

Pesticide savings

Using data from 2003 pesticide survey in Ontario and the Farm Input Price Survey Ridgeway College

Production	Total pesticides applied kg active ingredient	Total area 2003 ha	Av kg/ha	Adjustments	Organic ha	kg saved	Cost \$/kg	Savings	Notes
<i>Crop</i>									
Pasture	2400	844977	0.003		62493	177	6.37	1130.67	2004 area
Hay	18400	938900	0.020		70071	1373	6.87	9433.99	
Spring Wheat	26082	46500	0.561		5628	3157	4.74	14961.85	
Winter Wheat	243306	400600	0.607		35144	21345	5.01	106938.57	
Barley	69153	103200	0.670		9552	6401	4.39	28100.10	
Fall Rye	14956	24300	0.615		3563	2193	4.23	9276.67	Assumes no spring rye
Oats	25116	44500	0.564		5318	3002	3.96	11886.67	
Corn	1531700	827600	1.851		38853	71908	16.84	1210932.33	Includes grain and silage
Soybeans	1197000	805300	1.486		86854	129100	13.02	1680882.13	
Flax	2271	803	2.828		622	1759	19.94	35068.81	No 2003 data for area
Edible Beans	60300	42500	1.419		2399	3404	10.42	35470.57	
Mixed Grains	37458	70800	0.529		8351	4418	4.57	20191.75	
Vegetables	204400	56680	3.606	0.256	7869	26363	218.31	5755263.93	Includes potatoes; adjustment for Bt and CuHO3 which are permitted in organic (not necessarily conventional formulations)
Fruit	248700	20240	12.288	2.67	2183	20995	10.21	214360.08	All fruits; adjustment for sulfur which is permitted (though not necessarily in conventional formulations)
Crop totals	3681242					295595		9133898.13	8% of pesticide applications for studied crops

Calculating pesticide costs: weighted average via main applied products. Field crops prices for .80% of products listed; hort crops around 65%; assumed related pesticides had similar costs in some cases