

# GENTLE ON LIBERTYLINK® CORN WICKED ON WEEDS™

**SINATE®** is a postemergence corn herbicide that controls herbicide-resistant and important driver weeds in LibertyLink® corn with outstanding crop safety.

## Smoke 'Em if You Got 'Em

The powerful one-two punch of Impact® Herbicide and glufosinate provides punishing efficacy in the fight against herbicide-resistant weeds like **waterhemp, Palmer amaranth, kochia** and **giant ragweed**.

## Control You Can Count On

Growers know agronomic conditions must be just right for glufosinate to realize its maximum potential. Combining Impact Herbicide with glufosinate delivers more consistent performance on a wide spectrum of grass and broadleaf weeds.

## Safe on LibertyLink Corn

- Impact Herbicide is **The Standard in Corn Safety®**.
- The inherent tolerance of the LibertyLink corn trait to glufosinate helps **SINATE** deliver outstanding corn safety.
- It is estimated that LibertyLink hybrids are planted on over half of corn acres.
- LibertyLink corn hybrids are available in Herculex®, SmartStax® and Agrisure® hybrids with corn borer protection. Always confirm that hybrids are LibertyLink before treatment with SinatE.

**SINATE** technology combined with the LibertyLink corn trait provides growers with the next generation in resistance management.

## SINATE Herbicide

### Equivalent rates of product per acre

SINATE Rate (fl oz/A)	Impact 2.8SC Equivalent Rate (fl oz/A)	Glufosinate 280SL Equivalent Rate (fl oz/A)	No. Acres Treated per 5 Gal Case
21	0.75	22.2	30
24	0.86	25.3	27
28	1.00	29.6	23



Rowley, IA  
July 27, 2020

See our entire line of products at [AMVAC.com](http://AMVAC.com)

**SINATE** is designed for LibertyLink corn acres that require intense weed control with excellent crop safety.

- Corn-on-corn acres where weed problems can be more intense requiring multiple modes of action for significant management.
- Historical problem fields where current weed control programs just don't cut it.
- Acres with tough, often herbicide-resistant weeds including:

### Corn Stage at Application

LibertyLink Field Corn: Apply spike up to 24 inches tall/V7 stage of growth. Use drop nozzles for corn 24–36 inches tall.  
 LibertyLink Sweet Corn: Apply spike up to V6 stage of growth.

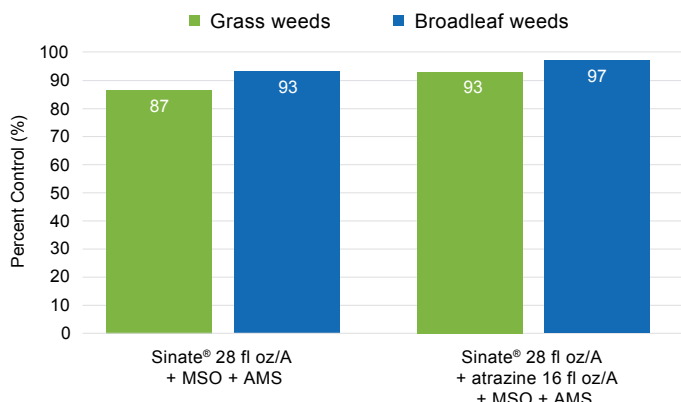
### Weed Stage at Application

Apply to grass and broadleaf weeds up to 3 inches in height, species dependent, for best performance. Larger weed sizes may be controlled using herbicide tank mixtures.

Ground apply at 15 gal/A minimum using nozzle type, spray pressure and water volume to deliver medium sized droplets (250–400 microns) to thoroughly cover target weeds.

### Tank Additives

- Methylated Seed Oil (MSO) at 1% v/v (1 gal/100 gal) **or**
- High Surfactant Methylated Oil Concentrate (HSMOC) at 0.5–0.75% v/v (2–3 qt/100 gal) **plus**
- Spray grade ammonium sulfate (AMS) at 3 lb/A



Total postemergence applications targeted 4-6 inch height weeds. Results include observations from 12 grass and 23 broadleaf weeds taken 28 days after application. Third party results from 11 Midwest trial locations in 2020.

### Got unprotected corn acres needing immediate attention?

One-pass control of emerged grass and broadleaf weeds. Tank-mix with your preferred residual herbicides to tailor-fit grower's weed control needs.

### Recommended tank-mix and additives

Apply the following tank-mix to LibertyLink corn when grass and broadleaf weeds are less than 3 inches in height using 20 gal/acre and nozzles producing medium droplets (250-400 microns):

- **AMS** at 3 lb/acre  
Plus
- **atrazine** at 8 fl oz/acre minimum<sup>1</sup>  
Plus
- **SinatE** at 28 fl oz/acre  
Plus, if desired
- **Residual group 15** containing herbicides at labeled rate<sup>1</sup>  
Plus
- **Methylated Seed Oil** at 1 gal/100 gal water<sup>2</sup>

<sup>1</sup>Follow application timing restrictions on the residual herbicide label for emerged corn.

<sup>2</sup>MSO containing 10% emulsifier minimum.