

**Table 2. Land Treated With Insecticides, Herbicides, Fungicides, and Other Chemicals: 1969 and 1964**

	For control of—									
	Weeds and grass in crops			Weeds and brush in pasture				Insects and diseases in crops		
	Farms reporting 1969	Acres		Farms reporting	Acres		Acres		1969	1964
	1969	1964	1969	1964	1969	1964	1969	1964	1969	1964
United States, total	644,984	84,913,547	59,629,354	78,056	64,238	4,967,459	3,166,802	46,149,827	37,633,100	
<b>Economic class of farm</b>										
Class 1.....	119,352	35,882,810	16,776,607	14,428	7,041	2,128,571	934,071	25,881,506	16,305,313	
Class 2.....	177,400	25,101,981	16,120,120	18,942	13,506	1,073,624	695,250	10,688,255	8,591,946	
Class 3.....	169,272	15,581,572	16,224,157	18,460	20,572	858,912	713,177	5,841,549	7,228,421	
Class 4.....	108,933	6,026,957	8,172,522	14,248	14,378	540,032	499,950	2,470,825	3,889,194	
Class 5.....	70,027	2,320,227	2,335,948	11,978	8,741	366,320	324,354	1,267,692	1,618,226	
<b>Type of farm</b>										
Cash-grain.....	206,892	41,130,278	28,095,629	12,088	10,652	508,441	335,354	15,503,069	10,444,073	
Tobacco.....	14,565	433,014	396,200	1,307	764	15,256	11,364	711,156	759,583	
Cotton.....	20,447	4,510,401	3,805,238	705	1,402	57,479	131,100	3,624,426	7,171,551	
Other field crop....	17,111	2,861,013	1,988,640	645	711	44,121	28,951	2,651,785	2,103,389	
Vegetable.....	8,142	1,212,588	570,966	163	138	10,145	5,391	1,962,715	1,558,846	
Fruit and nut.....	12,784	823,223	520,669	358	438	13,036	19,144	3,986,477	2,861,690	
Poultry.....	8,274	580,252	552,174	1,667	1,714	62,111	51,450	229,342	237,892	
Dairy.....	108,158	6,270,806	5,363,344	10,232	11,687	308,346	294,817	2,257,408	2,020,625	
Livestock other than poultry and dairy..	189,655	20,151,549	12,970,680	37,558	24,851	1,910,096	1,054,836	10,149,780	6,053,740	
Livestock ranches...	3,485	332,285	261,273	6,825	4,276	1,726,934	957,818	276,112	312,288	
General.....	50,832	6,409,905	5,031,641	5,819	7,149	282,862	249,443	4,486,805	3,927,144	
Miscellaneous.....	4,649	198,233	72,900	689	456	28,632	27,134	310,752	182,279	

crops indicate that a high percentage of the cotton, Irish potatoes, sugarbeets, and vegetable crops are treated for weed and grass control.

Data by class of farm indicate that the large, more productive farms accounted for more than a proportional share of the acreage treated in 1969 and of the increase since 1964. The increasing use of pre-emergent chemicals and the relatively low cost per acre are important factors.

The acres of pastureland treated for the control of weeds and brush accounted for 44 percent of the acres of cropland pasture and improved pasture in 1969. The acres of pastureland treated increased by 56 percent from 1964 to 1969. Most of the treated acreage in 1964 and 1969 was on livestock farms and livestock ranches which indicates that most of this acreage treated was improved pasture.

The 46.1 million acres treated for the control of insects and diseases accounted for about 18 percent of the cropland harvested in 1969. The acres treated increased by about 22 percent from 1964 to 1969. Cash-grain farms and livestock farms account for about 56 percent of the total acres treated for control of insects and diseases. This is an indication that corn for grain may be the crop most often treated. Crops which would be expected to have the highest percentage of the acres treated are cotton, Irish potatoes, sorghums, peanuts, fruits, nuts, and vegetables.

**Land Treated With Chemicals in 1969**

Data presented in table 3 provide information about the use of chemicals by economic class of farm and type of farm for 1969. Additional data on acreage treated, by class of farm, can be

**Table 3. Land Treated With Insecticides, Herbicides, Other Pesticides, and Other Chemicals: 1969**

	For control of—											
	Insects on hay crops			Insects on all other crops			Nematodes in crops			Weeds and grass in crops		
	Farms reporting	Acres	Dollars	Farms reporting	Acres	Dollars	Farms reporting	Acres	Dollars	Farms reporting	Acres	Dollars
United States, total	49,911	2,180,223	8,627,706	403,484	39,881,566	296,971,125	34,059	1,267,101	17,334,850	644,984	84,913,547	345,683,739
<b>By economic class</b>												
Class 1.....	11,851	1,078,934	4,879,465	88,205	22,252,692	197,436,523	6,966	686,194	10,963,047	119,352	35,882,810	179,538,389
Class 2.....	14,562	532,064	1,841,783	96,087	9,449,164	49,365,777	7,494	281,093	2,948,910	177,400	25,101,981	87,205,961
Class 3.....	10,809	314,924	1,034,749	89,405	5,061,171	27,702,515	8,504	174,994	1,885,472	169,272	15,581,572	48,815,736
Class 4.....	7,471	164,344	550,043	72,832	2,091,688	13,892,534	7,074	88,218	1,075,836	108,933	6,026,957	20,761,179
Class 5.....	5,218	89,957	321,666	56,955	1,026,851	8,573,776	4,021	36,602	461,585	70,027	2,320,227	9,362,474
<b>By type of farm</b>												
Cash-grain.....	5,018	159,045	610,591	90,309	14,581,323	48,504,346	2,539	247,706	1,471,301	206,892	41,130,278	139,909,249
Tobacco.....	1,007	10,799	56,238	51,062	682,905	9,476,480	15,095	159,591	2,616,797	14,565	433,014	2,591,556
Cotton.....	578	39,544	223,177	20,136	3,478,983	38,720,954	977	91,444	845,838	20,447	4,510,401	27,980,710
Field-crop.....	797	42,424	218,516	15,896	2,149,586	23,656,292	2,387	162,949	3,250,973	17,111	2,861,013	22,211,842
Vegetable.....	339	27,843	208,250	11,198	1,562,087	35,325,557	1,526	120,353	2,467,471	8,142	1,212,588	11,031,321
Fruit and nut.....	408	12,591	100,147	29,841	2,391,593	59,078,707	2,207	56,321	1,818,918	12,784	823,223	8,036,943
Poultry.....	685	14,269	49,181	4,539	197,488	1,603,161	526	8,376	110,736	8,274	580,252	2,651,706
Dairy.....	17,140	602,249	2,147,543	34,578	1,569,020	6,840,666	806	36,084	259,441	108,158	6,270,806	25,398,232
Livestock other than poultry and dairy..	15,176	583,407	1,900,405	100,313	9,238,754	32,420,205	3,260	175,682	1,321,626	189,655	20,151,549	73,610,484
Livestock ranches...	1,609	121,979	304,288	1,257	131,654	789,289	57	2,837	23,767	3,485	332,285	853,191
General.....	6,885	556,653	2,756,732	37,389	3,674,517	35,740,047	3,709	186,008	2,231,378	50,832	6,409,905	29,251,632
Miscellaneous.....	269	9,420	52,638	6,966	223,656	4,815,421	970	19,750	916,604	4,649	198,233	2,186,873