Table 12. Irrigation, Artificial Drainage, and Artificial Ponds: 1974 and 1969

Farms With Sales of $2,500 and Over		1974	1969
Farms irrigated in census year	farms	1 774	1 719
Proportion of farms	percent	3.8	3.8
Total land irrigated	acres	94 950	69 515
Average per farm	acres	53.5	40.4
Irrigated farms by acres irrigated:			
1 to 9 acres	farms	697	628
	acres	2 580	2 713
10 to 49 acres	farms	603	733
	acres	13 679	16 397
50 to 99 acres	farms	228	179
	acres	15 850	12 230
100 to 199 acres	farms	148	124
	acres	19 834	16 141
200 to 499 acres	farms	79	45
	acres	22 400	12 403
500 to 999 acres	farms	13	6
	acres	8 780	4 169
1,000 acres and over	farms	6	4
	acres	11 827	5 462
Cropland irrigated	farms	1 773	1 719
	acres	94 904	69 515
Harvested cropland irrigated	farms	1 764	1 693
	acres	93 702	66 359
Cropland pasture irrigated	farms	10	16
	acres	146	398
Other cropland irrigated	farms	41	85
	acres	1 056	2 758
Improved pastureland and rangeland irrigated	farms	2	–
	acres	46	–

Farms With Sales of $2,500 and Over		1974	1969
Estimated quantity of irrigation water applied	acre-feet	59 694	41 111
Average per acre irrigated	acre-feet	0.6	0.6
Method of irrigation:			
Furrows or ditches	farms	52	14
	acres	1 934	514
Flooding	Farms	27	20
	acres	1 013	187
Self-propelled sprinkler systems	farms	353	1 692
	acres	46 785	67 686
Other sprinkler systems	farms	1 401	
	acres	45 688	
Subirrigation	farms	25	18
	acres	701	1 624
Land in irrigated farms	acres	440 026	365 028
Cropland	acres	328 524	261 751
Harvested cropland	acres	270 898	183 372
Farms not irrigated in 1974 but irrigated between 1970 and 1973	farms	175	(X)
	acres irrigated	5 513	(X)
Farms with artificial drainage	farms	13 304	18 217
Proportion of farms	percent	28.5	41.2
Land in farms with drainage	acres	3 392 364	4 165 326
Land drained	acres	1 844 078	2 232 237
Average per farm	acres	138.6	122.5
Land drained by systems installed in census year	farms	1 615	1 294
	acres	67 488	44 162
Artificial ponds, pits, reservoirs, and earthen tanks	farms	3 889	(NA)
	number	7 040	(NA)
	acres	5 367	(NA)

Table 13. Agricultural Chemicals Used: 1974 and 1969

Farms With Sales of $2,500 and Over		1974	1969
Total chemical costs, including fertilizer and lime	farms	40 828	40 309
	$1,000	167 786	71 013
Commercial fertilizer	farms	39 710	37 044
	acres on which used	4 410 824	3 449 288
	$1,000	128 788	49 671
Dry fertilizer	farms	36 752	36 917
	tons	652 765	534 946
Farms by tons used:			
1 to 49 tons		34 090	35 278
50 to 99 tons		1 939	1 317
100 to 199 tons		585	270
200 to 499 tons		127	47
500 to 799 tons		9	4
800 to 999 tons		1	
1,000 tons and over		1	1
Liquid fertilizer	farms	10 415	9 970
	tons	91 348	60 094
Farms by tons used:			
1 to 9 tons		8 158	8 532
10 to 49 tons		1 976	1 304
50 to 99 tons		194	107
100 to 199 tons		73	22
200 to 499 tons		11	5
500 tons and over		3	–
Lime	farms	3 745	4 668
	acres on which used	149 205	127 834
	tons	326 240	290 258
	$1,000	2 603	1 606
Farms by tons used:			
1 to 49 tons		1 847	2 657
50 to 99 tons		971	1 177
100 to 199 tons		540	612
200 to 499 tons		330	202
500 to 999 tons		43	19
1,000 tons and over		14	1

Farms With Sales of $2,500 and Over		1974	1969
Total chemical costs, including fertilizer and lime—Continued			
Sprays, dusts, granules, fumigants, etc. to control insects, nematodes, diseases, and weeds:			
Insects on hay crops	farms	3 118	2 482
	acres on which used	116 366	81 715
	$1,000	498	271
Insects on other crops	farms	7 838	8 458
	acres on which used	721 986	454 271
	$1,000	9 772	5 863
Nematodes in crops	farms	271	355
	acres on which used	11 394	11 276
	$1,000	254	205
Diseases in crops and orchards	farms	2 267	2 998
	acres on which used	151 813	167 033
	$1,000	4 735	3 177
Weeds or grass in crops	farms	20 415	23 023
	acres on which used	2 476 633	1 835 441
	$1,000	18 663	9 337
Weeds or brush in pasture	farms	150	482
	acres on which used	2 348	6 240
	$1,000	20	33
Weeds on other land	farms	982	(NA)
	acres on which used	7 965	(NA)
	$1,000	70	(NA)
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms	543	765
	acres on which used	31 711	34 790
	$1,000	340	287
Insect control on livestock and poultry	farms	2 916	8 231
	$1,000	230	432
Other chemicals (see text)	farms	4 982	(NA)
	$1,000	1 812	(NA)