

The inquiry for the other two items varied by States. The States and the selected crops for which the fertilizer question was asked in 1954 are listed below:

State	Specified crops fertilized						
	Corn	Wheat	Oats	Cotton	Tobacco	Rice	Sugar beets
<b>NEW ENGLAND:</b>							
Maine.....	X				X		
New Hampshire.....	X				X		
Vermont.....	X				X		
Massachusetts.....	X				X		
Rhode Island.....	X				X		
Connecticut.....	X				X		
<b>MIDDLE ATLANTIC:</b>							
New York.....	X	X					
New Jersey.....	X	X					
Pennsylvania.....	X	X					
<b>EAST NORTH CENTRAL:</b>							
Ohio.....	X	X					
Indiana.....	X	X					
Illinois.....	X	X					
Michigan.....	X		X				
Wisconsin.....	X		X				
<b>WEST NORTH CENTRAL:</b>							
Minnesota.....	X		X				
Iowa.....	X	X					
Missouri:							
Excluding S.E.....	X	X					
S.E.....	X			X			
North Dakota.....	X	X					
South Dakota.....	X	X					
Nebraska.....	X	X					
Kansas.....	X	X					
<b>SOUTH ATLANTIC:</b>							
Delaware.....	X	X					
Maryland.....	X	X					
Virginia.....	X	X			X		
West Virginia.....	X	X					
North Carolina.....	X	X			X		
South Carolina.....	X	X		X			
Georgia.....	X	X		X			
Florida.....	X	X		X			
<b>EAST SOUTH CENTRAL:</b>							
Kentucky.....	X				X		
Tennessee.....	X				X		
Alabama.....	X			X			
Mississippi.....	X			X			
<b>WEST SOUTH CENTRAL:</b>							
Arkansas.....	X			X			
Louisiana.....	X			X			
Oklahoma.....	X			X			
Texas.....	X			X			
<b>MOUNTAIN:</b>							
Montana.....		X					X
Idaho.....		X					X
Wyoming.....		X					X
Colorado.....	X						X
New Mexico.....	X			X			X
Arizona.....				X			
Utah.....		X					X
Nevada.....		X					X
<b>PACIFIC PACIFIC:</b>							
Washington.....		X	X				
Oregon.....		X	X				
California.....				X			

Since the question on use of fertilizer on specified crops was not asked in all States, the total United States acreage of these crops was not covered by the fertilizer question. The percent of the total acreage of specified crops grown in the United States that were harvested in States for which the inquiry on fertilizer used for the same crop was made is as follows:

Crop	Percent
Corn.....	99.4
Wheat.....	75.5
Oats.....	24.6
Cotton.....	93.5
Tobacco.....	75.8
Rice.....	19.0
Sugar beets.....	37.2

1954 Census data on fertilizer and lime.—Farms reporting, tons purchased, cost, and acres on which used for fertilizer and lime are shown in the tables. The use of fertilizer on selected crops and pasture was tabulated to show the farms reporting, acres fertilized, and quantity used for each selected crop. Derived data are included in the tables to show the percent of farms reporting the purchase of fertilizer and lime, the cost per ton and per acre on which used, and the amount used per farm and per acre.

The percentage of the acres of selected crops, etc. fertilized or limed, were obtained by relating the estimates based on reports for a sample of approximately 20 percent of the farms to the acres of crops harvested, etc. for all farms. The acres of other crops were obtained by subtracting the acres of the selected crops from the acres of cropland harvested. Sometimes, when two or more crops were harvested from the same land, this procedure resulted in the acres of other crops fertilized exceeding the computed acres of other crops harvested.

Fertilizer and fertilizing material.—In 1954, 61.0 percent of the farms in the United States reported the purchase of fertilizer and fertilizing material, as compared with 44.0 percent in 1944, and 38.3 percent in 1939. By geographic divisions, the percentage of farms reporting the purchase of fertilizer in 1954 varied from 27.5 percent in the Mountain States to 79.2 percent in the South Atlantic States.

The average cost of all fertilizer and fertilizing material purchased in 1954 was approximately \$57 per ton, or \$8.79 per acre fertilized. These average costs per ton varied by State from \$42 in Alabama to \$100 in Arizona. In 1939, the average cost of all fertilizer purchased was approximately \$28 per ton for the United States.

TABLE 8.—PURCHASE AND USE OF COMMERCIAL FERTILIZER AND FERTILIZING MATERIAL, FOR THE UNITED STATES, THE NORTH, THE SOUTH, AND THE WEST: 1954

[Data are based on reports for only a sample of farms. See text. Figures for States in Table 24]

Region	Fertilizer and fertilizing material purchased in 1954							Fertilizer and fertilizing material used in 1954								
	Farms reporting		Tons purchased		Acres on which used		Pounds used per acre	Expenditures for fertilizer (dollars)			Farms reporting	Tons used	Acres fertilized	Percent distribution		
	Total	Percent of all farms	Total	Average per farm	Total	Percent of acres fertilized <sup>1</sup>		Total	Per ton	Per acre fertilized				Farms reporting	Tons used	Acres fertilized
	Total	Percent of all farms	Total	Average per farm	Total	Percent of acres fertilized <sup>1</sup>	Total	Per ton	Per acre fertilized	Farms reporting	Tons used	Acres fertilized	Farms reporting	Tons used	Acres fertilized	
United States.....	2,916,406	61.0	18,953,360	6.5	122,809,445	14.3	309	1,079,265,372	56.94	8.79	2,916,406	18,869,117	122,730,363	100.0	100.0	100.0
The North.....	1,192,140	58.3	7,924,853	6.6	64,389,194	19.0	246	482,696,702	60.91	7.50	1,192,140	7,874,852	64,383,340	40.9	41.7	52.5
The South.....	1,582,518	68.3	9,535,730	6.0	48,091,598	19.5	397	475,514,946	49.87	9.89	1,582,518	9,504,953	48,015,803	54.3	50.4	39.1
The West.....	141,748	33.5	1,492,777	10.5	10,328,653	3.8	289	121,053,724	81.09	11.72	141,748	1,489,312	10,331,220	4.9	7.9	8.4

<sup>1</sup> Acres fertilized as a percent of all cropland harvested plus the acres of pasture, other than woodland pasture.