

TECHNICAL FACT SHEET

Dependable control with unsurpassed flexibility and crop safety

Fearless® herbicide is a top quality atrazine-free acetochlor formulation with safener for consistent control of more than 60 grass and small-seeded broadleaf weeds in corn.

Offering crop rotation flexibility and a wide application window from early preplant to early postemergence, Fearless is a highly versatile weed control tool for conventional, reduced-till and no-till corn production systems.

Product Specifications

Brand Name	Fearless®
Category	Herbicide
Active Ingredient	Acetochlor (without atrazine)
Crops	Corn (field, seed, silage), popcorn, miscanthus
Site of Action	Group 15
Formulation	Emulsifiable concentrate
AI/Gallon	Acetochlor 7.0 lbs a.i./g
Applications	Early Preplant / Preplant Incorporate Preemergence / Early Postemergence
Rates	1.5 - 3.0 pt/A
Weed Spectrum	Broadleaf & grass species
Signal Word	Warning

Primary Weeds Controlled (or suppressed)

Barnyardgrass, Bristly starbur, Broadleaf signalgrass, Carpetweed, Common ragweed, Crabgrass, Crowfootgrass, Cutleaf groundcherry, Florida beggarweed, Florida pusley, Foxtails (giant, green, millet, robust purple, robust white, yellow), Galinsoga, Goosegrass, Grassbur sandbur, Henbit, Jimsonweed, Johnsongrass-seedling, Kochia, Lambsquarters, Nightshade (black, hairy), Palmer amaranth (amaranth spp.), Panicum (browntop, fall, Texas), Pigweed, Prairie cupgrass, Prickly sida/Teaweed, Purslane, Red rice, Red sprangletop, Shattercane/Wild cane, Smartweed, Velvetleaf, Volunteer wheat, Waterhemp, Wild oat, Witchgrass, Woolly cupgrass, Yellow nutsedge

Fearless + Atrazine: Additional Weeds Controlled (or suppressed)

Annual groundcherry, Cocklebur, Common sunflower, Giant ragweed, Morningglory species, Mustard, Sicklepod



CORN



REI	12 hours
PHI	N/A
Restricted Use	No
Packaging	265 gal tote Bulk
EPA #	74530-84

CROPS	
Corn (field)	Popcorn
Corn (seed)	Miscanthus
Corn (silage)	

- PERFORMANCE BENEFITS**
- Controls 60+ grass & broadleaf weeds.
 - Safener for added corn protection.
 - Activated with 1/4 - 3/4 inch rainfall.



APPLICATION RATES AND GUIDELINES

- Recommended rates: 1.5 - 3.0 pt/Acre.
- Apply early preplant up to 45 days before planting.
- Apply preemergence at planting or after, but before crop and weeds emerge.*
- Apply early postemergence up to 11 inch tall corn.

* Preemergence: incorporate if sufficient rainfall does not occur within 7 days.

Rotational Crops	
Crop	Rotation Interval
Corn (field, seed, sweet) & Popcorn	Anytime
Wheat	4 months
Alfalfa & clover	9 months
Soybeans, sorghum, sugarbeets, sunflowers, rye, potatoes & other crops	Next Season

No-Till / Early Preplant¹		
Fearless Broadcast Rates* (pt/A)		
Coarse Soil Texture	Medium Soil Texture	Fine Soil Texture
1.5 - 2.0	2.25 - 2.75	2.75 - 3.0

Conventional Tillage¹			
% Organic Matter	Fearless Broadcast Rates* (pt/A)		
	Coarse Soil Texture	Medium Soil Texture	Fine Soil Texture
< 3.0%	1.25 - 1.75	1.75 - 2.25	1.75 - 2.25
> 3.0%**	1.75	1.75 - 2.25	2.25 - 2.75

¹ Roundup Ready[®] rate recommendation - 1.5 pt/A.

* Use higher rate in application rate range for heavy weed infestation.

** On soils with 6 - 10% OM, use 2.5 to 3.4 pt/A. On soils with more than 10% OM, use 3.4 pt/A.

Coarse = Sand, Loamy Sand, Sandy Loam

Medium = Loam, Silt Loam, Silt, Sandy Clay, Loam

Fine = Silty Clay Loam, Clay Loam, Sandy Clay, Silty Clay, Clay

USE RESTRICTIONS

Early Preplant	Fearless may be applied before weeds emerge and up to 45 days before planting corn (field/silage). Split applications can be made 30 to 45 days prior to planting with 60% of broadcast rate applied initially and the remaining 40% applied at planting. Applications made less than 30 days prior to planting can be made either as a split or a single application. If emerged weeds are present at the time of treatment, glyphosate, paraquat or 2,4-D should be added in a tank mixture.
Preplant Incorporated	Fearless and labeled tank mixtures may be mixed into the top 2 inches of soil using shallow incorporation any time within 14 days prior to planting. Apply to soil surface as a broadcast application.
Preemergence	Fearless and labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence. Apply within 5 days of last preplant tillage. If weeds emerge after treatment, or if treatment is applied more than 5 days after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance. Precipitation of 1/4 to 3/4 inch within 7 days after application is needed to move Fearless into the weed germination zone.
Postemergence	Fearless and labeled tank mixtures may be applied postemergence until corn reaches 11 inches tall. Application must be made prior to weed seedling emergence or in a tank mix that controls emerged weeds. Precipitation of 1/4 to 3/4 inch within 7 days after application is needed to move Fearless into the weed germination zone.



For more information, visit helmagro.com.

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