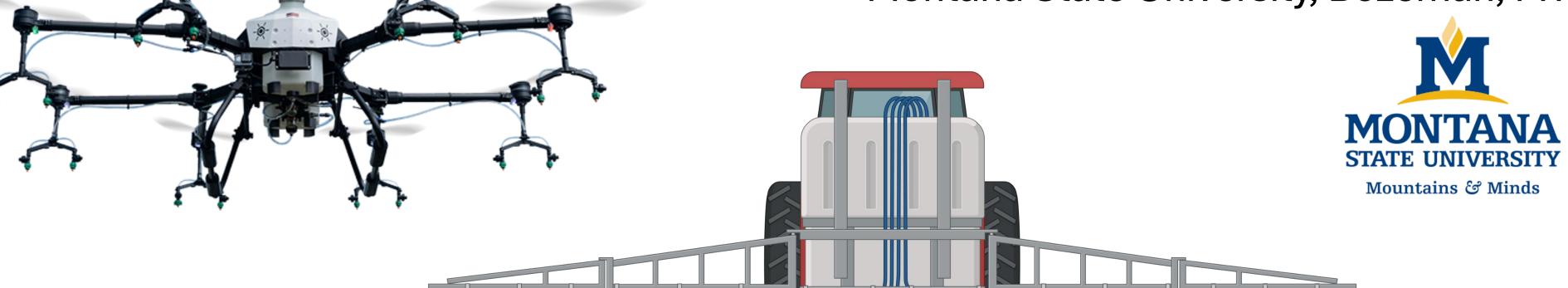
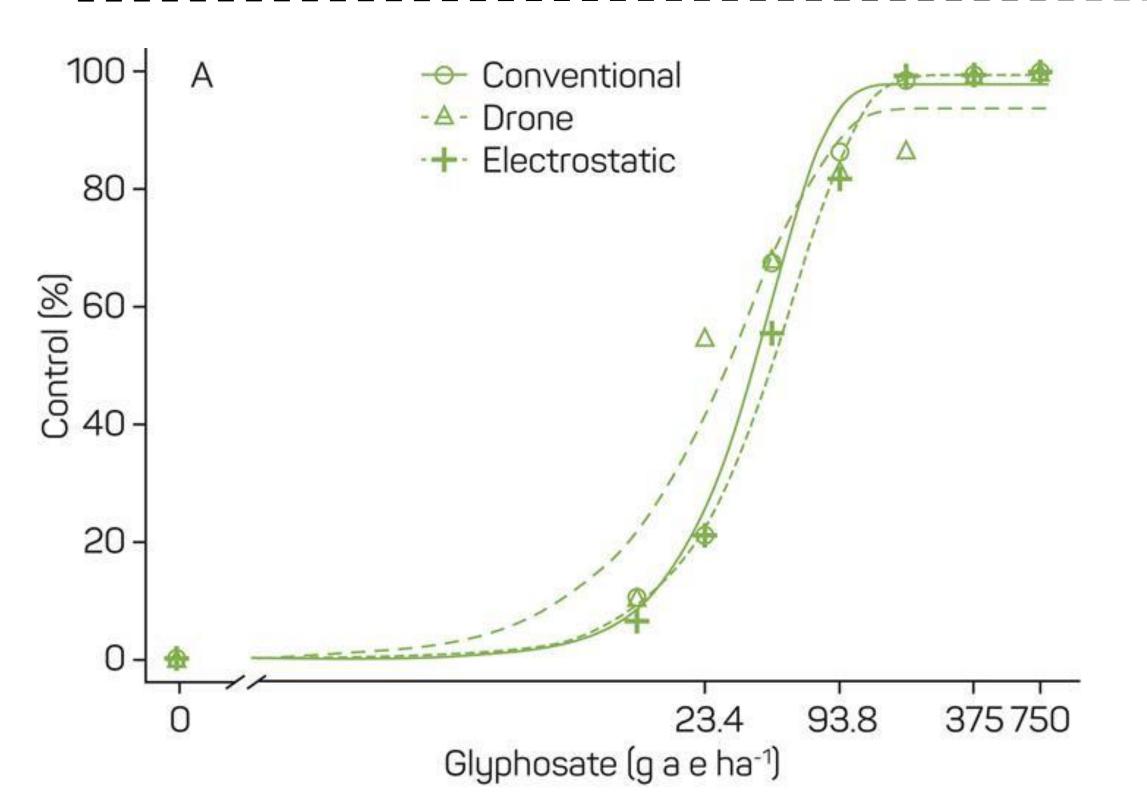
Weed Management Research Using Spray Drones

Ruby Tiwari, Paul Nugent, Tim Seipel Montana State University, Bozeman, MT



- ✓ Less exposure to chemicals
- ✓ Targeted spot spraying
- ✓ Hard-to-reach zones

- ✓ Automated flight paths
- ✓ Real-time monitoring
- ✓ GPS-guided spraying



Herbicide applications via drones provided better control of weeds compared to terrestrial methods

(Palacios-Zuñiga et al., 2024)

On-going research: Pre-harvest weed control in pulses using spray drone

