

TECHNICAL INTRODUCTION OF DUPONT'S NEW VEGETATION MANAGEMENT HERBICIDE AMINOCYCLOPYRACHLOR. Ronnie G. Turner, Jon S. Claus, Mark J. Holliday and Edison Hidalgo, US Product Development Manager, DuPont Crop Protection, Memphis, TN 38125, Global Product Development Manager, Six Sigma Project Manager and Research Biologist, DuPont Crop Protection, Wilmington, DE 19805.

Aminocyclopyrachlor, a new active ingredient herbicide from DuPont, is currently under development for use in non-crop markets including rights-of-way, bareground, roadsides and invasive weed management.

Aminocyclopyrachlor is a novel pyrimidine carboxylic acid herbicide which provides both postemergent and soil residual activity in controlling many annual and perennial broadleaf weeds and brush species. This low use rate auxin-type herbicide provides broad-spectrum control of many broadleaf weeds including Asteraceae, Fabaceae, Chenopodiaceae, Convolvulaceae, Solanaceae and Euphorbiaceae, and a number of woody plant species, such as, *Acer rubrum*, *Acer negundo*, *Celtis occidentalis*, *Salix alba*, *Nyssa sylvatica*, *Prosopis juliflora* and *Ulmus americana*. Aminocyclopyrachlor also controls important ALS, PPO, triazine and glyphosate resistant weeds such as, *Amaranthus spp.*, *Kochia scoparia*, *Conyza canadensis*, *Ambrosia spp.*, and *Salsola iberica*. Aminocyclopyrachlor has a very favorable toxicological (*acute and subchronic toxicity testing complete*) and environmental safety profile. Aminocyclopyrachlor will provide new standard for broadleaf and woody plant weed control in the roadside, invasive weed management, rights-of-way and bareground markets.