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

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PESTICIDE USE FOR OTHER HAY

Over one million acres in North Dakota are classified as other hay (Table 28). Only 1.8% of these acres was treated with herbicides (Table 29). A total of seven herbicide actives were mentioned by survey respondents. 2,4-D was applied to 0.9% of the acres, alone or as a premix. No use of insecticides or fungicides was reported by survey respondents.

TABLE 28. Production summary for OTHER HAY, North Dakota, 1996-2000 (NDASS, 2001).

	Acres		Yield		Marketing	X7 1 6	Value per	T	0
Year	Planted	Planted Harvested		Production	Year Avg. Price	Value of Production	harvested Acre	U.S. Production	
	(000	Acres)	(tons)	(000 tons)	(\$/ton)	(000 Dols.)	(Dols.)	(%)	(Rank)
1996	1,200	1,200	1.40	1,680	39.00	65,520	54.60	2	15
1997	1,400	1,400	1.25	1,750	43.50	76,125	54.38	2	15
1998	1,200	1,200	1.45	1,740	37.50	65,250	54.38	3	13
1999	1,450	1,450	1.65	2,393	29.00	69,397	47.86	3	9
2000	1,100	1,100	1.70	1,870	31.00	57,970	52.70	3	13

TABLE 29 . OTHER HAY: Herbicide usage and application method. North Dakota, 2000

			Applications		Applicator		Method of Application		
	Acres Treated ²	Acres Treated	1 X	2 X	3 X	Farm Operator	Custom	Aerial	Ground
	(1000)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Herbicide ¹									
2,4-D	9.6	0.9	100.0			91.4	8.6		100.0
Alachlor + Glyphosate	NS	NS	NS	NS	NS	NS	NS	NS	NS
Clopyralid + 2,4-D	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dicamba	0.5	0.0	100.0			35.3	64.7		100.0
Glyphosate	3.0	0.3	100.0			79.9	20.1		100.0
MCPA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Picloram	5.5	0.5	98.5	1.5		86.1	13.9		100.0
All Herbicides	19.7	1.8	99.6	0.4		87.2	12.8		100.0

¹Herbicides 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 11. Percent of North Dakota other hay acres treated with the top five active ingredients from the herbicide pesticide group reported in the 1992, 1996, and 2000 statewide pesticide use surveys.