Pesticide Use and Pest Management Practices for Major Crops in North Dakota - 2000

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PESTICIDE USE FOR PASTURE

In 2000, 11.9 million acres in North Dakota were designated as pasture. Only 1.4%, or 170,000, of these acres were treated with herbicides (Table 32). Eleven herbicide actives were mentioned by survey respondents. 2,4-D at 0.7% and picloram at

0.6% were the two most frequently used herbicides. These two actives have been the most widely used products during the past 10 years (Figure 14). No insecticides were reportedly used on these acres.

TABLE 32. PASTURE: Herbicide usage and application method. North Dakota, 2000

		Acres Treated	Applications			Applicator			Method of Application	
	Acres Treated ²		1 X	2 X	3 X	4 X	Farm Operator	Custom	Aerial	Ground
	(1000)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Herbicide ¹										
2,4-D	79.8	0.7	93.6	4.7	1.7		67.4	32.6	28.3	71.7
Clopyralid + 2,4-D	1.1	0.0	100.0				98.2	1.8		100.0
Dicamba	6.3	0.1	94.6	5.4			88.8	11.2	0.2	99.8
Glyphosate	4.9	0.0	58.4	41.6			77.4	22.6	2.5	97.5
Glyphosate + 2,4-D	1.0	0.0	10.4	89.6			100.0			100.0
Glyphosate + Dicamba	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Imazethapyr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MCPA	1.3	0.0	100.0				100.0		0.4	99.6
Metsulfuron	1.9	0.0	100.0				59.3	40.7	40.7	59.3
Paraquat	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Picloram	70.7	0.6	89.2	3.5	0.2	7.1	83.4	16.6	13.2	86.8
Quinclorac	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thifensulfuron	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
All Herbicides	170.5	1.4	90.6	5.6	0.9	3.0	76.1	23.9	19.4	80.6

¹ Herbicides applied as a tank mixture were considered separately unless a commercial premix was used.

² Multiple applications to the same acre were reported as separate values. Acres treated can exceed 100% of the planted acres. NS - not sufficient to estimate district or state projections.



Figure 14. Percent of North Dakota pasture acres treated with the top five active ingredients from the herbicide

pesticide group reported in the 1992, 1996, and 2000 statewide pesticide use surveys.