

Efficacy of SureGuard and SureGuard + Glyphosate

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Three trials were initiated to determine differences between applications of SureGuard vs. SureGuard + glyphosate. The glyphosate used in this study was Roundup Pro (Monsanto Corp., St. Louis, MO). Rates for SureGuard and Roundup Pro were 12 oz/ac and 24 oz/ac, respectively. The trial sites included a gravel area in the nursery area of the main campus of The Ohio State University, a nursery field area which contained one *Acer rubrum* per plot, and a bare field area. The gravel and nursery field were both treated on May 28, 2014 and the bare field was sprayed on June 13, 2014. Treatments were applied with a CO₂ backpack sprayer delivering 25 gal/ac.



Figure 1. Starting photos of gravel area (top) and field nursery area (bottom).



Figure 2. Starting photos of bare field area.



Figure 3. Roundup Pro only in field nursery area at 16 DAT.



Figure 4. SureGuard only in nursery gravel area at 16 DAT.



Figure 5. SureGuard only in field nursery area 16 DAT.



Figure 6. SureGuard + Roundup Pro 16 DAT in nursery gravel area.



Figure 7. SureGuard + Roundup Pro 16 DAT in field nursery area



Figure 8. SureGuard only at 5 DAT in bare field area.



Figure 9. SureGuard + Roundup Pro at 5 DAT in bare field area.



Figure 10. Roundup Pro only at 5 DAT in bare field area



Figure 11. SureGuard only in bare field area at 19 DAT.



Figure 12. SureGuard + Roundup Pro in bare field area 19 DAT.



Figure 13. Roundup Pro only in bare field area 19 DAT.



Figure 14. Untreated area in bare field area 19 DAT.