

AMINOCYCLOPYRACHLOR BLEND PRODUCTS FOR VEGETATION MANAGEMENT ON RAILROAD AND UTILITY SITES. Ronnie G. Turner, Jerry R. Pitts, Donald D. Ganske, Product Development Manager, Field Development Rep and Field Development Rep, DuPont Land Management, Memphis, TN 38125 and Edison Hidalgo, Jon S. Claus, Research Scientist and Global Development Manager, DuPont Stine-Haskell Research Center, Newark, DE 19711.

Vegetation management is essential for the safe and efficient operation of railroad switch yards, rail lines and electrical substation sites. In these types of bareground weed control situations, aminocyclopyrachlor and aminocyclopyrachlor plus DuPont sulfonylurea (SU) herbicides (developmental blend products) were evaluated in a number of sites across the United States in 2007, 2008 and 2009. Both preemergent and postemergent applications were made to small plot replicated trials using a CO₂ back-pack sprayer. All sites were evaluated at a range of 30 to 360 days after treatment. In these trials, aminocyclopyrachlor at 2 to 4.5 ounces active per acre tank mixed with DuPont SU herbicides provided excellent control of many broadleaf weeds and grasses, such as, Russian thistle, kochia, pigweeds, maretail, Canada thistle, including weeds resistant to ALS inhibitors, triazines and glyphosate. Foliar applications of aminocyclopyrachlor or the aminocyclopyrachlor blend products plus a methylated seed oil adjuvant applied to encroaching brush or vine species at several of these sites provided control of trumpetcreeper, Virginia-creeper, ash, locust, multiflora rose, poison-ivy and common buckthorn. The results observed in these trials will help support registration and labeling efforts for aminocyclopyrachlor blended products in the railroad and electric utility weed management markets.