

ALTERNATIVE PROGRAMS FOR GLYPHOSATE



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Liberty Link Weed Control Research

- Evaluated for nonselective weed control for number of years
- Evaluated for soybean, corn, and cotton weed control past few years
- Results have been very impressive with respect to efficacy on troublesome cotton weeds



Liberty Link Weed Control Research

- 22 oz/A rate (Ignite 280 SL) has provided greatest consistency when applied to susceptible weeds 3 to 4" in height
- Speed of activity is intermediate between paraquat and glyphosate
- Cotton tolerance is excellent (true tolerance) to much higher rates than needed for weed control



Liberty Link Weed Control Research

- Excellent control (90 to 100%) of cocklebur, morningglories, hemp sesbania, sicklepod, prickly sida (teaweed), Pa. smartweed, hophornbeam copperleaf, smellmellon
- Control of barnyardgrass, browntop millet, and other annual grasses has been good to excellent if applied at 3 to 4"
- Control seems to be better on seedling johnsongrass as size increases (to a point)



Liberty Link Weed Control Research

- Control of larger morningglories and hemp sesbania is much better than with glyphosate
- Control of pigweed has been erratic
- Poor control of purple nutsedge
- Control of larger annual grasses (> 4") can be erratic and require higher rates, especially goosegrass and broadleaf signalgrass



Liberty Link Weed Control Research

- Multiple applications needed due to lack of residual control
- Residual grass materials at planting have benefited system where timely applications were delayed and pigweed pressure was heavy. Also Dual OT with Liberty has provided residual grass control with later applications
- Staple has increased control of pigweed and provided residual control
- POST only systems with timely application have looked good



Liberty Link Weed Control Research

- Liberty Link systems have good fit for cotton weed control in La
- Resistance management program



PRE Conventional Weed Control

- Grasses: trifluralin, pendimethalin, s-metolachlor, clomazone
- Broadleaves: fluometuron, diuron
pyrithiobac, fomesafen



POST Conventional Weed Control

- Over-the-top: pyriithiobac, trifloxysulfuron, s-metolachlor, graminicides
- Shielded/PD/Layby: fomesafen, MSMA, diuron, prometryn, fluometuron, carfentrazone, pyraflufen, linuron, oxyflurofen, lactofen, flumioxazin, s-metolachlor
- Cultivation









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QUESTIONS?

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