



FMC[®]

The Journey Forward

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FMC

Agricultural Products Group





The unique, dual-action technology of Hero provides growers with the broadest spectrum of foliar insect control with faster knockdown and longer residual

- **New technology and broad spectrum foliar insect control**

- Corn (field, pop, seed)
- Cotton
- Soybean
- Sweet Corn
- Vegetables
 - Eggplant
 - Peppers, bell and non-bell
 - Tomato
 - Head lettuce
 - Head and Stem Brassica
 - Succulent Peas and Beans
 - Root and Tuber crops
- Pecans

- 1.24 lb EC
- 1:3 ratio zeta:bifenthrin
- 0.31 lb ai zeta + 0.9 3 lb ai bifenthrin
- Signal Word – CAUTION
- REI 12 hours
- Application rates: 0.025-0.10 lb ai/A (2.6-10.3 oz)





Dual-action broad-spectrum pest control for cotton, potatoes and vegetable crop pests

- **Dual-action broad spectrum foliar insect control**

- Cotton
- Grapes
- Tobacco

- **Vegetables**
 - Eggplant
 - Peppers, bell and non-bell
 - Tomato
 - Head lettuce
 - Head, Stem and Leafy Brassica
 - Succulent Peas and Beans
 - Root and Tuber crops
- **Potato**

- 2 lb EC
- 1:1 ratio bifenthrin:imidacloprid
- Signal Word – **WARNING**
- REI 12 hours
- Application rates:
 - Cotton: 0.06-0.12 lb ai/A (3.8-7.7 oz)





Get the early-season insect control of a unique mode of action for resistance management and increased cotton yields

- **Active ingredient: Flonicamid**
- **Pyridinecarboxamide class of chemistry**
 - N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CAS)
- **Selective feeding blocker**
 - Results in rapid feeding cessation (within one hour), mortality within 2- 5 days
- **IRAC group 9C**

- **Carbine 50 W G**
- **Recommended Use Rates:**
 - Aphids: 1.4 – 2.8 oz/A
 - Tarnished Plant Bug : 1.7-2.8 oz/A
 - Western Plant Bug
 - Cotton Fleahopper
- **Do not apply more than 0.088 lb ai/A (2.8 oz/A) per application**
- **Do not apply more than 3 applications per season**
- **Do not exceed 0.267 lb ai/A (8.4 oz/A) per season**





THIS RECOMMENDATION IS MADE AS PERMITTED UNDER FIFRA SECTION 2(ee) AND HAS NOT BEEN SUBMITTED TO OR APPROVED BY THE EPA.

FOR DISTRIBUTION AND USE ONLY IN THE STATES OF
AL, AR, GA, LA, MO (BOOTHEEL COUNTIES), MS, NC, SC AND TN



2(ee) Recommendation

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

THIS PRODUCT BULLETIN CONTAINS NEW OR ADDITIONAL DIRECTIONS FOR USE WHICH ARE RECOMMENDED BY FMC CORPORATION UNDER FIFRA SECTION 2(ee)

CROP	PEST	RATE OF APPLICATION
Cotton	Western Flower Thrips	1.1 oz pr/A (0.035 lbs ai/A). Banded Postemergence over the row where Imidacloprid or thiamethoxam treated cotton seed has been planted. OR 1.1 oz pr/A (0.035 lbs ai/A). Banded Postemergence over the row where Furadan 4F or Furadan LFR has been applied In-furrow 2.5 fl oz/1000 linear feet of row
		2.24 oz pr/A Broadcast (0.07 lbs ai/acre)

DIRECTIONS FOR USE:

Aids in control of thrips. Apply as a broadcast treatment OR banded over the row. Begin applications according to local economic thresholds. Thorough coverage is required for optimum control. Apply in a minimum of 5 gallons per acre by ground and 3 gallons per acre by air. Allow 7 days between applications.

RESTRICTIONS:

Do not apply more than 2.8 oz/A (0.089 lbs ai/A) per application.

Do not apply more than 8.4 oz/A (0.287 lbs ai/A) per season.

Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS, WORKER PROTECTION STANDARDS REQUIREMENTS AND PRECAUTIONS ON THE EPA REGISTERED CARBINE® INSECTICIDE, EPA REG. NO. 71512-9-279, LABEL MUST BE FOLLOWED. THIS 2ee RECOMMENDATION MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.



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Carbine_2ee_WFT_01-20-09



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Mustang Max provides maximum performance for maximum results with one of the broadest-labeled pyrethroids in the industry



Mustang Max EW is the formulation for broad-spectrum control of insect pests for high quality vegetable and permanent crops

- **Broadest pyrethroid label on the market**
- **EC formulation :**
 - Flexible use on row crops, plus pasture, rice, sunflower, wheat, tree nuts
- **EW formulation**
 - New Low VOC formulation
 - One-day PHI on most vegetable crops
 - Provides crop safety
- **Fast knockdown**
- **Short re-entry interval with most crops**
- **Flexible application (ground or air)**
- **Tank-mix compatibility, including herbicides and and foliar fungicides**
- **Economical**
- **Broad spectrum insect control**



Broadest pyrethroid label on the market



- Berries (Caneberries) (1)*
- Brassica Veg. (1)
- Bulb Veg. (7)
- Corn, Sweet (3)
- Corn, Field (30, grain)
- Cotton (14)
- Cucurbits Veg. (1)
- Fruiting Veg. (1)
- Grapes (1)
- Pasture/Grass (0, forage / hay)
- Leafy Veg. (1)
- Legume Veg. (1, succulent; 21,dry)
- Vegetables, root and tuber (1)

- Sunflower (30)
- Peanut (7)
- Pome Fruit (14)
- Stone Fruit (14)
- Rice (14)
- Sorghum (14, grain)
- Soybean (21)
- Sugarcane (21)
- Pecan (7)
- Wheat (14)
- Citrus (1) ***EW only

* (PHI)



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
Reduced Rate Program – RR
Soybeans
Fall, Early Pre-plant, PPI, Preemerge



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

20 Days after treatment

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

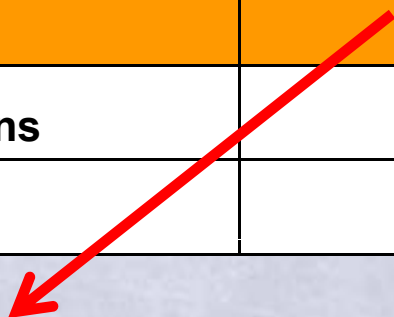
Adverse crop response can occur on soils of 7.5 pH or higher. Use lowest recommended rate for soil type on soils with 7.5 pH or higher



Rotational Crop Guidelines

Crop	Interval (months)
Barley	4
Canola	24
Corn, field *	10, 4
Corn, pop *	10
Corn, seed *	10
Cotton	18*
Dry beans	12
Peanuts	12

Crop	Interval (months)
Potatoes	12
Rice	10
Sugarcane	0
Sorghum	12
Soybeans	0
Sunflower	12
Tobacco	12
Wheat	4



*** In the process of being adjusted to 12 months**



Cadet



Corn & Soybeans – Build a Solid Defense Against Weeds

Corn (Field, Seed, Popcorn, Sweet) and Soybeans

Use Rate: 0.4-0.6 oz/A – Tank mixed with labeled rates of glyphosate herbicides in Roundup Ready® corn or soybeans.

0.5-0.9 oz/A – Control of labeled weeds alone or with post grass herbicide.

Corn – Apply from 2 leaf stage to 48 inches tall.

Soybeans – Apply from first trifoliolate through full flowering.

Adjuvants – Apply with NIS at 1qt/100 gal **or** Crop Oil Concentrate at 1-2 pt/A. UAN at 1-2 qt/A **or** AMS at 8-17 lb/100 gallon may be added.

Restrictions

- Do not apply within 60 days of soybean harvest.
- Do not harvest corn for forage for 30 days or 90 days for grain or stover after last application.
- Sweet corn may be harvested 40 days after last application.



Cadet® 0.6 oz + Glyphosate 24 oz 10 DAT – 2007
(waterhemp, velvetleaf, lambsquarter)



Cadet 0.5 oz + Liberty® + ATZ – 7 DAT on 8-12" tall
lambsquarter, kochia, pigweed – 2008

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Command Split Application for Rice Weed Control

Add Command 3ME to the 1st Postemergence application (up 1-2 leaf rice) to enhanced barnyard grass, broadleaf signal grass, crabgrass & sprangletop control .

Rice:

- Consider split applications of Command 3ME in a Conventional or Clearfield Rice Weed Control Program for extended residual grass control.
- Refer to label use rates of 0.67 to 1.6 pt/A based on soil type.
- Do not exceed 1.6 pt/A (25.6 oz/A) per season
- Apply prior to 3 leaf rice and annual grass emergence.
- Safe to all rice varieties including Clearfield Rice varieties.
- See Section 24c Aerial Application Label for rice in respective state: AR, LA, MO, MS, and TX.



**Command 3ME 10 oz/A fb
Command 3ME 8 oz/A +
RiceStar HT 17 oz/A
1-2 leaf Rice at 18 DAT on lighter textured
soils.**

✓Excellent weed control and safety to rice.



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Thank You

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