

New Herbicides From Dow AgroSciences

Two new herbicides have been recently registered for use in Texas. They are PastureGard™ and Surmount™. Both will be used primarily to control woody species that have been difficult to control in the past.

PastureGard is a combination of triclopyr and fluroxypyr and DOES NOT require a private pesticide applicator's license to purchase. The label of PastureGard states the following:

“For control of unwanted broadleaf herbaceous and woody plants in rangeland and permanent pastures, fence rows, non-irrigation ditch banks and around farm buildings using broadcast, foliar, basal bark or cut stump individual plant treatment methods.” Dow AgroSciences also states *“In particular, PastureGard will be the product of choice for Sericea lespedeza, blackberry, ironweed, dogfennel, wax myrtle, bois d'arc (osage orange) and many other woody plants and broadleaf weeds for professional cattle raisers.”*

Surmount is a combination of picloram and fluroxypyr and DOES require a private pesticide applicator's license to purchase. The label of Surmount states the following:

“For the control of woody plants and annual and broadleaf weeds in rangeland and permanent grass pastures, fencerows, non-irrigation ditchbanks, and around farm buildings.” Dow AgroSciences states that *“In particular, Surmount will be the product of choice for pricklypear, honeylocust, blackberry, bois d'arc (osage orange), ironweed, horsenettle, and many other woody plants and broadleaf weeds for professional cattle raisers.”*

Our work with PastureGard and Surmount has been primarily with individual plant treatment (IPT) strategies for control of persimmon sprouts and honey locust. The following table illustrates our results.

Table 1. Efficacy of selected herbicides on persimmon and honey locust applied as high volume foliar spray individual plant treatments. All treatments contain 0.25% non-ionic surfactant.			
Treatment	Concentration (%)	-----Mortality----- (%)	
		Persimmon	Honey Locust
Grazon P+D	1	20	55
PastureGard	1	88	39
PastureGard	2	98	6
Surmount	1	87	97
Redeem	1	90	0
Redeem	1.5	86	3
Grazon P+D & Remedy	1 + 0.25	94	N/A
Tordon 22K & Remedy	0.5 + 0.5	92	N/A