

Introduction



- The increase in herbicide-resistant weeds has led to a greater interest in IWM.
- Use of weed electrocution is currently limited in soybean, but is more commonly used and has been previously researched in specialty crops (Diprose et al. 1985).
- 20 kV has been shown to provide effective control of weeds (Korres et al. 2019).
- The Weed Zapper[™] is a common, commercially-available implement currently in use primarily by organic and specialty crop growers.

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Effect of Rescue Treatments on Giant Ragweed Control (Indiana 2021) 7 Days After Treatment End-of-Season А 100 100 Visual Waterhemp Control (%) 80 80 60 60 40 40 20 20 Wi ck Ap p. Wick App. 1-pass dicamba Wee dZap per Wee dZap per 3 mp h 5 mp h Wee dZap per 3 mp h 5 mp h 1-pass d icam ba ame letter are not different, LSD 16



Conclusions

- · Speed of electrocution did not affect efficacy
- Weed electrocution provided highest control of giant ragweed > waterhemp > Palmer amaranth = giant foxtail = velvetleaf
- Other rescue treatments (inter-row cultivation or mowing, rope wick herbicide application) generally performed similar or better than electrocution on the weed escapes evaluated in this research

