

# TECHNICAL RECOMMENDATION

## Herbicide Programs for Horseweed/Marestail Management for Liberty Link Soybeans in Missouri (excluding the bootheel)

- Fall application of glyphosate (32 oz/A) + AMS (8.5-17.0 lbs/100 gal) + 2,4-D (1.5 pt/A) + dicamba (8 oz/A) followed by
- Spring residual application of
  - Boundary 6.5 EC Herbicide (1.75 pt/A) **OR** Prefix Herbicide (2 pt/A) **OR** BroadAxe XC Herbicide (25 oz/A) preplant or preemergence
- In no-till soybeans, add one of the following burndown herbicides to the spring residual herbicide
  - Gramoxone SL 2.0 Herbicide (3-4 pts/A) + NIS 1 qt/100 gal + 2,4-D (1.5 pt/A) **OR** Metribuzin (3 oz/A)  
**OR**
  - Liberty 280 SL (29-36 oz/A) + Metribuzin (3 oz/A) + AMS (17 lbs/100 gal)
- Followed post emergent by
  - Liberty 280 SL (29-36 oz/A) + Dual II Magnum Herbicide (1 pt/A) + AMS (17 lbs/100 gal) 1<sup>st</sup> application in crop  
**OR**
  - Liberty 280 SL (29-36 oz/A) + Prefix (2 pt/A) + AMS (17 lbs/100 gal) 1<sup>st</sup> application in crop, only if Prefix is not used in the spring pre residual application above

### Additional Information

- Prefix herbicide may be applied up to 15 days before planting, use the high end of the rate range
- Prefix herbicide may be applied post emergence from cracking to 90 days before harvest
- Sharpen herbicide may be substituted for 2,4-D to allow for same day planting
- Fall or spring tillage will aid in control of marestail
- For optimal or more consistent control, make spring burndown applications to less than 4" tall marestail

### Precautions

- Do not apply 2,4-D if planting within 7 days of application or crop injury could occur
- Do not apply Gramoxone SL 2.0 to emerged soybeans, or Liberty 280 SL to emerged glyphosate tolerant soybeans
- Use only one application of fomesafen containing herbicides (Prefix, Reflex, Flexstar, Flexstar GT) per year
- The season total of Liberty 280 SL may not exceed 65 oz/A, including all application timings
- Glyphosate will not control glyphosate resistant weed biotypes

BDC 10/2016

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