

2013 Louisiana Agricultural Technology & Management Conference

Product Update From FMC



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Sr. Technical Sales Manager*

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q **Anthem & Anthem ATZ**

- ü PRE and POST herbicides to control of grass and broadleaf
- ü Registered for use in corn

q **Anthem** - pyroxasulfone + fluthiacet-methyl.

- ü 2.15 lb/gal SE formulation
- ü Use rate from 5 to 13 oz/A (aver. use rate 7 to 8 oz/A)

q **Anthem ATZ** – pyroxasulfone + fluthiacet-methyl + atrazine

- ü 4.5 lb/gal SE formulation
- ü Use rate from 24 to 64 oz/A (aver. use rate 28 to 36 oz/A)



Broad spectrum broadleaf and grass control

Including resistant Waterhemp and Pigweed



Waterhemp



Palmer Amaranth

Exceptional grass control with longer residual



Crabgrass



Barnyardgrass



Anthem ATZ for some tougher to control weeds



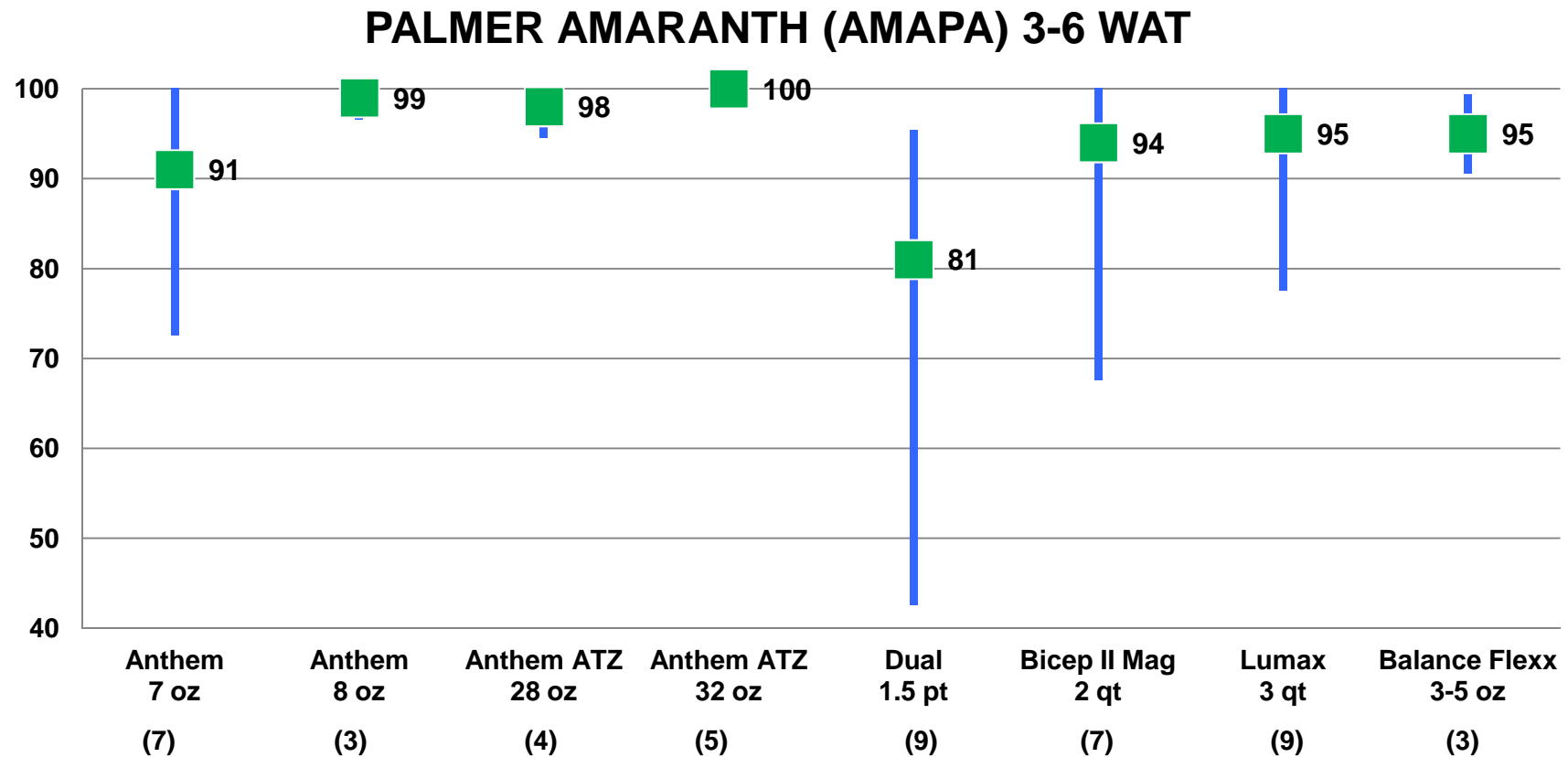
Lambsquarters



Ragweed

Anthem - Corn 2011

Preemergence Treatments - % Control



- (#) No. of observations.
- No glyphosate applied post.



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Bird nest in top of Palmer

Untreated Check at Rohwer Station, Rohwer, AR - 2011

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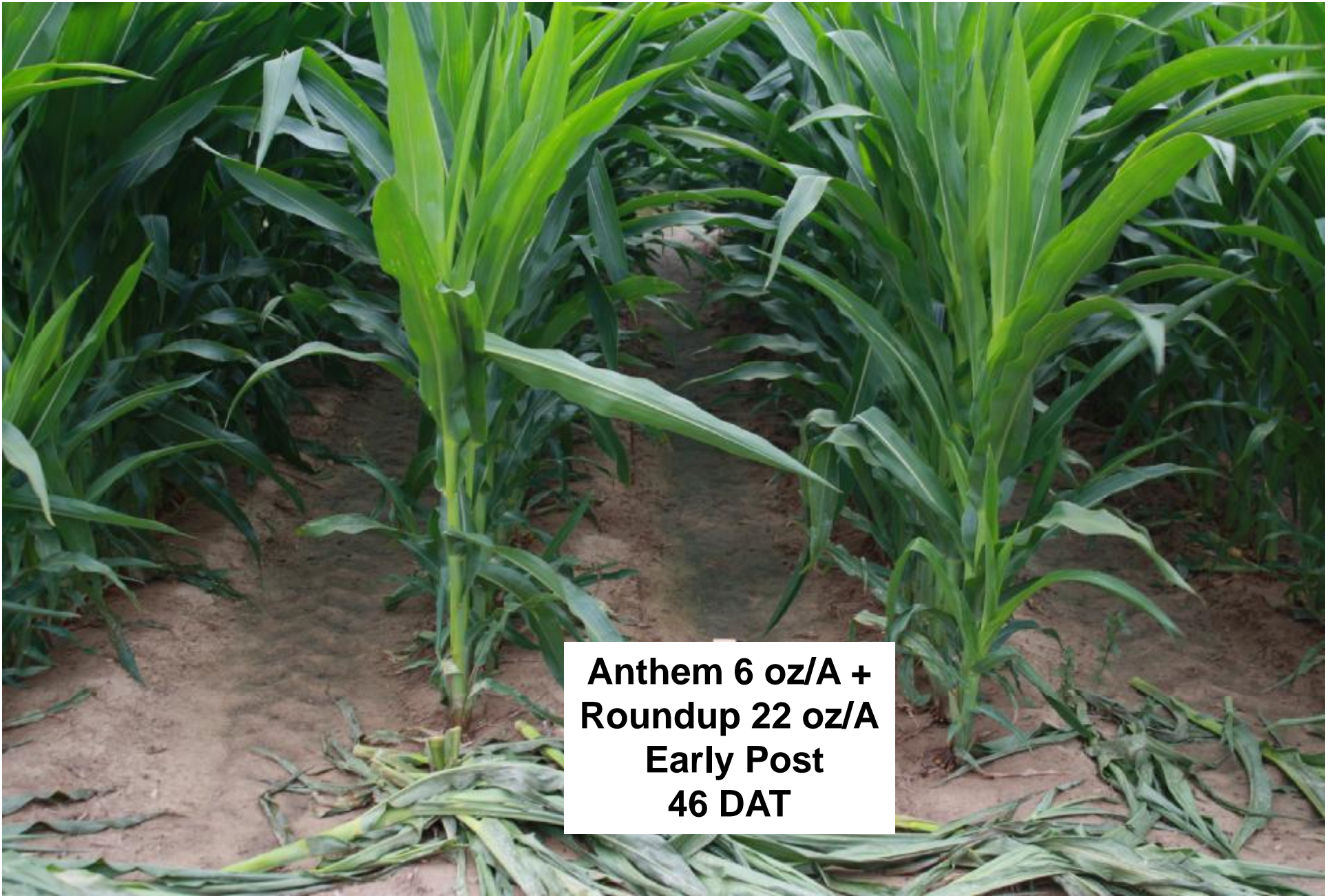
**Anthem
7 oz/A
PRE
46 DAT**



Anthem ATZ
29 oz/A
PRE
46 DAT

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**Anthem 6 oz/A +
Roundup 22 oz/A
Early Post
46 DAT**

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§ Pending Registrations For Other Crops

- ü Soybeans are expected mid year 2013

- ü Winter wheat is expected late year 2013

§ Future Development Of Other Crops

- ü Cotton is expected early 2014

- ü Peanuts are expected 2015



Pyroxasulfone

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Display Cotton Harvest Aid



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Harvest Aid

Directions for Use

- q Dual potent PPO inhibitor, rapid cell membrane disruption
- q Apply Display, alone or as a tank mixture with other cotton harvest aid products
- q Use rate 0.4 to 0.8 fl oz per acre
- q Minimum of 10 GPA ground, 5 GPA air
- q Use a quality spray adjuvant
 - ü Non-Ionic Surfactant (NIS) at 0.25% v/v
 - ü Crop Oil Concentrate (COC) at 0.5 to 1% v/v
 - ü Silicone-based Surfactant at 0.25% v/v or as specified on adjuvant label
- q Repeat application if necessary to remove remaining foliage or control re-growth 6 to 10 days after the first application.
- q Do not apply more than 2 fl oz per acres per season
- q 7 Day PHI



Irrigated
8 DAT

Folex 32 oz/A
Dropp 2.3 oz/A
Prep 32 oz/A



Display 0.5 oz/A
Dropp 2.3 oz/A
Prep 32 oz/A

Obey™ Herbicide



- q New, post-applied grass control solution for Southern rice growers offering dual modes-of-action, and both contact and residual control.



Marvel



- q Post applied herbicide for soybeans.
- q Combination of 2 valuable weed control tools
 - ü Fluthiacet-methyl (Cadet)
 - ü Fomesafen (Reflex)
- q Marvel premix
 - ü 3 lb/gal - SC formulation
 - ü 1:25 ratio Fluthiacet:Fomesafen
- q Rates Range 5 – 7.25 oz/A
 - ü Target rate of 7.25 oz/A
 - ü 35% less fomesafen

Authority MAXX

- q Pre soil applied herbicide for soybeans.
- q Two unique different mode-of-action herbicides, excellent tool for resistant weed management.
 - ü Sulfentrazone (Authority, Spartan,)
 - ü Chlorimuron ethyl (Classic)
- q Optimized ratio allows for maximum allowable length of control with reduced concern for chlorimuron carryover.



Registration Pending

Authority MAXX Rates

	Authority XL	Authority Maxx
Ratio	8:1	16:1
Rate/acre formulated	3.2 oz	6.4 oz
Lbs. a.i. of SLZ/CE	.125/1 oz	.250/1oz

Broadcast Rate (Oz/Acre)	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
0.5-2%	5.0 - 6.0	6.5 - 7.5	7.0 - 8.0
2-4%	6.0 - 7.0	7.0 - 8.0	8.0 - 9.6

Adverse crop response can occur on soils of 6.8 pH or higher. Do not use on soils with pH greater than 7.6.

Authority Elite

- q Pre soil applied herbicide for soybeans.
- q Two unique different mode-of-action herbicides, excellent tool for resistant weed management.
 - ü Sulfentrazone (Authority, Spartan,)
 - ü S-metolachlor (Dual)
- q Sulfentrazone/s-metolachlor premix
 - ü Liquid SC formulation
 - ü 9:1 ratio of S-moc to Sulf
 - ü Applied by ground or air
- q Controls both grass and broadleaf weeds



Authority Elite Rates

Broadcast Rate (Oz/Acre)	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.5%	19 - 25	25 - 32	25 - 32
1.5 - 3%	25	25 - 32	25 - 32
>3%	25	25 - 32	32 - 38.7

For soils with pH greater than 7.2 use the lowest rate for that specific soil texture and organic matter.

THANK YOU



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