



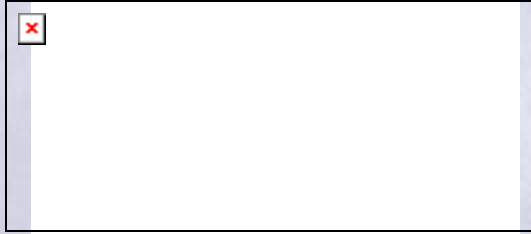
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The Journey Forward

2008 FMC Product Update

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Rage D-TECH

What Is It?



- Rage D-TECH - 1 / 45.5 ratio
 - Carfentrazone + 2,4-D ester
 - 4.06 lb ai / gallon
 - 0.13 lb of carfentrazone
 - 3.93 lb of 2,4-D acid (5.92 lb of 2,4-D ester)

- Equivalent to
 - 8.32 oz of Aim + 1.03 gallon LV4 ester

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Preplant Burndown



Crop	Maximum Rate	Planting Interval (Days Before Planting)
Corn (Field Only)	Up to 8 oz	3 days
Corn (Field, Seed, Pop)	9-16 oz	7 days
	17-32 oz	14 days
Sorghum	8-16 oz	10 Days
Soybeans	8-16 oz	7 days
	17-24 oz	14 days
Cotton	8-32 oz	30 days
Observe specific state 2,4-D application regulations		



**Rage D-TECH 0.75 pt + 1.5 pt glyphosate
12 days after Treatment - Henbit**



**Glyphosate +
2,4-D 17DAT**

**Rage D-TECH 0.75 pt + Atrazine 1.0
lb 23 days after application - Henbit**



New Herbicide

- **Active ingredient: sulfentrazone + cloransulam-methyl, 7.75 : 1 ratio**
- **Preemergence herbicide for soybeans**
- **Base for glyphosate problem weeds - lambsquarters, waterhemp, marestail, ragweeds**
- **3.2 oz/acre use rate with RR programs**
- **6.4 oz/acre use rate in conventional soybeans**
- **70DF formulation**

Roundup O-Max
Prowl
2-4D

22 oz.
32 oz
16 oz.

Roundup O-Max
Authority First
2-4D

22 oz.
3.2 oz.
16 oz

Sharon, Tn.

JUN 5 2007



Rotational Crop Guidelines



<i>Crop</i>	<i>Interval (months)</i>
Alfalfa	12
Barley	12
Canola	24
Corn, field *	10
Corn, pop *	10
Corn, seed *	10
Corn, sweet	18
Cotton	18
Dry shelled beans and peas	12
Oats	12

<i>Crop</i>	<i>Interval (months)</i>
Peanuts	12
Potatoes	18
Rice	10
Rye	12
Sorghum	12
Soybeans	Anytime
Sugarbeets **	30
Sunflower **	30
Tobacco ***	30
Wheat	4



Authority MTZ



- New soil applied herbicide for Fall, Spring application for soybeans.
- Unique combination of 2 long-trusted and valuable weed control tools.
 - Sulfentrazone (Authority, Spartan,)
 - Metribuzin (Sencor, Lexone)
- Sulfentrazone/metribuzin premix
 - 1:1.5 ratio, 45% DF formulation



Authority MTZ

**Authority MTZ -10 oz/A +
Rage D-Tech 8 oz + COC
compared to non-treated on
left side.**

20 Days after treatment



**Henbit, Shepardspurse,
Dandelion, Field Pennycress,
Tansymustard**

5-9-2007

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Authority MTZ

Reduced Rate Program – RR Soybeans

Fall, Early Pre-plant, PPI, Preemerge

Broadcast Rate (Oz/Acre)	Soil Texture		
% Organic Matter	Course	Medium	Fine
1-2%	8	8-10	10-12
2-4%	8-10	10-12	12-14

Adverse crop response can occur on soils of 7.5 pH or higher. Use lowest recommended rate for soil type on soils with 7.5 pH or higher



Rotational Crop Guidelines



<i>Crop</i>	<i>Interval (months)</i>
Alfalfa	12
Barley	4
Canola	24
Corn, field *	10, 4
Corn, pop *	10
Corn, seed *	10
Corn, sweet	18
Cotton	18
Dry beans	12

<i>Crop</i>	<i>Interval (months)</i>
Peanuts	12
Potatoes	12
Rice	10
Sugarcane	0
Sorghum	12
Soybeans	0
Sugarbeets	36
Sunflower	12
Tobacco	12
Wheat	4



New Crop Labels



Mustang Max delivers maximum insect control performance for maximum results, cost effectively

- Tolerances approved by EPA in 12/06
 - Cucurbits Vegetables (1 day PHI) (melons, cucumbers)
 - Pome Fruit (14)
 - Stone Fruit (14)
 - **Pasture/Grass**
 - Vegetables, root and tuber (1)
 - **Peanuts (7)**
 - Sunflower (40)
 - Berries (Caneberries)
 - Grapes (1)



New Insecticide

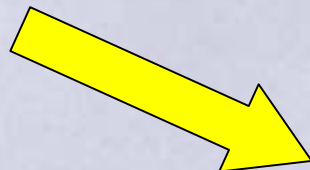
- **New technology and broad spectrum foliar insect control**
 - **Corn (field, pop, seed)**
 - **Cotton**
 - **Sweet Corn**
 - **Vegetables**
 - **Eggplant**
 - **Peppers, bell and non-bell**
 - **Tomato**
 - **Head lettuce**
 - **Head and Stem Brassica**
 - **Succulent Peas and Beans**
 - **Pecans**



Hero Insecticide

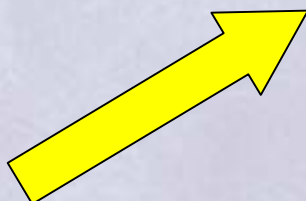
Bifenthrin

***Residual, Pest
Spectrum***



Zetacypermethrin

***Quick knockdown,
Pest Spectrum***



***Residual,
Knockdown,
Greater Pest
Spectrum,
Caution Label***

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What is Hero™?



- 1.24 lb EC
- 1:3 ratio zeta:bifenthrin
- 0.31 lb ai zeta + 0.93 lb ai bifenthrin
- Signal Word – CAUTION
- REI 12 hours
- Application rates: 0.025-0.10 lb ai/A (2.6-10.3 oz)
- New crops added as tolerances obtained

Maximize Yield Potential



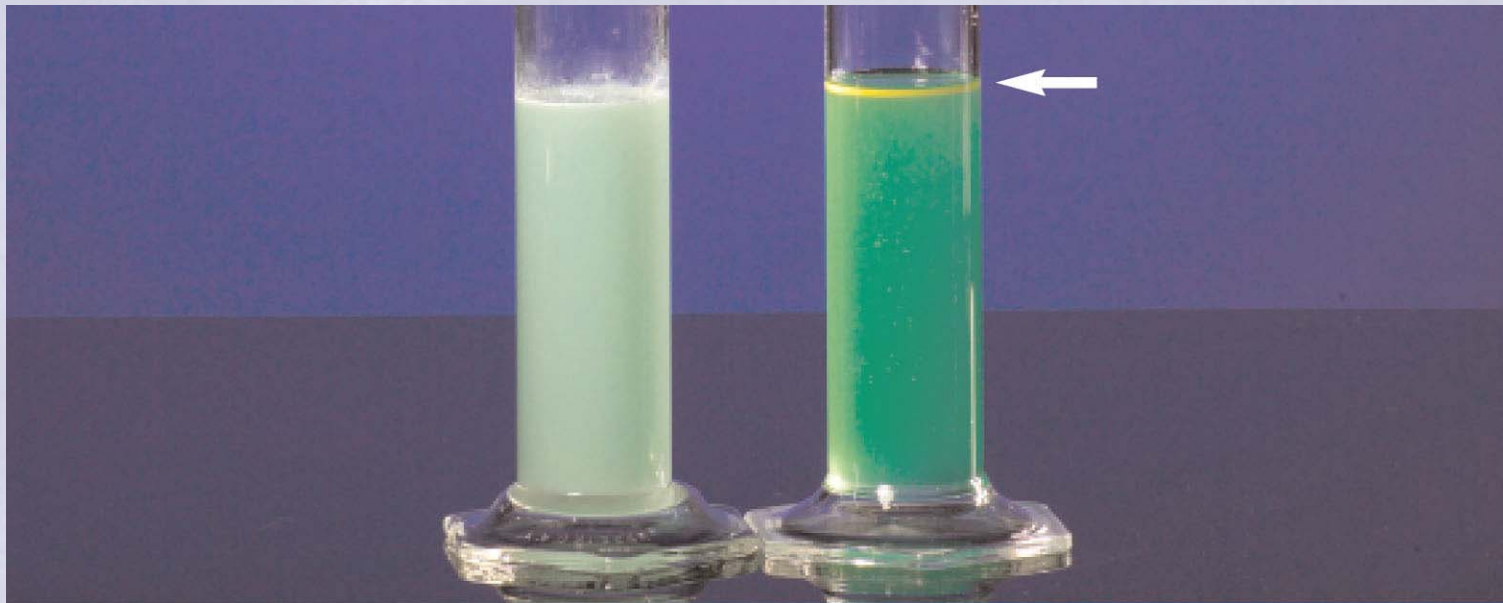
- *Protect the Seed*
- *Protect the Seedling*
- *Increase Root Growth*
- *Protect Root Development*
- *LFR is designed to mix with starter fertilizers*

Both plants are alive but the one on the right has Capture + starter, which is likely to maximize the genetic yield potential of this crop?





CAPTURE LFR & FURADAN LFR MIX EASILY WITH FERTILIZERS

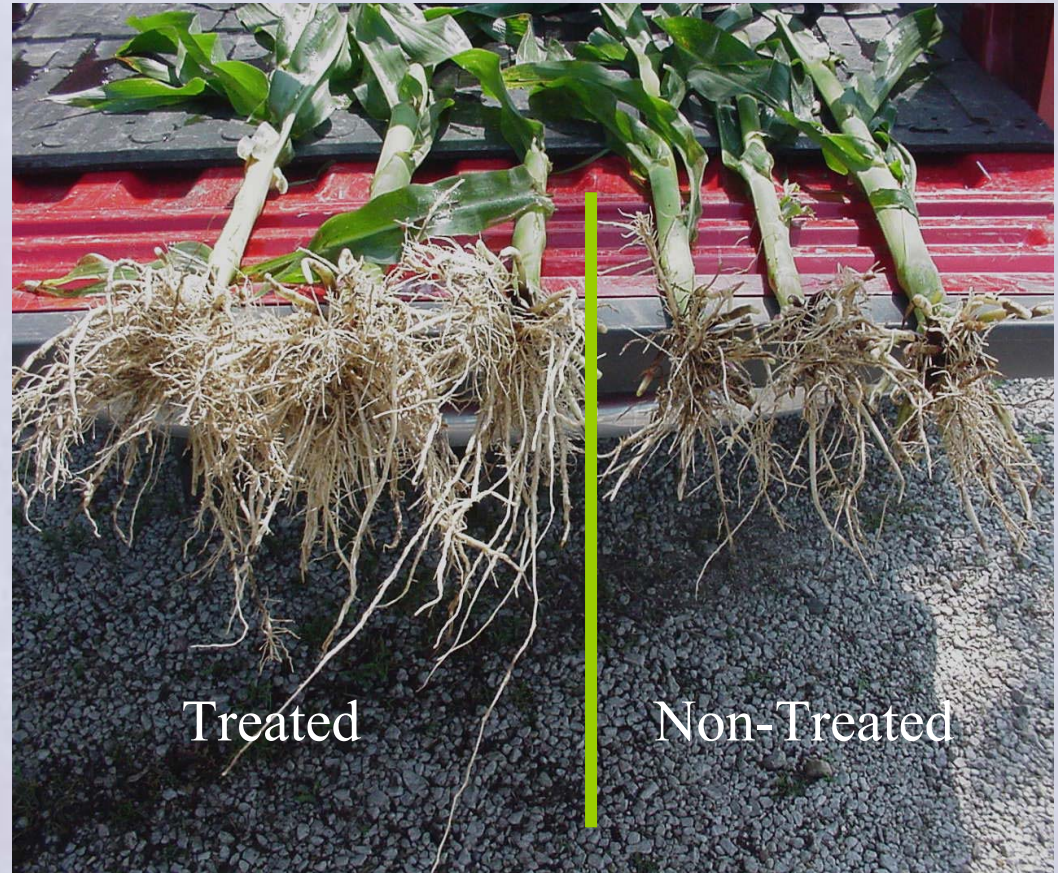


After 30 minutes with no agitation, Capture LFR (left) is still in suspension. The other liquid insecticide shows noticeable separation.



Corn In-furrow Insects Controlled

- **Wireworm**
- **Cutworms**
- **S.Corn Rootworm**
- **Seed Corn Beetle**
- **Seed Corn Maggot**
- **Grubs**
- **True Armyworm**





CARBINE™

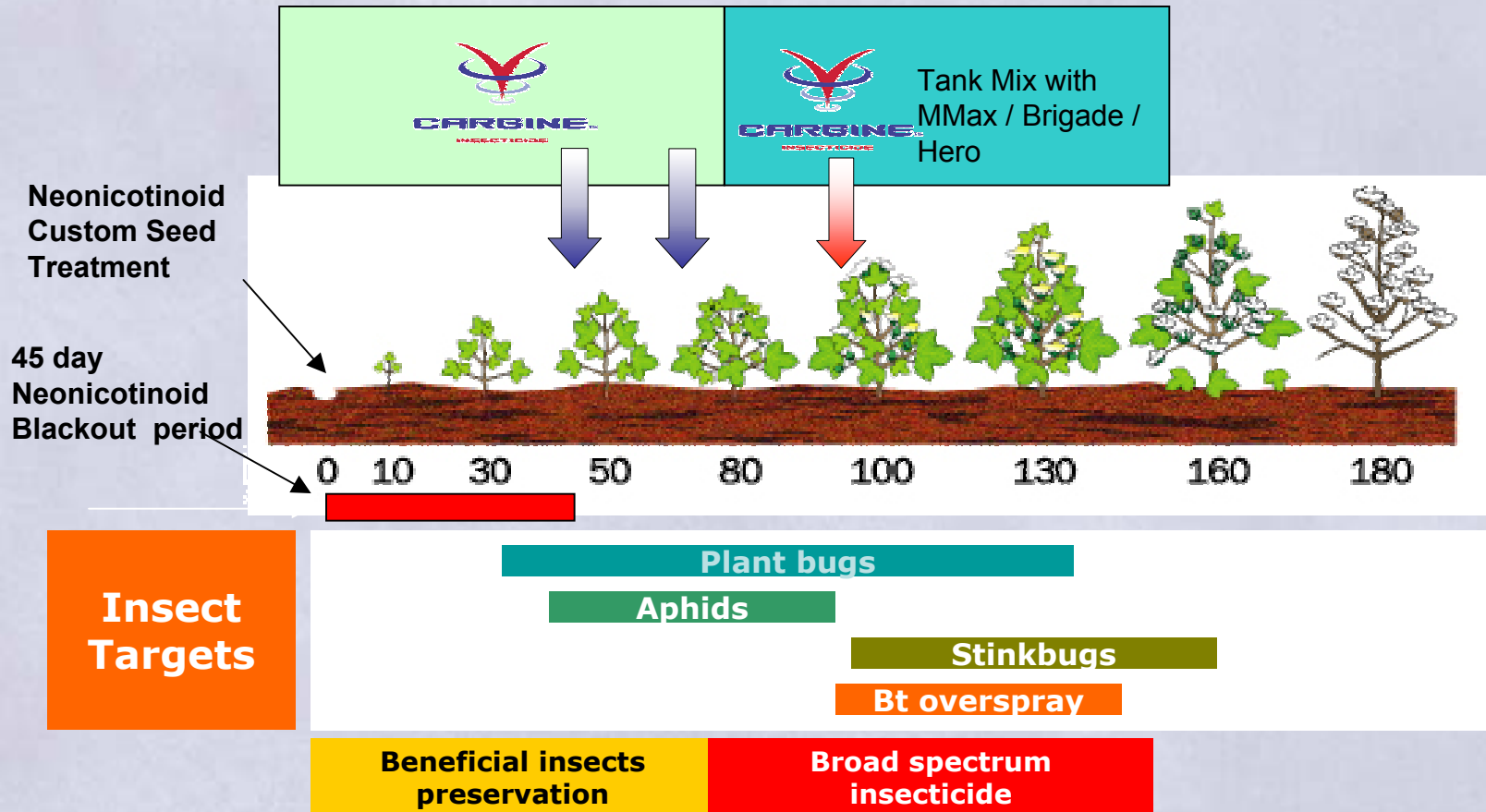
INSECTICIDE

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Carbine Technical Position





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Questions??

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