

MANAGEMENT OF KEY NOXIOUS AND INVASIVE WEEDS WITH AMINOPYRALID AND OTHER HERBICIDES. B.Sleugh, P. Burch, M. Halstvedt, W. Kline, V. Langston, R. Masters, M. Melichar, V. Peterson, Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268.

With the introduction of aminopyralid, an innovative, non-restricted use active ingredient from Dow AgroSciences, successful strategies for managing many noxious and invasive species in some of the most ecologically sensitive sites, including pastures and rangeland, can be developed. Aminopyralid is a pyridine carboxylic acid herbicide developed for selective broadleaf weed control in sites such as rangeland, pastures, rights-of-way, non-cropland, and natural areas and was registered under the Environmental Protection Agency's Reduced Risk Pesticide Initiative. Aminopyralid is effective at rates between 53 and 120 g acid equivalent (ae) ha⁻¹ in rangeland and pastures with no injury to many cool- and warm-season grasses and is available commercially in the USA and Canada in two products, Milestone[®] and ForeFront R&P[™] herbicides. Aminopyralid and other Dow AgroSciences active ingredients consistently provide excellent control of invasive and noxious weeds such as Canada thistle (*Cirsium arvense*), musk thistle (*Carduus nutans*), spotted knapweed (*Centaurea maculosa*), Sericea lespedeza (*Lespedeza cuneata*), and kudzu (*Pueraria lobata*), and others in a wide variety of environments. Two years after fall applied aminopyralid treatments to Canada thistle regrowth, 87%, 90%, and 93% control was observed for 90, 105, and 120 g ae ha⁻¹, respectively. Spotted knapweed was controlled 100% at 426 days after application of 105 to 120 g ae ha⁻¹ aminopyralid in May, June or September. PastureGard[®] herbicide at 420 + 105 g ae ha⁻¹ (triclopyr + fluroxypyr, respectively) or approximately 2 pints of product acre⁻¹, provided greater than 90% sericea lespedeza control 428 days after treatment. These results indicate that herbicides are an important part of integrated approaches to managing noxious and invasive weeds in various habitats.

[®][™]Trademark of Dow AgroSciences LLC

Always read and follow the label directions.