

A Quick Guide to Using LibertyLink Soybeans Effectively

LibertyLink soybeans and Ignite herbicide are effective tools to control annual weeds and break the cycle of continuous glyphosate use. Ignite herbicide is effective for control of many ALS- and glyphosate-resistant weeds, including marestail and common and giant ragweed. This publication provides guidelines for the successful management of LibertyLink soybeans

1. Use Tillage or Burndown Herbicides to Ensure a Weed-Free Start at Planting

2,4-D ester + glyphosate (1.5 lb ae)
2,4-D ester + Gramoxone (3 to 4 pts) + metribuzin
Sharpen + glyphosate

2. Use Residual Herbicides to Reduce Weed Populations, Slow Weed Growth and Provide Flexibility in the Postemergence Application Window

for lambsquarters

any residual herbicide except IntRRO, Outlook, or metolachlor.

for waterhemp

residual herbicides that contain Valor or Spartan (Authority).

for giant ragweed

Valor XLT, Authority First, Sonic, Canopy/Cloak DF or EX, Envive/Enlite, Scepter, Gangster, or FirstRate

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Herbicide rates shown in this document are on a per acre basis.

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3. Apply Ignite Postemergence at the Proper Time According to Weed Size.

Preferred Approach

If broadleaf weeds are 3 to 6 inches tall, use 22 oz of Ignite in the first postemergence treatment and follow up with a second treatment of 22 oz if needed.

If environmental conditions prevent timely application and broadleaf weeds are 6-10 inches tall, a single application of up to 36 oz may be used. Do not apply more than 22 oz if soybeans are beyond the V4 growth stage.

Use Pattern	1st post application	2nd post application	Season Maximum
Option 1	22 oz	22 oz	44 oz
Option 2	29 - 36 oz	none	36 oz

If yellow foxtail or barnyardgrass is present, add a POST grass herbicide such as clethodim or Fusion.

4. Proper Sprayer Setup Will Ensure Successful Results.

GPA – Ignite should be applied in a minimum of 15 gallons of water per acre. In dense weed/crop canopies, 20 to 40 gallons of water per acre should be used to ensure thorough spray coverage.

Spray droplet size – Apply Ignite using nozzles and pressures that generate medium (250 – 350 micron) spray droplets. Do not use nozzles that produce coarse sprays. Fine sprays should be avoided to minimize spray drift.

Continued



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4. Proper Sprayer Setup Will Ensure Successful Results.

Adjuvants – Ignite must be applied with ammonium sulfate (AMS) at the rate of 3 lbs/A. Anti-foams and drift control agents may be added if needed. Use of any additional surfactant is not needed.

5. Do Not Spray at Night or Under Adverse Conditions.

Spray between dawn and 2 hours before sunset to avoid the possibility of reduced weed control. Avoid spray applications when heavy dew, fog, mist/rain is present, or when weeds are under stress due to environmental conditions such as drought, cool temperatures or extended periods of cloudiness.

Control of Glyphosate-Resistant Marestalk

Marestail

Burndown	Residual Pre	Post
2,4-D ester + glyphosate (1.5 lb ae); or 2,4-D ester + Gramoxone (3 to 4 pts) plus 4 to 6 oz ai metribuzin	Valor/Valor XLT, Spartan, Authority First/Sonic, Authority MTZ, Canopy DF/Cloak DF + 4 to 6 oz ai metribuzin, Envive/Enlite, Gangster.	6" marestail - Ignite (22 oz) followed by Ignite (22 oz) 3 weeks later - if needed
or Sharpen + glyphosate	or Canopy DF/Cloak DF + 4 to 6 oz metribuzin	

Other Web Articles available from your Indiana Ohio Weed Science team

Benefits of Preemergence Herbicides in Roundup Ready Soybean

Herbicide Programs for Non-GMO Soybean

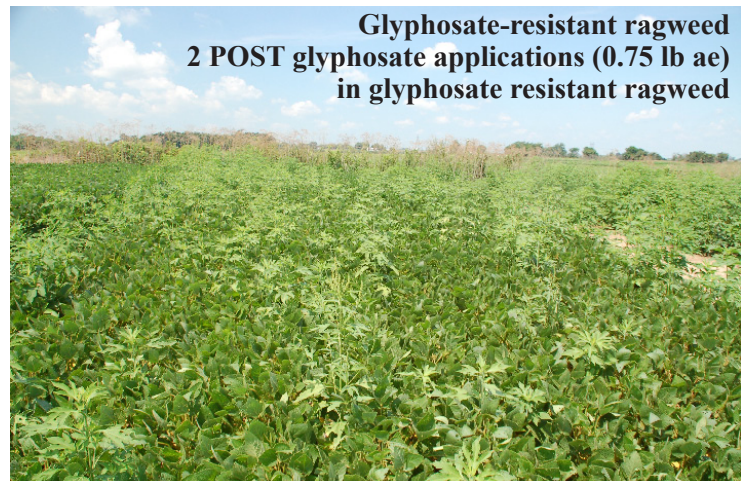
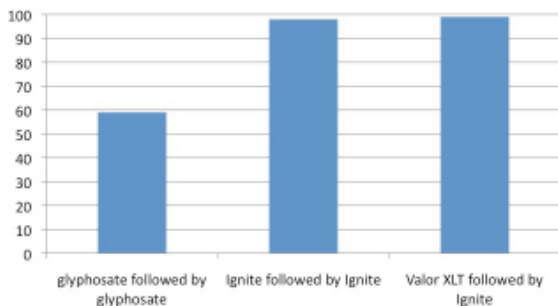
Late-Season Postemergence Issues in Roundup Ready Soybeans

Control of Lambsquarter in Corn and Soybean

Control of Glyphosate-Resistant Giant and Common Ragweed

Burndown	Residual Herbicide	Post
2,4-D ester + glyphosate; or 2,4-D ester + Gramoxone (3 to 4 pts) + metribuzin	Valor XLT, Authority First, Sonic, Canopy/Cloak DF or EX, Envive/ Enlite, Prefix, Gangster, Scepter or FirstRate	6" ragweeds - Ignite (22 oz) followed by Ignite (22 oz) 3 weeks later - if needed
or Sharpen + glyphosate	or Canopy/Cloak DF, FirstRate	

Glyphosate Resistant Giant Ragweed
Control



Information presented above and where trade names are used, they are supplied with the understanding that no discrimination is intended and no endorsement by Ohio State University or Purdue University Extension is implied. Although every attempt is made to produce information that is complete, timely, and accurate, the pesticide user bears responsibility of consulting the pesticide label and adhering to those directions.

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