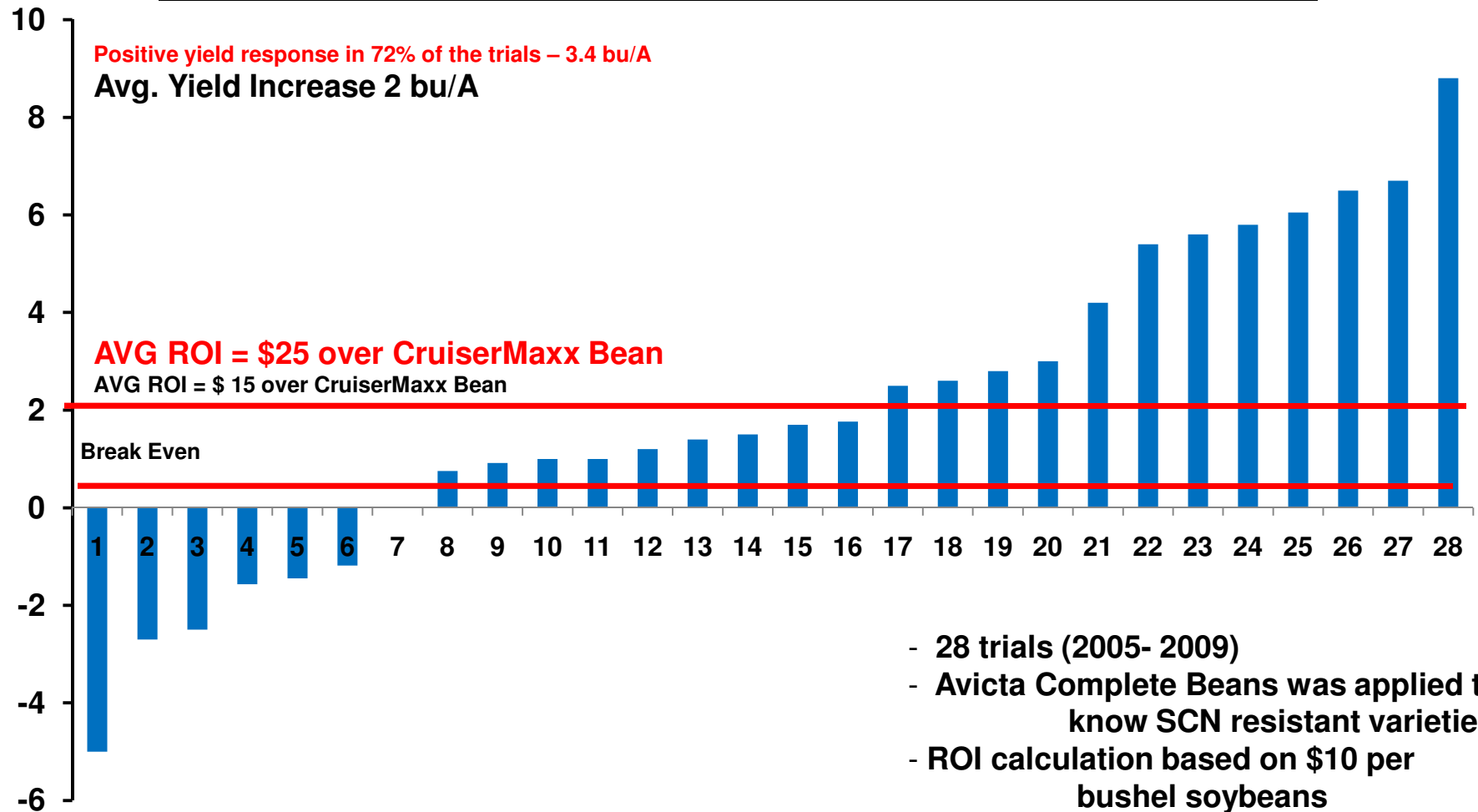
Moly – 1 fluid oz. per cwt
Inoculants

Classification: Public

Avicta[®] 500 FS is a Restricted Use Pesticide. Abamectin (Avicta) is not currently registered for sale or use as a seed treatment on soybeans in the US.



Avicta Complete Beans against SCN – Southern States





Resistant Weed Management in Soybeans

- > Pre mix of s-metolachlor and Metribuzin (Dual Magnum and Sencor®)
- > Long residual, broad spectrum foundation for grasses and broadleaf weeds
- > Two modes of action against resistant weeds
- > Follow post emerge with up to 1.5 pt/A equivalent fomesafen

Recommended soybean rate: 1.5 – 2.0 pt/A

Boundary	Dual Magnum	AI Metribuzin	Oz 75% AI product
1.50	0.98	0.23	5.0
1.75	1.15	0.27	5.8
2.00	1.31	0.31	6.6

Flexstar[®]GT3.5



- Fully loaded surfactant system
- MSO @ 1.0% v/v can improve post activity - preferred over NIS or COC. AMS may be added.

Equivalent recommended rates and component breakdown

Flexstar GT	= <u>Flexstar GT 3.5</u>	= Flexstar / Reflex	+ TD Total
38.0 oz (2.4 pt)	44.8 oz (2.8 pt)	13.4 oz / 12.7 oz	23.8 oz
48.0 oz (3.0 pt)	56.0 oz (3.5 pt)	17.0 oz / 16.0 oz	30.0oz
56.0 oz (3.5 pt)	65.3 oz (4.1 pt)	20.0 oz / 18.0oz	35.0 oz

Southeast - Soybean

Soybean (glyphosate-tolerant)				
Problem weeds - Pigweed species, horseweed/marestail, morningglory				
Burndown	At-planting or pre-emergence	In-crop	Late-season	Harvest aid
Gramoxone Inteon (40 oz/A)	Boundary® (1.5 to 2 pt/A)	Flexstar® GT 3.5 (3.5 pt/A)	Touchdown Total (24 oz/A)	Gramoxone Inteon (16 oz/A) - apply when seeds have reached physiological maturity
	or			
	Prefix® (2 pt/A)	Sequence (2.5 pt/A)		
	or			
	Sequence (2.5 pt/A)	Flexstar GT 3.5 (3.5 pt/A)		



Prefix®

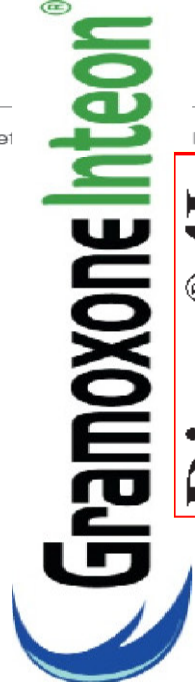
PRE or EARLY POST

Weeds Control - Cotton

7+ DIFFERENT Modes Of Action
 6 DIFFERENT MOA's w/Residual
 5 RESIDUALS w/Palmer Activity

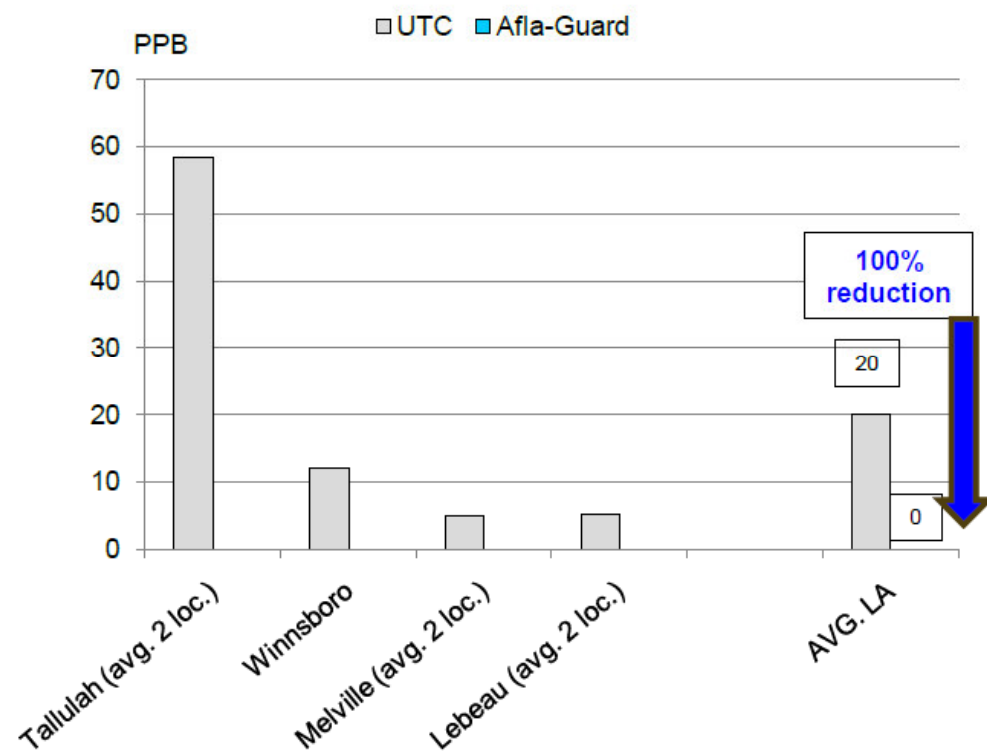
Cotton (g)		
Problem v		
Burndown (30 days prior)	Preplant or pre-emergence	Post-emergence
Gramoxone Inteon® (40 oz/A) + Direx® + 2, 4-D	Gramoxone Inteon (1 pt/A) + Reflex® (1 pt/A)*	Sequence® (2.5 pt/A) or Dual Magnum® (1.3 pt/A) + Touchdown Total® (24 oz/A)
		Envoke® (0.15 oz) + Touchdown Total (24 oz/A)
		Suprend® (1 to 1.25 lb/A) + Touchdown Total (24 oz/A) or MSMA
Hooded application - Gramoxone Inteon® partner		

*Reflex may be applied as a pre-emergence treatment to coarse





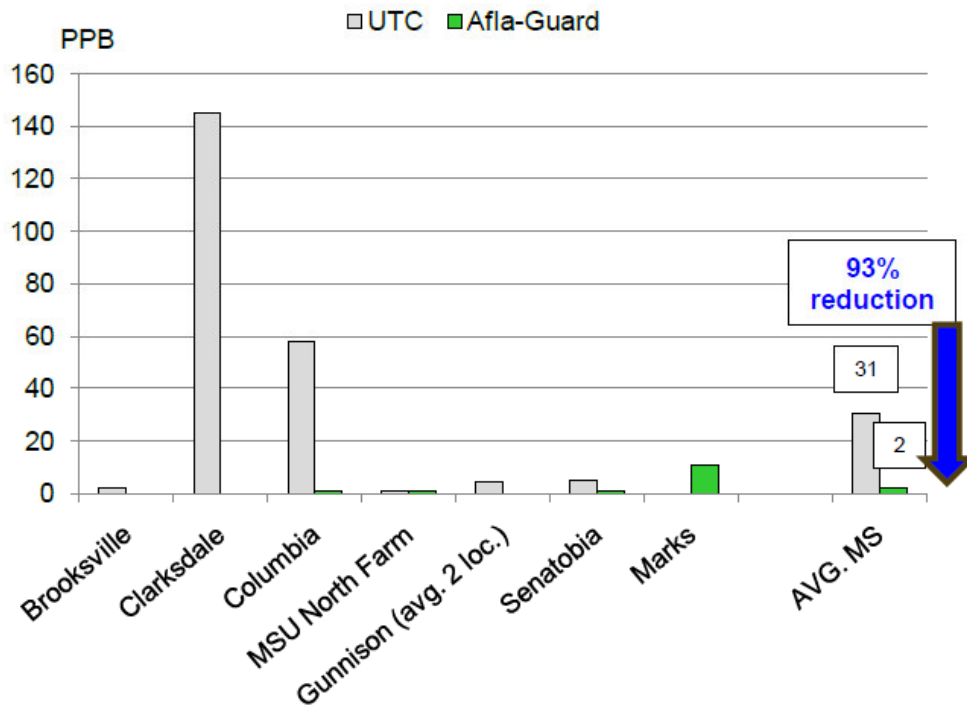
Effect of Afla-Guard on Aflatoxin Levels in 2010 Louisiana



- ✓ 7 Syngenta commercial test locations
- ✓ Avg. aflatoxin levels in untreated fields: 20 ppb
- ✓ No aflatoxin detected in locations where Afla-Guard used



Effect of Afla-Guard on Aflatoxin Levels in 2010 Mississippi



- ✓ 8 Syngenta commercial test locations
- ✓ Avg. aflatoxin levels in untreated fields: 31 ppb
- ✓ Average reduction 93% where treated with Afla-Guard
- ✓ All locations with aflatoxin levels under 20 ppb where Afla-Guard used

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Important: Always read and follow label directions before buying and using Syngenta products. The instructions contain important conditions of sale, including limitations of warranty and remedy. When using products registered under FIFRA Section 24(c), you must comply with all limitations for use set forth in the 24(c) registration. Please refer to the Section 24(c) label for instructions, including limitations of warranty and remedy.

AAtrex, Aatrex 4L, AAtrex Nine-O, Agri-Mek, Avicta Duo, Bicep II Magnum, Bicep Lite II Magnum, Curacron, Cyclone Star, Denim, Endigo ZC, Epi-Mek, Expert, Force, Force CS, Force 3G, Gramoxone Inteon, Karate, Karate EC, Karate with Zeon Technology, Lexar, Lumax, Proclaim, Scimitar GC, Voliam Xpress, Warrior, Warrior with Zeon Technology and Warrior II with Zeon Technology are Restricted Use Pesticides.

Actara, Afla-Guard, Alto, Axial TBC, Durivo,, Flexstar GT, Graduate A+, Inspire, Inspire Super MP, Inspire XT, Omega 500F, Platinum, Quadris Xtra, Quilt Xcel, Revus, Revus Top, Voliam Flexi and Voliam Xpress are not currently registered for sale or use in all states. Please check with your state or local extension service before buying or using these products. As of this time, Endigo is not currently registered in NY and Envoke is currently registered for use in the following states: AL,AR,AZ,CA,FL,GA,KS,KY,LA,MO,MS,NC,NM,OK,SC,TN,TX and VA. If your state is not listed, please check with your state or local extension service before buying or using this product.

Actara, Agri-Mek, Centric, Curacron, Denim, Durivo, Endigo, Karate with Zeon Technology, Karate, Platinum, Proclaim, Voliam Flexi, Voliam Express, Warrior with Zeon Technology, and Warrior II with Zeon Technology are highly toxic to bees exposed to direct treatment on blooming crops and weeds. Do not apply these products or allow them to drift onto blooming plants while bees are foraging adjacent to the treatment area.

AAtrex®, AAtrex® Nine-O™, Abound®, Achieve®, Actara®, Actigard®, Adigor®, Afla-Guard®, AgBiz™, AgExpert™, AgriEdge®, AgriEdge Excelsior®, AgriEdge Escalate™, Agri-Mek®, Agrisure®, Alamo®, Alto®, Amber®, Apron®, ApronMaxx®, ApronMaxx® RTA®, Apron XL®, Arbotect®, Armor®, Avicta®, AVICTOR™, Avid®, Award®, Axial®, Barricade®, Beacon®, Bicep II Magnum®, Bicep Lite II Magnum®, Blockade®, Boundary®, Bravo®, Bravo Ultrex®, Bravo Weather Stik®, Bring Plant Potential to Life®, Callisto®, Callisto Plant Technology®, Cannonball®, Camix®, Caparol®, Centric®, Citation®, Citrus Scout®, Citrus Solutions®, Clinch®, Concep®, Cotton Advantage®, Cruiser®, Cruiser Extreme®, CruiserMaxx®, Cruiser Maxx®, Curacron®, CustomerLink™, Cyclone Star®, Daconil®, Daconil ULTREX®, Daconil Zn®, Daconil WeatherStik®, Demand®, Demon®, Denim®, Discover®, Dividend®, Dividend® XL RTA®, Dividend Extreme®, Dual Magnum®, Dual II Magnum®, Dual II G Magnum™, Durivo®, Dynasty®, Dynasty CST®, Eagle View™, Endigo®, Endeavor®, Envoke®, Epi-Mek®, Evik®, Expert®, FarmAssist®, FarMore®, Flagship®, Flexstar®, Force®, Fulfill®, Fusilade®, Fusion®, Glyphosate with Residual™, Graduate®, Gramoxone Inteon®, Halex® GT, Havoc®, Headway®, Helix®, Helix XTra®, Heritage®, Hurricane™, IQ Technology™, Inspire®, Instrata®, Isolink™, Karate®, Karate with Zeon Technology™, Lexar®, Lumax®, Maxim®, Medallion®, Mentor®, Meridian®, Mertect®, Mespert™, NorthStar®, Omega®, Orion®, Orbit®, Palisade®, Peak®, Pirimor®, Plant Performance™, Platinum®, Platinum Ridomil Gold®, Powered by Cruiser®, Power of Two™, Prefix®, Prime+™, Princep®, Princep® Caliber 90®, Proclaim®, Protégé®, Quadris®, Quadris Opti®, Quadris Ridomil Gold®, Quadris X-Factor™, Quadris Xtra®, Quilt®, Rave®, Reflex®, Reglone®, Resistance Fighter™, Revus®, Revus Top®, Ridomil®, Ridomil MZ®, Ridomil Gold®, RTA®, Scholar®, Scimitar®, Seed Care™, Sequence®, Solicam®, Spirit®, Spud Solutions®, Supercharge®, SuperWeatherStik®, Suprend®, Switch®, Syngenta Seed Care™, Tecto®, The AVICTOR™, The power to perform™, Thiolux®, Thiolux® Jet/Tilt®, Tilt®, Tilt Bravo™, Traxion®, Touchdown®, Touchdown HiTech®, Touchdown Pro®, Touchdown Total®, Trigard®, Trigard® Accu-Pak®, Trimmit®, Tuffcide®, Underground Security™, Uniform®, Vanguard®, VipCot™, Voliam Flexi™, Voliam Xpress®, Wakil®, Warrior®, Warrior with Zeon Technology®, Warrior II with Zeon Technology®, Weather Stik®, Weatherblok®, Zyrox® and the Syngenta logo are trademarks of a Syngenta Group Company. SIGNIA® and SIGNIA® Fiber are trademarks of a Syngenta Group Company and are licensed to the SIGNIA Cotton Cooperative. NK is a business unit of Syngenta Seeds, Inc. Omega® is a registered trademark of Ishihara Sangyo Kaisha, Ltd .

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