

TABLE 92.—PRODUCTION OF CORN, SOYBEANS, CATTLE, AND HOGS IN RELATION TO ACREAGE OF FARMLAND, BY TYPE AND ECONOMIC CLASS OF FARM, IN THE CORN BELT: 1954

Type and economic class of farm	Percent of total acres of cropland harvested		Head of livestock per 100 acres of all land in farms		Number of hogs and pigs per 100 acres of cropland
	Corn harvested for grain	Soybeans harvested for beans	All cattle and calves	All hogs and pigs	
All commercial farms.....	37.7	11.3	13	22	30
Cash-grain farms:					
Total.....	38.7	18.3	8	8	11
Class I.....	40.5	24.3	8	9	11
II.....	39.3	20.8	8	10	12
III.....	38.0	16.8	8	9	11
IV.....	37.9	14.7	7	6	8
V.....	39.1	15.2	6	4	6
VI.....	42.2	12.9	5	3	4
Livestock farms: ¹					
Total.....	39.0	5.7	18	34	51
Class I.....	41.1	7.0	28	42	60
II.....	40.1	6.9	18	41	57
III.....	38.3	5.0	16	32	48
IV.....	36.6	3.9	15	25	41
V.....	35.9	3.1	14	18	34
VI.....	36.1	2.4	12	11	25

¹ Livestock other than dairy and poultry farms.

CAPITAL INPUTS AND PRODUCT OUTPUT PER ACRE

Data on specified resource inputs and value of farm products sold in relation to land acreage are shown in tables 93 and 94. The highest value of all farm products sold per acre of land was found on farms in the Central and Eastern Corn Belt. These were also the regions where capital investment per acre and total speci-

fied expenses per acre were relatively high. The relatively high value of land and buildings per acre contributed to the relatively high value of total investment per acre on farms in the Central and Eastern Corn Belt, but the investment in machinery and equipment per acre of cropland and the number of tractors in relation to crop acres in these regions were also relatively high. Farms in the Southern Corn Belt had the relatively smallest investment in land and buildings, machinery, and livestock per acre, and they also had the lowest average value of farm products sold per acre of any region in the Corn Belt.

Total capital investment per acre of all land in farms ranged from an average of \$277 on Class I cash-grain farms down to \$142 on Class VI cash-grain farms. Among livestock farms also, total capital investment per acre was only half as great on Class VI farms as on Class I farms, with investment per acre on the other economic classes ranging between these extremes. Total specified expenses per acre likewise were highest on the upper economic classes of farms, ranging on livestock farms, for example, from \$29 on Class I farms down to \$5 on Class VI farms. It has been pointed out above that crop yields were highest on the upper economic classes and lowest on the lower economic classes of farms (table 59).

The investment in machinery and equipment per acre of cropland was lower on the upper economic classes than on the lower economic classes of farms. This comes about because the larger farms had more acres of cropland on which to use their machines so that the acreage per machine was larger. For example, Class I cash-grain farms had an average of 144 acres of cropland per tractor, while Class VI cash-grain farms had 65. In other words, the overhead cost of a set of farm machinery is greater on a per acre basis on small farms than on large farms.

TABLE 93.—SPECIFIED RESOURCE INPUTS AND VALUE OF FARM PRODUCTS SOLD IN RELATION TO LAND ACREAGE, BY TYPE OF FARM, IN THE CORN BELT AND COMPONENT REGIONS: 1954

Region and type of farm	Capital investment per acre of all land in farms (dollars)		Total specified expenses per acre of all land in farms ² (dollars)	Acres of cropland per tractor	Investment in machinery and equipment per acre of cropland (dollars)	Value of all crops sold per acre of cropland (dollars)	Value of farm products sold per acre of all land in farms (dollars)	
	Total ¹	Livestock, machinery, and equipment					Livestock and livestock products	All farm products
Total Corn Belt:								
All commercial farms.....	206	49	12	92	39	20	26	40
Cash-grain farms.....	216	39	9	101	36	33	8	35
Livestock farms ³	204	57	15	91	41	9	39	45
Eastern Corn Belt:								
All commercial farms.....	265	59	17	72	49	29	28	51
Cash-grain farms.....	250	46	11	79	45	40	10	42
Livestock farms ³	285	72	21	73	51	14	48	59
Central Corn Belt:								
All commercial farms.....	318	62	16	85	41	28	35	58
Cash-grain farms.....	333	47	11	94	38	43	11	48
Livestock farms ³	311	80	21	80	47	12	59	68
Northern Corn Belt:								
All commercial farms.....	198	58	13	87	41	16	32	44
Cash-grain farms.....	178	41	8	103	35	29	10	34
Livestock farms ³	217	71	15	83	45	7	47	52
Western Corn Belt:								
All commercial farms.....	157	40	9	116	32	15	22	32
Cash-grain farms.....	148	31	6	134	28	24	6	24
Livestock farms ³	163	47	12	110	34	7	33	37
Southern Corn Belt:								
All commercial farms.....	134	39	10	98	38	14	17	25
Cash-grain farms.....	137	32	7	107	33	24	6	23
Livestock farms ³	132	41	11	99	38	7	23	27

¹ Value of total investment in land, buildings, livestock, machinery, and equipment.

² Total of expenditures for machine hire, hired labor, feed bought, gasoline and other petroleum fuel and oil, commercial fertilizer and fertilizing material, and lime and liming material.

³ Livestock other than dairy and poultry farms.