1978 CENSUS OF AGRICULTURE

Volume 5
Special Reports

Part 1
Graphic Summary
AC78-SR-1

Issued January 1982

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Joseph R. Wright, Jr.,
Deputy Secretary
Robert G. Dederick,
Assistant Secretary for Economic Affairs

BUREAU OF THE CENSUS
Bruce Chapman,
Director
ACKNOWLEDGMENTS—Many persons participated in the various activities of the 1978 Census of Agriculture. Primary direction was by Shirley Kallek, Associate Director for Economic Fields, and Richard B. Quannud, Assistant Director for Economic and Agriculture Censuses (to June 1981), and Michael G. Farrell, his successor.

This report was prepared in the Agriculture Division under the general supervision of Orvin L. Wilhite, Chief (to January 1980), his successor, Arnold L. Bollenbacher, and Joseph A. Horak, Assistant Division Chief (to May 1981). Douglas J. Miller was directly responsible for development of the subject matter content, review of the data displayed on the maps, and preparation of the text. Jay A. Johnson and Morris A. Murray under the direction of Billy E. Stark, Branch Chief, were responsible for the computer programming which extracted and formatted the county level statistics necessary in the computer preparation of the maps. Cecelia H. Peets, Regina E. Lindsey, and Karin G. Beach provided editorial services and liaison in the publication area.

The maps were prepared in the Geography Division under the direction of Stanley D. Matchett, Chief, and Joe J. Knott, Assistant Division Chief, and the Computer Graphics staff under the supervision of Frederick R. Broome, Chief, and Roy F. Borgstede. Outline and scan files were created by Roy F. Borgstede. Maps were designed and produced by Barbara A.R. Bonnette assisted by James R. Wood. Cartographic assistance was provided by the Cartographic Methods Branch under the supervision of Danny E. Jones.

Within the Publication Services Division, many individuals made significant contributions in the areas of publication planning and design, editorial review, composition, and printing procurement.

Members of various agencies of the U.S. Department of Agriculture provided advice and counsel during the planning, data collecting, and processing phases of the census and assisted farmers and ranchers who requested help in completing the report form.

Special tribute is paid to the millions of farm and ranch operators and other agriculture-associated people who furnished the information requested in the census. Only through their cooperation was it possible to collect and publish the data in this report.
CONTENTS

Introduction .................................................... XI
Explanation of Mapped Data ..................................... XIII
Table—1978 Summary of Mapped Data With 1974 Comparative Data .... XIX

MAPS

FARMS
M1  Number of Farms: 1978 ......................................... 2
M2P  Percent Change in Number of Farms: 1974 to 1978 .......... 3
M3  Farms With Sales of $2,500 or More: 1978 ................... 4
M4P  Farms With Sales of $2,500 or More as a Percent of All Farms: 1978 .................................................. 4
M5  Farms With Sales of Less Than $2,500: 1978 .................. 5
M6P  Farms With Sales of Less Than $2,500 as a Percent of All Farms: 1978 .................................................. 5
M7  Agricultural Operations Excluded by Current Farm Definition but Not by 1959 Farm Definition: 1978 ..................... 6
M8P  Agricultural Operations Excluded by Current Farm Definition as a Percent of All Farms: 1978 ..................... 6

VALUE OF LAND AND BUILDINGS
M9P  Average Value of Land and Buildings Per Farm: 1978 ........ 7
M10P  Average Value of Land and Buildings Per Acre of Land in Farms: 1978 .................................................. 7

SIZE OF FARMS
M11P  Average Size of Farm: 1978 .................................. 8
M12P  Average Size of Farm With Sales of $2,500 or More: 1978 .... 8
M13  Farms With Less Than 50 Acres: 1978 ......................... 9
M14  Farms With 50 to 179 Acres: 1978 ............................ 9
M15  Farms With 180 to 259 Acres: 1978 .......................... 10
M16  Farms With 260 to 499 Acres: 1978 .......................... 10
M17  Farms With 500 to 999 Acres: 1978 ......................... 11
M18  Farms With 1,000 Acres or More: 1978 ..................... 11
M19  Farms With 2,000 Acres or More: 1978 ..................... 12

FARMS BY STANDARD INDUSTRIAL CLASSIFICATION
M22  Rice Farms (Industry 0112): 1978 ........................... 14
M23  Corn Farms (Industry 0115): 1978 ........................... 15
M24  Soybean Farms (Industry 0116): 1978 ...................... 15
M26  Cotton Farms (Industry 0131): 1978 ......................... 17
M27  Tobacco Farms (Industry 0132): 1978 ....................... 17
M28  Sugar Crop Farms (Industry 0133): 1978 .................... 18
M29  Irish Potato Farms (Industry 0134): 1978 .................... 18
M30  Vegetable and Melon Farms (Industry Group 016): 1978 .... 19
M31  Fruit and Tree Nut Farms (Industry Group 017): 1978 .... 19
M33  General Farms, Primarily Crop (Industry Group 019): 1978 .... 20
M35  Beef Cattle Feedlots (Industry 0211): 1978 ............... 22
M36  Beef Cattle Farms, Except Feedlots (Industry 0212): 1978 .... 22
### FARMS BY STANDARD INDUSTRIAL CLASSIFICATION—Con.

<table>
<thead>
<tr>
<th>MAPS</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M37</td>
<td>Hog Farms (Industry Group 0213): 1978</td>
<td>23</td>
</tr>
<tr>
<td>M38</td>
<td>Sheep and Goat Farms (Industry Group 0214): 1978</td>
<td>23</td>
</tr>
<tr>
<td>M40</td>
<td>Poultry and Egg Farms (Industry Group 025): 1978</td>
<td>24</td>
</tr>
<tr>
<td>M43</td>
<td>Animal Specialty Farms (Industry Group 027): 1978</td>
<td>26</td>
</tr>
<tr>
<td>M44</td>
<td>General Farms, Primarily Livestock (Industry Group 029): 1978</td>
<td>26</td>
</tr>
</tbody>
</table>

### FARMS BY VALUE OF SALES

<table>
<thead>
<tr>
<th>MAPS</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M45</td>
<td>Farms With Sales of $200,000 or More: 1978</td>
<td>27</td>
</tr>
<tr>
<td>M46</td>
<td>Farms With Sales of $100,000 to $199,999: 1978</td>
<td>27</td>
</tr>
<tr>
<td>M47</td>
<td>Farms With Sales of $40,000 to $99,999: 1978</td>
<td>28</td>
</tr>
<tr>
<td>M48</td>
<td>Farms With Sales of $20,000 to $39,999: 1978</td>
<td>28</td>
</tr>
<tr>
<td>M49</td>
<td>Farms With Sales of $10,000 to $19,999: 1978</td>
<td>29</td>
</tr>
<tr>
<td>M50</td>
<td>Farms With Sales of $5,000 to $9,999: 1978</td>
<td>29</td>
</tr>
<tr>
<td>M51</td>
<td>Farms With Sales of $2,500 to $4,999: 1978</td>
<td>30</td>
</tr>
<tr>
<td>M52</td>
<td>Farms With Sales of $1,000 to $2,499: 1978</td>
<td>30</td>
</tr>
<tr>
<td>M53P</td>
<td>Farms With Sales of $20,000 or More as a Percent of All Farms: 1978</td>
<td>31</td>
</tr>
</tbody>
</table>

### TENURE AND CHARACTERISTICS OF OPERATORS

<table>
<thead>
<tr>
<th>MAPS</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M54</td>
<td>Farms Operated by Full Owners: 1978</td>
<td>32</td>
</tr>
<tr>
<td>M55P</td>
<td>Percent of Farms Operated by Full Owners: 1978</td>
<td>32</td>
</tr>
<tr>
<td>M56</td>
<td>Farms Operated by Part Owners: 1978</td>
<td>33</td>
</tr>
<tr>
<td>M57P</td>
<td>Percent of Farms Operated by Part Owners: 1978</td>
<td>33</td>
</tr>
<tr>
<td>M58</td>
<td>Farms Operated by Tenants: 1978</td>
<td>34</td>
</tr>
<tr>
<td>M59P</td>
<td>Percent of Farms Operated by Tenants: 1978</td>
<td>34</td>
</tr>
<tr>
<td>M60P</td>
<td>Rented or Leased Land in Farms by County: 1978</td>
<td>35</td>
</tr>
<tr>
<td>M61P</td>
<td>Rented or Leased Land in Farms as a Percent of Land in Farms: 1978</td>
<td>35</td>
</tr>
<tr>
<td>M62</td>
<td>Farms Operated by Black and Other Races: 1978</td>
<td>36</td>
</tr>
<tr>
<td>M63P</td>
<td>Average Age of Farm Operators: 1978</td>
<td>36</td>
</tr>
<tr>
<td>M64P</td>
<td>Percent of Farm Operators 65 Years Old and Over: 1978</td>
<td>37</td>
</tr>
<tr>
<td>M65</td>
<td>Farm Operators Reporting Any Off-Farm Work: 1978</td>
<td>37</td>
</tr>
<tr>
<td>M66P</td>
<td>Percent of Farm Operators Working Off Their Farms 100 Days or More: 1978</td>
<td>38</td>
</tr>
<tr>
<td>M67P</td>
<td>Percent of Farm Operators Not Residing on Farm Operated: 1978</td>
<td>38</td>
</tr>
<tr>
<td>M68</td>
<td>Farm Operators Who Are Female: 1978</td>
<td>39</td>
</tr>
<tr>
<td>M69P</td>
<td>Percent of Farm Operators Who Are Female: 1978</td>
<td>39</td>
</tr>
<tr>
<td>M70</td>
<td>Farms Reporting Land Held Under Foreign Ownership: 1978</td>
<td>40</td>
</tr>
</tbody>
</table>

### OCCUPATION OF OPERATOR

<table>
<thead>
<tr>
<th>MAPS</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M71</td>
<td>Farm Operators Reporting Principal Occupation as Farming: 1978</td>
<td>41</td>
</tr>
<tr>
<td>M72P</td>
<td>Percent of Farm Operators Reporting Principal Occupation as Farming: 1978</td>
<td>41</td>
</tr>
<tr>
<td>M73</td>
<td>Farm Operators Reporting Principal Occupation Other Than Farming: 1978</td>
<td>42</td>
</tr>
<tr>
<td>M74P</td>
<td>Percent of Farm Operators Reporting Principal Occupation Other Than Farming: 1978</td>
<td>42</td>
</tr>
</tbody>
</table>

### FARMS BY TYPE OF ORGANIZATION

<table>
<thead>
<tr>
<th>MAPS</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M75</td>
<td>Farms Operated by Individuals or Families: 1978</td>
<td>43</td>
</tr>
<tr>
<td>M76P</td>
<td>Percent of Land in Farms Operated by Individuals or Families: 1978</td>
<td>44</td>
</tr>
<tr>
<td>M77</td>
<td>Farms Operated by Partnerships: 1978</td>
<td>45</td>
</tr>
<tr>
<td>M78P</td>
<td>Percent of Land in Farms Operated by Partnerships: 1978</td>
<td>45</td>
</tr>
<tr>
<td>M79</td>
<td>Farms Operated by Corporations: 1978</td>
<td>46</td>
</tr>
<tr>
<td>M80P</td>
<td>Percent of Land in Farms Operated by Corporations: 1978</td>
<td>46</td>
</tr>
</tbody>
</table>
**MAPS—Con.**

**LAND IN FARMS AND LAND USE**

<table>
<thead>
<tr>
<th>MAP</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M81</td>
<td>Land in Farms: 1978</td>
<td>47</td>
</tr>
<tr>
<td>M82P</td>
<td>Land in Farms as a Percent of Land Area: 1978</td>
<td>48</td>
</tr>
<tr>
<td>M84</td>
<td>Cropland: 1978.</td>
<td>49</td>
</tr>
<tr>
<td>M85</td>
<td>Cropland—Increase and Decrease in Acreage: 1974 to 1978</td>
<td>50</td>
</tr>
<tr>
<td>M86P</td>
<td>Cropland as a Percent of Land Area: 1978</td>
<td>50</td>
</tr>
<tr>
<td>M87P</td>
<td>Cropland as a Percent of Land in Farms: 1978</td>
<td>51</td>
</tr>
<tr>
<td>M88</td>
<td>Harvested Cropland: 1978</td>
<td>52</td>
</tr>
<tr>
<td>M89</td>
<td>Harvested Cropland—Increase and Decrease in Acreage: 1974 to 1978</td>
<td>53</td>
</tr>
<tr>
<td>M90P</td>
<td>Harvested Cropland as a Percent of Land in Farms: 1978</td>
<td>53</td>
</tr>
<tr>
<td>M91P</td>
<td>Pastureland as a Percent of Land in Farms: 1978</td>
<td>54</td>
</tr>
</tbody>
</table>

**IRRIGATION AND DRAINAGE**

<table>
<thead>
<tr>
<th>MAP</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M92</td>
<td>Irrigated Land in Farms: 1978</td>
<td>55</td>
</tr>
<tr>
<td>M93</td>
<td>Irrigated Land—Increase and Decrease in Acreage: 1974 to 1978</td>
<td>55</td>
</tr>
<tr>
<td>M94P</td>
<td>Irrigated Land as a Percent of Land in Farms: 1978</td>
<td>56</td>
</tr>
<tr>
<td>M95P</td>
<td>Irrigated Harvested Cropland as a Percent of Harvested Cropland: 1978</td>
<td>56</td>
</tr>
<tr>
<td>M96</td>
<td>Irrigated Pastureland and Rangeland: 1978</td>
<td>57</td>
</tr>
<tr>
<td>M97P</td>
<td>Irrigated Field Corn for All Purposes by County: 1978</td>
<td>57</td>
</tr>
<tr>
<td>M98P</td>
<td>Irrigated Sorghum for All Purposes by County: 1978</td>
<td>58</td>
</tr>
<tr>
<td>M99P</td>
<td>Irrigated Cotton by County: 1978</td>
<td>58</td>
</tr>
<tr>
<td>M100P</td>
<td>Irrigated Wheat by County: 1978</td>
<td>59</td>
</tr>
<tr>
<td>M101P</td>
<td>Irrigated Alfalfa Hay by County: 1978</td>
<td>59</td>
</tr>
<tr>
<td>M102</td>
<td>Artificially Drained Agricultural Land: 1978</td>
<td>60</td>
</tr>
<tr>
<td>M103P</td>
<td>Artificially Drained Agricultural Land as a Percent of Land Area: 1978</td>
<td>60</td>
</tr>
</tbody>
</table>

**MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD**

<table>
<thead>
<tr>
<th>MAP</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M104</td>
<td>Value of Agricultural Products Sold: 1978</td>
<td>61</td>
</tr>
<tr>
<td>M105P</td>
<td>Value of Agricultural Products Sold by County: 1978</td>
<td>62</td>
</tr>
<tr>
<td>M106P</td>
<td>Average Value Per Farm of Agricultural Products Sold: 1978</td>
<td>63</td>
</tr>
<tr>
<td>M107P</td>
<td>Average Value of Agricultural Products Sold Per Acre of Land in Farms: 1978</td>
<td>64</td>
</tr>
<tr>
<td>M109</td>
<td>Value of Crops Sold: 1978</td>
<td>65</td>
</tr>
<tr>
<td>M110P</td>
<td>Value of Crops Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>66</td>
</tr>
<tr>
<td>M111P</td>
<td>Average Value of Crops Sold Per Acre of Harvested Cropland: 1978</td>
<td>66</td>
</tr>
<tr>
<td>M112P</td>
<td>Value of Grains Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>67</td>
</tr>
<tr>
<td>M113P</td>
<td>Value of Cotton and Cottonseed Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>67</td>
</tr>
<tr>
<td>M114P</td>
<td>Value of Tobacco Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>68</td>
</tr>
<tr>
<td>M115</td>
<td>Value of Livestock, Poultry, and Their Products Sold: 1978</td>
<td>69</td>
</tr>
<tr>
<td>M116P</td>
<td>Value of Poultry and Poultry Products Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>70</td>
</tr>
<tr>
<td>M117P</td>
<td>Value of Dairy Products Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>70</td>
</tr>
<tr>
<td>M118P</td>
<td>Value of Cattle and Calves Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>71</td>
</tr>
<tr>
<td>M119P</td>
<td>Value of Hogs and Pigs Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>71</td>
</tr>
<tr>
<td>M120P</td>
<td>Value of Sheep, Lambs, and Wool Sold as a Percent of Agricultural Products Sold: 1978</td>
<td>72</td>
</tr>
</tbody>
</table>

**DIRECT SALES OF AGRICULTURAL PRODUCTS**

<table>
<thead>
<tr>
<th>MAP</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M121</td>
<td>Value of Agricultural Products Sold Directly to Consumers for Human Consumption: 1978</td>
<td>73</td>
</tr>
<tr>
<td>M122P</td>
<td>Value of Agricultural Products Sold Directly to Consumers for Human Consumption by County: 1978</td>
<td>73</td>
</tr>
</tbody>
</table>

**FARM-RELATED INCOME**

<table>
<thead>
<tr>
<th>MAP</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M123</td>
<td>Income From Machine Work, Customwork, and Other Agricultural Services: 1978</td>
<td>74</td>
</tr>
</tbody>
</table>
### MAPS—Con.

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
</table>

**SELECTED FARM PRODUCTION EXPENSES**

| M124 | Expenditures for Livestock and Poultry Purchased: 1978 | 75 |
| M125P | Expenditures for Livestock and Poultry Purchased by County: 1978. | 75 |
| M126 | Expenditures for Feed for Livestock and Poultry: 1978 | 76 |
| M127P | Expenditures for Feed for Livestock and Poultry by County: 1978. | 76 |
| M128P | Expenditures for Commercially Mixed Formula Feeds as a Percent of all Feed Purchased for Livestock and Poultry: 1978 | 77 |
| M129 | Expenditures for Seeds, Bulbs, Plants, and Trees: 1978 | 77 |
| M130P | Expenditures for Seeds, Bulbs, Plants, and Trees, by County: 1978. | 78 |
| M131 | Expenditures for Commercial Fertilizer: 1978 | 78 |
| M132P | Expenditures for Commercial Fertilizer by County: 1978. | 79 |
| M133 | Expenditures for Agricultural Chemicals, Excluding Fertilizer: 1978 | 79 |
| M134P | Expenditures for Agricultural Chemicals, Excluding Fertilizer, by County: 1978. | 80 |
| M135P | Average Expenditures Per Farm Reporting for Agricultural Chemicals, Excluding Fertilizer: 1978 | 80 |
| M136 | Expenditures for Energy and Petroleum Products for Farm Business: 1978 | 81 |
| M137P | Expenditures for Energy and Petroleum Products for Farm Business by County: 1978. | 81 |
| M138 | Expenditures for Gasoline for Farm Business: 1978 | 82 |
| M139P | Expenditures for Gasoline as a Percent of all Expenditures for Energy and Petroleum Products for Farm Business: 1978. | 82 |
| M140 | Expenditures for Diesel Fuel for Farm Business: 1978 | 83 |
| M141P | Expenditures for Diesel Fuel as a Percent of all Expenditures for Energy and Petroleum Products for Farm Business: 1978. | 83 |
| M142 | Expenditures for LP, Butane, or Propane Gas for Farm Business: 1978 | 84 |
| M143P | Expenditures for LP, Butane, or Propane Gas as a Percent of all Expenditures for Energy and Petroleum Products for Farm Business: 1978. | 84 |
| M144 | Expenditures for Electricity for the Farm Business: 1978 | 85 |
| M145P | Expenditures for Electricity as a Percent of all Expenditures for Energy and Petroleum Products for Farm Business: 1978. | 85 |
| M146 | Expenditures for Hired Farm Labor, Excluding Contract Labor: 1978 | 86 |
| M147P | Expenditures for Hired Farm Labor, Excluding Contract Labor, by County: 1978. | 86 |
| M148 | Expenditures for Contract Labor: 1978 | 87 |
| M149P | Expenditures for Contract Labor by County: 1978. | 87 |
| M150 | Expenditures for Machine Hire, Customwork, and Rental of Machinery: 1978 | 88 |
| M151P | Expenditures for Machine Hire, Customwork, and Rental of Machinery, by County: 1978. | 88 |

**HIRED FARM LABOR**

| M152 | Hired Farm Workers Working 150 Days or More: 1978. | 89 |
| M153 | Hired Farm Workers Working Less Than 150 Days: 1978. | 89 |
| M154P | Percent of Farms Reporting Only Workers Working Less Than 150 Days: 1978. | 90 |
| M155P | Percent of Farms Reporting Any Hired Labor: 1978 | 90 |
| M156P | Ratio of Hired Farm Workers Working 150 Days or More to Farm Operators: 1978 | 91 |

**MACHINERY AND EQUIPMENT OF PLACE**

| M157 | Estimated Market Value of All Machinery and Equipment on Place: 1978 | 92 |
| M158P | Estimated Market Value of All Machinery and Equipment on Place by County: 1978. | 93 |
| M159P | Average Estimated Market Value Per Farm Reporting of All Machinery and Equipment on Place: 1978 | 94 |
| M160 | Motor Trucks, Including Pickups: 1978 | 94 |
| M161 | Motor Trucks, Including Pickups—Increase and Decrease in Number: 1974 to 1978. | 95 |
| M162 | Wheel Tractors: 1978 | 96 |
| M163 | Wheel Tractors—Increase and Decrease in Number: 1974 to 1978. | 96 |
| M164 | Grain and Bean Combines, Self Propelled: 1978 | 96 |
| M165 | Grain and Bean Combines, Self Propelled—Increase and Decrease in Number: 1974 to 1978. | 97 |
M166 Pickup Balers: 1978 .................................................. 97

AGRICULTURAL CHEMICALS USED

M169 Acres of Which Commercial Fertilizer Was Used: 1978 ............... 99
M170P Acres of Cropland, Excluding Cropland Pasture, on Which Commercial Fertilizer Was Used as a Percent of Harvested Cropland: 1978 . 100
M171 Acres on Which Lime Was Used: 1978 .................................. 100
M172P Average Tons of Lime Applied Per Acre: 1978 ....................... 101
M173 Acres of Crops Including Hay Treated for Insect Control: 1978 . 101
M174P Acres of Crops Including Hay Treated for Insect Control as a Percent of Harvested Cropland: 1978 .................................................. 102
M175 Acres of Crops Treated for Nematodes: 1978 ......................... 102
M176 Acres of Crops and Orchards Treated for Disease Control: 1978 ... 103
M177P Acres of Crops and Orchards Treated for Disease Control as a Percent of Harvested Cropland: 1978 ........................................................................ 103
M178 Acres of Land Treated for Weed or Grass Control: 1978 ............ 104
M179 Acres Treated With Chemicals for Defoliation or for Growth Control: 1978 ........................................................................ 104

LIVESTOCK AND POULTRY

M180 Cattle and Calves—Inventory: 1978........................................ 105
M181 Cattle and Calves—Inventory—Increase and Decrease in Number: 1974 to 1978 .......................................................... 106
M182P Cattle and Calves—Inventory by County: 1978 ...................... 107
M183 Farms With 200 Cattle and Calves or More on Hand: 1978 ......... 108
M184 Cows and Heifers That Had Calved—Inventory: 1978 .............. 108
M185P Cows and Heifers That Had Calved—Inventory as a Percent of All Cattle and Calves: 1978 .................................................. 109
M186 Milk Cows—Inventory: 1978 .................................................. 109
M187 Milk Cows—Inventory—Increase and Decrease in Number: 1974 to 1978 .......................................................... 110
M188P Milk Cows—Inventory by County: 1978 ................................. 110
M189 Farms With 100 Milk Cows or More on Hand: 1978 ................ 111
M190P Milk Cows as a Percent of All Cows and Heifers That Had Calved: 1978 .......................................................... 111
M191 Beef Cows—Inventory: 1978 .................................................. 112
M192 Beef Cows—Inventory—Increase and Decrease in Number: 1974 to 1978 .......................................................... 112
M193P Heifers, Heifer Calves, Steers, Steer Calves, Bulls, and Bull Calves as a Percent of All Cattle and Calves: 1978 ................. 113
M194 Cattle and Calves Sold: 1978 .................................................. 114
M195 Cattle Fattened on Grain and Concentrates and Sold for Slaughter: 1978 .......................................................... 115
M196 Fattened Cattle Sold—Increase and Decrease in Number: 1974 to 1978 (Farms With Sales of $2,500 or More) .......................... 115
M197P Fattened Cattle Sold by County: 1978 .................................. 116
M198P Fattened Cattle Sold as a Percent of All Cattle Sold: 1978 ........ 116
M199 Farms With 500 Fattened Cattle or More Sold: 1978 ................. 117
M200 Hogs and Pigs—Inventory: 1978 ............................................. 118
M201 Hogs and Pigs—Inventory—Increase and Decrease in Number: 1974 to 1978 .......................................................... 119
M202 Farms With 200 Hogs and Pigs or More—Inventory: 1978 ......... 119
M203 Hogs and Pigs for Breeding: 1978 ............................................. 120
M204 Hogs and Pigs for Breeding—Increase and Decrease in Number: 1974 to 1978 (Farms With Sales of $2,500 or More) .......................... 120
M205 Litters of Pigs Farrowed Between December 1, 1977, and November 30, 1978 .......................................................... 121
M206 Hogs and Pigs Sold: 1978 .................................................... 122
M207P Hogs and Pigs Sold by County: 1978 .................................... 123
M208 Feeder Pigs Sold: 1978 .................................................... 123
### LIVESTOCK AND POULTRY—Con.

<table>
<thead>
<tr>
<th>MAPS—Con.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M209P</td>
<td>124</td>
</tr>
<tr>
<td>M210</td>
<td>124</td>
</tr>
<tr>
<td>M211</td>
<td>125</td>
</tr>
<tr>
<td>M212</td>
<td>125</td>
</tr>
<tr>
<td>M213</td>
<td>126</td>
</tr>
<tr>
<td>M214</td>
<td>126</td>
</tr>
<tr>
<td>M215</td>
<td>127</td>
</tr>
<tr>
<td>M216</td>
<td>128</td>
</tr>
<tr>
<td>M217</td>
<td>129</td>
</tr>
<tr>
<td>M218P</td>
<td>129</td>
</tr>
<tr>
<td>M219</td>
<td>130</td>
</tr>
<tr>
<td>M220</td>
<td>130</td>
</tr>
<tr>
<td>M221P</td>
<td>131</td>
</tr>
<tr>
<td>M222</td>
<td>131</td>
</tr>
<tr>
<td>M223</td>
<td>132</td>
</tr>
</tbody>
</table>

### FIELD CROPS HARVESTED

<table>
<thead>
<tr>
<th>MAPS—Con.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>M224</td>
<td>133</td>
</tr>
<tr>
<td>M225</td>
<td>134</td>
</tr>
<tr>
<td>M226P</td>
<td>134</td>
</tr>
<tr>
<td>M227P</td>
<td>135</td>
</tr>
<tr>
<td>M228</td>
<td>136</td>
</tr>
<tr>
<td>M229</td>
<td>136</td>
</tr>
<tr>
<td>M230</td>
<td>137</td>
</tr>
<tr>
<td>M231</td>
<td>138</td>
</tr>
<tr>
<td>M232P</td>
<td>138</td>
</tr>
<tr>
<td>M233P</td>
<td>139</td>
</tr>
<tr>
<td>M234</td>
<td>139</td>
</tr>
<tr>
<td>M236</td>
<td>140</td>
</tr>
<tr>
<td>M236</td>
<td>140</td>
</tr>
<tr>
<td>M237P</td>
<td>141</td>
</tr>
<tr>
<td>M238P</td>
<td>141</td>
</tr>
<tr>
<td>M239</td>
<td>142</td>
</tr>
<tr>
<td>M240</td>
<td>142</td>
</tr>
<tr>
<td>M241</td>
<td>143</td>
</tr>
<tr>
<td>M242</td>
<td>143</td>
</tr>
<tr>
<td>M243</td>
<td>144</td>
</tr>
<tr>
<td>M244</td>
<td>144</td>
</tr>
<tr>
<td>M245</td>
<td>145</td>
</tr>
<tr>
<td>M246</td>
<td>146</td>
</tr>
<tr>
<td>M247</td>
<td>147</td>
</tr>
<tr>
<td>M248P</td>
<td>147</td>
</tr>
<tr>
<td>M249P</td>
<td>148</td>
</tr>
<tr>
<td>M250</td>
<td>148</td>
</tr>
<tr>
<td>M251</td>
<td>149</td>
</tr>
<tr>
<td>M252</td>
<td>149</td>
</tr>
<tr>
<td>M253</td>
<td>150</td>
</tr>
</tbody>
</table>
MAPS—Continued

FIELD CROPS HARVESTED—Continued

M254P Acres of Cotton Harvested as a Percent of Harvested Cropland: 1978 ...................................................... 150
M255 Sunflower Seed Harvested: 1978 ................................................................. 151
M256 Sugar Beets Harvested for Sugar: 1978 ...................................................... 151
M257 Sugarcane Harvested for Sugar: 1978 ......................................................... 152
M258 Irish Potatoes Harvested: 1978 ................................................................. 152
M259 Irish Potatoes Harvested—Increase and Decrease in Acreage: 1974 to 1978. 153
M260 Tobacco Harvested: 1978 ........................................................................... 153
M261 Tobacco Harvested—Increase and Decrease in Acreage: 1974 to 1978. 154
M262 Land From Which Hay Was Cut: 1978 ......................................................... 155
M263P Land From Which Hay Was Cut by County: 1978 ........................................... 155
M264 Land From Which Hay Was Cut—Increase and Decrease in Acreage: 1974 to 1978. 156
M265P Land From Which Hay Was Cut as a Percent of Harvested Cropland: 1978. 157
M266 Alfalfa Hay Cut: 1978 .................................................................................. 158
M267 Alfalfa Hay Cut—Increase and Decrease in Acreage: 1974 to 1978 (Farms With Sales of $2,500 or More) ............................ 158
M268 Other Tame Dry Hay Cut: 1978 .................................................................. 159
M269 Small Grains Hay Cut: 1978 ..................................................................... 159
M270 Wild Hay Cut: 1978 ...................................................................................... 160
M271 Grass Silage and Haylage Harvested: 1978 ..................................................... 160
M272 Alfalfa Seed Harvested: 1978 ...................................................................... 161
M273 Red Clover Seed Harvested: 1978 .................................................................. 161

VEGETABLES

M274 Vegetables Harvested for Sale: 1978 ......................................................... 162
M275P Vegetables Harvested for Sale by County: 1978 ......................................... 163
M276 Tomatoes Harvested for Sale: 1978 ............................................................. 164
M277 Sweet Corn Harvested for Sale: 1978 ........................................................... 164
M278 Cucumbers and Pickles Harvested for Sale: 1978 ....................................... 165
M279 Watermelons Harvested for Sale: 1978 ........................................................ 165
M280 Snap Beans, Bush and Pole, Harvested for Sale: 1978 ............................. 166
M281 Lettuce and Romaine Harvested for Sale: 1978 .......................................... 166
M282 Asparagus Harvested for Sale: 1978 ............................................................. 167
M283 Cantaloupe and Persian Melons Harvested for Sale: 1978 ....................... 167
M284 Green Peas Harvested for Sale: 1978 ............................................................ 168

BERRIES, FRUITS, AND NUTS

M285 Berries Harvested for Sale: 1978 ................................................................. 169
M286 Strawberries Harvested for Sale: 1978 ........................................................ 169
M287 Land in Orchards: 1978 ............................................................................. 170
M288P Land in Orchards by County: 1978 ............................................................ 171
M289 Acres of Apple Trees: 1978 ........................................................................ 172
M290 Acres of Peach Trees: 1978 ....................................................................... 172
M291 Acres of Pear Trees: 1978 .......................................................................... 173
M292 Acres of Cherry Trees: 1978 ...................................................................... 173
M293 Acres of Plum and Prune Trees: 1978 ......................................................... 174
M294 Acres of Grape Vines: 1978 ....................................................................... 174
M295 Acres of Orange Trees: 1978 ...................................................................... 175
M296 Acres of Grapefruit Trees: 1978 ................................................................. 175
M297 Acres of Lemon Trees: 1978 ...................................................................... 176
M298 Acres of English or Persian Walnut Trees: 1978 ....................................... 176
M299 Acres of Almond Trees: 1978 ..................................................................... 177
M300 Acres of Pecan Trees: 1978 ........................................................................ 177
INTRODUCTION

AUTHORITY, AREA COVERED, AND HISTORY

The 1978 Census of Agriculture was taken in accordance with the provisions of title 13, United States Code (Public Law 93-86). Sections 142(a) and 191 of title 13 provide for a census of agriculture every 5 years in each State, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands. The 1978 census is the 21st nationwide census of agriculture and the third conducted primarily by mail.

SOURCES OF INFORMATION

The data used in preparing the charts and maps shown in this graphic summary were obtained from the 1978 Census of Agriculture. Detailed statistics for States and counties may be found in volume 1 of the 1978 census reports.

FARM DEFINITION

The current farm definition used for statistics was announced on August 12, 1975, and defines a farm as any place from which $1,000 or more of agricultural products were sold or normally would have been sold during the census year. The previous definition counted a farm as any place with less than 10 acres from which $250 or more of agricultural products were sold or normally would have been sold during the census year, or any place of 10 acres or more from which $50 or more of agricultural products were sold or normally would have been sold during the census year.

METHOD OF ENUMERATION

The 1978 Census of Agriculture was conducted primarily by mail for maximum economy, supplemented by a personal canvass of a statistical area segment sample for maximum completeness of coverage. The area segment sample, which consists of selected geographic areas completely canvassed by direct enumeration, provides reliable estimates for States of the number and characteristics of any farms not represented in the mail portion of the census. Estimates for such farms are an integral part of the State totals published for the 1978 census, however, these estimates are statistically reliable only for State totals and have not been allocated to counties. Therefore, the data collected from the area sample enumeration were not plotted. It should be noted that the statistical totals shown on the maps represent the U.S. total including the area sample data. Appendix A of Volume 1, State and County Data, provides a more detailed description of how the 1978 census was taken.

CENSUS COVERAGE

Although a complete and fully accurate count of farms, farmland, and farm production is the aim of each nationwide census of agriculture, the complex structure of America's agriculture makes this goal difficult to achieve. Among the complexities are the many places to be enumerated, the variety of arrangements under which farms are operated, the continuing changes in the relationship of farm operators to the land operated, the expiration of leases and the initiation or renewal of leases, the problem of obtaining a complete listing of all agricultural operators, the difficulty of locating and identifying some farms, the operator's absence from his/her farm during mail efforts and followup procedures, and the operator's opinion that some or all of his/her agricultural operations should not be included in the census.

LIMITATIONS OF DATA

Every census or survey has some errors. These can arise from such sources as incorrect or incomplete reporting, incorrect processing, and the inability to obtain a response from all farmers.

Reported data may be incorrect because of misunderstanding of questions or the use of estimates in reporting. During processing, adjustments are made to data items which appear to be inconsistent with other items. Some respondents failed to provide all of the information requested. In some cases, the respondent may indicate the presence of an item but not the amount. Imputations were made for missing data on the quantities and sales values of crops and livestock, but not for such items as direct sales, foreign ownership, and the gross value of agricultural services provided others.

For a detailed description of coverage and data limitations, see volume 5, Part 3, Coverage Evaluation, of the 1978 Census of Agriculture.

USE OF SAMPLING

Two types of sampling were used for data collection for the 1978 census. In addition to the State estimates from the direct
enumeration sample discussed previously, some data items of the census report form were collected from only a sample of farms. Data based on a sample are subject to sampling error. Detailed discussions of the census report forms, the use of sampling, and estimates of sampling error are included in appendix A, Volume 1, State and County Data.

LIMITATIONS OF MAPPED DATA

The series of increase and decrease maps included in this publication show the amount of change for various items for the United States.

Estimates from the area sample enumeration are included in the U.S. totals shown on the maps. However, the maps were plotted using county data which have not been adjusted to include estimates from the sample enumeration. Thus, the dots on these maps do not fully represent the total change that has taken place for the United States.

As most of the farms represented in the area sample estimates are small, the increase/decrease patterns for most items shown on the maps are not significantly affected. The impact of the area sample estimates can be seen in the statistical summary of mapped data. It should be noted that more complete mail lists for the 1978 census also affect comparability for some items between 1974 and 1978; although the patterns of change should not be affected significantly.
EXPLANATION OF MAPPED DATA

SUMMARY OF MAPPED DATA

Except for those showing increase or decrease, the maps in this report show only data for 1978. The 1978 total for each item mapped is shown in the table with the comparable 1974 total.

Dramatic changes in rates of farm expenditures and unit prices of products sold between the 1974 and 1978 censuses affect the comparability of some data. During the period between the two censuses, prices paid by farmers greatly increased while prices received for the various commodities changed to a lesser extent.

FARMS

All farms—All places on which agricultural operations were conducted at any time in the census year under the day-to-day control of an individual management and from which $1,000 or more of agricultural products were sold or would normally have been sold in 1978.

Farms with sales of $2,500 or more—Farms with sales of agricultural products amounting to at least $2,500, excluding abnormal farms such as prison farms, hospital farms, church farms, school farms, experimental farms, Indian reservations, and grazing associations.

VALUE OF LAND AND BUILDINGS

The value of land and buildings reported for the census was to represent market value, i.e., the price for which the land and buildings would sell at the time the census was taken. If the value of land and buildings was not reported or was incompletely reported, an estimate was supplied during office processing by using the average value per acre of land and buildings for farms of approximately the same size having similar characteristics in the same area.

The total value of land and buildings for all farms in the United States was $650 billion. The average value per farm was $262,252 and the average value per acre was $628.

For many groups of counties in the West, the maps exhibiting value of land and buildings per farm show reverse patterns as compared with maps showing value of land and buildings per acre; i.e., many counties in high value-per-farm categories appear in low value-per-acre categories. This reverse relationship between the two pattern maps happens because a large proportion of land in farms is comprised of low value-per-acre rangeland, and the extremely large average size of the farms and ranches offsets the low average-per-acre value, resulting in high average-per-farm values. This item was asked on a sample basis. Further explanation and sample reliability can be found in appendix A in Volume I, State and County Data.

SIZE OF FARMS

Although the number of farms in the United States has dropped drastically in the last 35 years, the acreage of land in farms has changed only moderately; as a result, the average size of farm is now nearly two and one-half times what it was in 1945.

The trend since 1945 until this census has been a decrease in number of farms for each of the size groups under 500 acres and an increase in the number of farms in size groups over 500 acres. However, the results of better coverage for 1978 along with growth in part-time farms in many areas show an increase in farms of less than 100 acres in size. Part of this is because of the inflationary effect on prices and the result of more places being classified as farms. The other part is because of the census techniques used in determining the farms missing from the mail list which are included at the State, regional, and national levels.

Size of farm measured only by acres operated is often not a complete measure of the size of the farm business due to large variations in the productivity of land or in the intensity of activity. For example, average value of farm products sold per acre of farmland can vary from such extremes as $1,488 per acre in Suffolk County, N.Y., to less than $11 per acre in Elke County, Nev.

STANDARD INDUSTRIAL CLASSIFICATION OF FARMS

For the 1978 census, all agricultural establishments (farms, ranches, nurseries, greenhouses, etc.) were classified by type of principal activity or activities using the Standard Industrial Classification system. A similar classification system was used
for the 1974 census but only farms with sales of $2,500 or more were classified. It should be noted that changes in commodity prices and production levels will affect comparability between censuses.

In order for a farm to be classified within a particular industry, the value of sales in 1978 from a product or group of products had to represent 50 percent or more of the total value of sales of agricultural products sold. The 1972 Standard Industrial Classification which was used for the 1974 and 1978 censuses is generally comparable for the major groupings to the type of farm classification used in 1969 and earlier censuses.

Cash Grain Farms

Cash grain farms (011)—These farms receive 50 percent of their total sales from wheat, rice, corn, sorghums, soybeans, other small grains, cowpeas, dry field and seed beans and peas, popcorn, lentils, and mustard and safflower seed.

Cash grain farms increased in number from 580,000 in 1974 to 594,000 in 1978. This increase was partly due to the significantly higher prices received for cash grain crops in relation to prices received for livestock and poultry products in 1978. Cash grain farms comprised 24.0 percent of all farms. They average 439 acres in size and $41,419 in value of products sold. The greatest concentration of cash grain farms is in the corn belt, where corn and soybeans are the principal crops sold.

Wheat farms (0111)—Wheat farms are cash grain farms which receive 50 percent or more of the total sales of farm products from wheat. They account for 12.7 percent of the total cash grain farms and average 985 acres in size and $33,555 in value of farm products sold. The largest concentration of wheat farms are in the Dakotas, Nebraska, Kansas, Oklahoma, Montana, Washington, and Oregon.

Rice farms (0112)—Rice farms are cash grain farms which receive 50 percent or more of their total value of farm products sold from rice. They are primarily located in Arkansas, Mississippi, Louisiana, California, and on the gulf coast of Texas.

Corn farms (0115)—Corn farms, which receive 50 percent or more of their total sales from corn, comprise 26.4 percent of the cash grain farms. These farms are most concentrated in the East North Central States.

Soybean farms (0116)—Soybean farms are cash grain farms which receive 50 percent or more of their total sales from soybeans. Soybean farms account for 32.8 percent of the cash grain farms and 7.9 percent of all farms. They are primarily located in the North Central States, east of the Mississippi River, and along the Mississippi River in Missouri, Arkansas, Tennessee, Mississippi, and Louisiana.

Field Crop Farms, Except Cash Grain (013)

Cotton Farms (0131)—Cotton farms are a part of the farms classified in the industry group field crops, except cash grains. About 1.3 percent of all farms were classified as cotton farms, and average 719 acres in size and $94,672 in value of farm products sold. They are located almost entirely in the South and in irrigated areas of the Southwest. About 76 percent of the bales of cotton harvested came from cotton farms.

Tobacco farms (0132)—Tobacco farms are a part of the farms classified as field crops, except cash grains. These farms comprise 5.8 percent of all farms. Tobacco farms are the smallest, both in terms of size of farm (99 acres) and value of sales from farm products sold ($18,679). Nearly all tobacco farms are in six Southern States: North Carolina, South Carolina, Virginia, Kentucky, Tennessee, and Maryland. Nearly 79 percent of all tobacco harvested on farms comes from tobacco farms.

Sugar crop farms (0133)—Sugar crop farms are those which receive 50 percent or more of the total sales of farm products from the sale of sugar beets or sugarcane. These farms are located in the irrigated areas of the Western States (sugar beets) and in Florida, Louisiana, and Hawaii (sugarcane).

Irish potato farms (0134)—These farms receive 50 percent or more of their total sales from the sale of Irish potatoes. Most of them are located in Maine, Idaho, and North Dakota.

Vegetable and Melon Farms (016)

Farms were classified in this group if 50 percent of their total farm sales was from the sale of vegetables or melons. Vegetable and melon farms are widely scattered, with significant concentrations in California, Michigan, Wisconsin, New Jersey, New York, Florida, and Texas. The production of vegetables and melons is concentrated on a relatively small number of large and highly specialized farms.

Fruit and Tree Nut Farms (017)

Fruit and tree nut farms receive 50 percent or more of their total value of farm sales from berry crops, grapes, tree nuts, citrus fruits, deciduous tree fruits (apples, peaches, pears, etc.), and other fruits and nuts (pineapples, olives, dates, etc.). These farms are highly specialized in that they accounted for 94.0 percent of the value of all fruits, nuts, and berries sold and 85.5 percent of all land in orchards on all farms.

Horticultural Specialty Farms (018)

For a farm to be classified as a horticultural specialty farm, it must receive 50 percent or more of its total sales from the sale of ornamental plants, nursery products, and food crops grown under cover. This type of farm tends to be located close to large urban areas.

General Farms, Primarily Crop (019)

Any farm deriving 50 percent or more of its total value of sales of farm products from crops, but less than 50 percent from products of any other single crop group, is classified as a general farm, primarily crop.
Livestock Farms, Except Dairy, Poultry, and Animal Specialty (021)

These farms derive 50 percent or more of their total value of farm products from the sale of beef cattle, hogs, sheep, and goats.

Beef cattle feedlots (0211)—Beef cattle feedlots are farms which receive 50 percent or more of their total sales of farm products from the sale of beef cattle fattened for a period of at least 30 days. This group includes beef cattle which were fed on a contract or fee basis.

Beef cattle farms, except feedlots (0212)—Beef cattle farms, except feedlots, which derive 50 percent or more of their total value of farm products sold from the sale of nonfattened beef cattle. Feedlots are excluded from this group.

Hog farms (0213)—Hog farms derive 50 percent or more of their total value of farm products sold from the sale of hogs and pigs. These farms are most concentrated in the corn belt States.

Sheep and goat farms (0214)—Sheep and goat farms receive 50 percent or more of their total value of farm products sold from the sale of sheep, goats, goat’s milk, wool, and mohair. These farms are primarily located in Texas, California, and other Western States.

Dairy Farms (024)

Dairy farms receive 50 percent or more of their total value of farm products sold from the sale of milk and cream. Dairy farms average 294 acres in size and $74,492 in value of farm products sold. Dairy farms account for 91.8 percent of the value of all dairy products sold. Dairy farms are concentrated in the North Central and Middle Atlantic States. Wisconsin, Minnesota, New York, Pennsylvania, Ohio, and Michigan account for 62 percent of all dairy farms. California does not rank among the top States in number of dairy farms even though it ranks second in value of dairy products sold. This is a result of the large size dairy operations in California.

Poultry and Egg Farms (025)

Poultry farms are those which receive 50 percent or more of their value of sales of farm products from chickens, chicken eggs, broilers, turkeys, turkey eggs, hatched chicks, and other poultry and their products. Poultry farms account for 97.7 percent of the value of sales of all poultry and poultry products, 98.9 percent of broilers sold, and 98.0 percent of turkeys sold. Although poultry farms are found throughout the country, their greatest concentration is in the broiler producing areas of Georgia, Alabama, Mississippi, Arkansas, Delaware, and Maryland.

Animal Specialty Farms (027)

Animal specialty farms are those which derive 50 percent or more of their total value of farm sales from the sale of fur-bearing animals, rabbits, horses, mules, donkeys, ponies, honey, fish, worms, and other animal specialties.

General Farms, Primarily Livestock (029)

These are farms deriving 50 percent or more of their value of farm products sold from the sale of livestock and livestock products, including animal specialties, but less than 50 percent from any single livestock or livestock product group.

VALUE OF SALES CLASSIFICATION OF FARMS

The value of sales represents the gross market value before taxes and production expenditures of all agricultural products sold or removed from the place in 1978 regardless of who received or shared in the payment. It includes receipts by the operator as well as the value of any shares received by partners, landlords, contractors, and others associated with the place.

This report shows number of farms for the following value of sales classifications:

- $200,000 or more,
- $100,000 to $199,999,
- $40,000 to $99,999,
- $20,000 to $39,999,
- $10,000 to $19,999,
- $5,000 to $9,999,
- $2,500 to $4,999,
- $1,000 to $2,499.

Places having less than the minimum $1,000 sales in the census year were counted as farms if they could normally be expected to produce agricultural products in sufficient quantity to meet the requirements of the definition.

TENURE AND CHARACTERISTICS OF FARM OPERATORS

Tenure

Tenure classifications used are:

- Full owners—Operators who operate only the land they own.
- Part owners—Operators who operate land they own and also land they rent from others.
- Tenants—Operators who operate only the land they rent from others (or work on shares) for others.

Foreign Ownership of Agricultural Land

An inquiry measuring the importance of foreign ownership of agricultural land was asked for the first time in 1978. All farm operators were asked to report the number of acres owned by individuals who are not U.S. citizens; or owned by foreign-held corporations, unincorporated associations, or foreign governments. Corporations with 50 percent or more of the stock held by foreign investors were considered foreign owned. Any land owned or operated by such corporations was included as land held under foreign ownership.

In some cases, operators using land owned by others did not know the beneficiary owner of the land or, if the owner was known, they did not know the citizenship of the landlord.
Therefore, a "don't know" category was included on the report form. Summary table 37, in Volume 1, State and County Data, provides operators response to the foreign ownership inquiry. Counts are provided for those responding "yes," "no," "don't know," and "no response." Only those farms responding "yes" are represented on the map.

**Occupation of Farm Operator**

The 1978 census is the second in which information was collected on the operator's principal occupation. Each farm operator to whom the inquiry applied was asked to classify his or her principal occupation as “Farming” or “Other” according to which occupation accounted for the majority (50 percent or more) of the operator’s work time in 1978. For partnerships, the work time of all of the members of the partnership together was considered in determining principal occupation.

**TYPE OF FARM ORGANIZATION**

The 1978 census is the third in which farm operators were asked to indicate the type of organization under which their farm was operated. The four classifications used for type of organization are:

1. Individual or family operation (sole proprietorship), excluding partnership and corporation.
2. Partnership operation, including family partnerships.
3. Corporation, including family corporations.
4. Other, including farms operated as cooperatives, estates and trusts, and abnormal farms such as institutional farms, Indian reservations, grazing associations, and experimental farms.

**LAND IN FARMS AND LAND USES**

Land in farms—Each farm operator determined acres of land in farm by adding any acreage owned to any acreage rented from others then subtracting any acreage rented to others. Land in farms consists primarily of agricultural land, i.e., land used for crops and pasture or grazing. It also includes areas of woodland and wasteland and some cropland not actually under cultivation nor used for pasture or grazing. In general, all grazing lands were to be included as land in farms except lands used for grazing livestock under permit or special license on a per head or animal unit basis.

**Irrigated land**—This consists of land in farms watered for agricultural purposes by artificial means.

**Drained land**—This consists of land in farms benefited to some extent by artificial drainage facilities including ditches, underground drains, grading or leveling for drainage, dikes, and pumping to remove water. These data were collected by the Soil Conservation Service of the U.S. Department of Agriculture.

**MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD**

Farm operators were asked to report market value of all agricultural products sold from the place in 1978. All sales of agricultural products during the year were to be reported regardless of when the crop was harvested or when livestock or their products were raised or produced.

Data for the sales of farm products represent total sales for the entire farm regardless of who shared the receipts. For tenant-operated farms, the landlord’s share of the agricultural products was considered as sold provided the products were moved off the tenant farm. Contract producers were to report estimates of the market value of the commodities produced rather than the amount received from the contractor.

**DIRECT SALES OF AGRICULTURAL PRODUCTS**

Operators were asked to report the value of agricultural products produced and sold directly to individuals for human consumption. This value includes the sales of any crops, such as vegetables and fruit, cattle, hogs, sheep, chickens, turkeys, milk, cream, eggs, etc. Sales from roadside stands, farmers’ markets, pick your own activities, etc., were to be included.

**CUSTOMWORK AND OTHER AGRICULTURAL SERVICES**

Includes any customwork such as plowing, planting, spraying, harvesting, preparing products for market, etc., for which the farm operator was paid. Instructions were to report gross amounts received before taxes and expenses.

**FARM PRODUCTION EXPENSES**

Farm production expenses include expenses paid by anyone for the production on the farm of crops, poultry, livestock, and other agricultural products. Tenant farmers were instructed to report expenditures by landlords for agricultural operations on the farm as well as their own expenditures. Farm operators who rent part of their land to others were to report only those expenses applicable to the land they actually operated. Contract producers who produced crops, poultry, or livestock for others under contract were to report the estimated cost of all items furnished by the contractor. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in Volume 1, State and County Data.
HIRED FARM LABOR

The number of hired farm workers includes all persons hired to do farm or ranch labor for cash payments. This labor may include everything from regular farm work to the keeping of records necessary to the agricultural operation. Members of the farm operators' families were included if they received cash payments. Workers working for contractors under contract to the farm operator, salaried corporation officers, unpaid family members, and persons employed by a labor contractor were excluded. Operators of hired machines were excluded if their pay was included in the cost of the customwork.

Considerable duplication exists in the count of hired workers reported working 149 days or less. Many are seasonal workers in vegetable and fruit producing areas. In the census statistics, the same workers may be counted several times as they move from farm to farm. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in Volume 1, State and County Data.

MACHINERY AND EQUIPMENT ON PLACE

Farm operators were asked to estimate the market value of all machinery and equipment usually kept on the farm and used for the farm business. The reported value represents an estimate of how much the machinery and equipment would sell for in its present condition, not the replacement cost or the depreciated value.

For the inventory of selected items of farm equipment, the operator was to report only the equipment owned, leased, or rented or temporarily borrowed from others that was on any part of the farm on December 31, 1978, and that was used for the farm business in 1977 or 1978. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in Volume 1, State and County Data.

AGRICULTURAL CHEMICALS USED

Fertilizer—Data on acreage fertilized were collected for harvested cropland, cropland used for pasture, and other pasture land. When the same crop was fertilized two or more times, the acreage was to be reported only once. If two different crops or two different plantings of the same crop were fertilized in 1978 from the same acreage, the acreage of each crop or planting fertilized was to be reported only once.

Lime—Acreage limed and tonnage of lime and liming materials applied to the soil in 1978 were to be reported. Gypsum, land-plaster, and lime used for spraying or sanitation purposes were not to be reported.

Other agricultural chemicals—The cost of insecticides, herbicides, fungicides, and other pesticides and chemicals used on the farm in 1978 was to include the cost of the materials only, not the cost of application.

When reporting number of acres on which chemicals were used, the farm operator was instructed to report only once the acres treated more than one time with the same chemical. However, the cost of all the materials applied was to be reported.

When multipurpose chemicals were used, the acreage treated for each purpose was to be reported.

These items were asked on a sample basis. Further explanation can be found in appendix A in Volume 1, State and County Data.

ENERGY EXPENSES

The cost of energy and petroleum products was asked for by the major types used for the farm business. This was the first census where electricity expenses were obtained as a separate item. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in Volume 1, State and County Data.

LIVESTOCK AND POULTRY

Inventory—Farm operators were instructed to report livestock and poultry inventories as of December 31, 1978. All animals kept on the place were to be reported regardless of ownership, including livestock or poultry being custom fed or fed on contract for others.

Sales—Livestock and poultry sold include all animals sold or removed from the place during the year regardless of ownership. Those sold for a landlord or given to others in trade or in payment for goods and services as well as those custom fed for others were to be included. Animals bought and sold within a 30-day period were to be excluded.

The value of livestock and poultry sold represents the gross sales value before deducting any marketing or production costs. For livestock or poultry fed under contract for others, the farm operator was asked to estimate the market value at the time they were taken from the place.

CROPS

In 1978 sales of crops including nursery products and hay amounted to $48.6 billion which accounted for 45 percent of the value of all farm products sold in 1978.

Crops harvested—Nearly all of the acres reported for individual crops in 1978 represent area harvested, except for a small part of the acreage of corn, sorghum, peanuts, soybeans, and cowpeas counted as harvested but hogged or grazed when the crop was mature or almost mature. Since more than one crop may have been harvested from the same land during the same crop year, the sum of acres of all crops harvested exceeds the acreage of land from which crops were harvested.

Acreages of corn, soybeans, and hay increased significantly between 1974 and 1978. This increased acreage is reflected in decreases in other crops, especially wheat and other small grains.

Vegetables harvested for sale—The individual acres of each kind of vegetable harvested were reported as well as the acreage of land from which vegetables were harvested.

Berries, fruits, and nuts—In 1978, data for individual berries, fruits, and nuts were collected. The total land in bearing and
nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees also was reported.

HOW THE MAPS WERE MADE

Computer graphics techniques and technology were used in producing the maps in this report. The resultant mapping system was developed to meet an increasing demand for the rapid and economic production of maps of publication quality.

Both the multicolor choropleth maps and the dot maps are products of the automated statistical mapping system developed at the Bureau of the Census. This mapping system generates a computer tape of commands directing a plotting device to draw maps on 310mm film at publication size. The plotting device is an extremely fast Computer Output on Microfilm (COM) unit capable of plotting a map in a few minutes. The production of maps on film at publication size reduces much effort and costs.

The text on the maps were entirely computer generated. The interactive map design programs, acting as a computerized cartographer's template, was used to move the text into positions for each map. The text positions were transmitted on a computer tape also containing the commands used to plot the maps. The COM unit used these text commands to plot the text onto the map. The text fonts, sizes, and placement were all under program control. This was a significant advancement over the previous manual methods for placing text on the maps.

Choropleth Maps

The choropleth maps showing county classifications were prepared by a computer mapping program which automatically creates color separation map images on film. The frames of map imagery correspond to the counties of the United States. Each frame shows one of the class intervals designated for the map, except for the frame for the State boundary outline, and the text frame. Thus a map showing data in five classes will have seven frames of map imagery. This procedure is directly analogous to manual procedures employed by cartographers when preparing color choropleth maps. The maps produced by this system have the quality of hand-crafted choropleth maps at the low cost and rapid production time typical of automated cartography.

The choropleth map subsystem required two input computer files. One file (provided by the Bureau's Agriculture Division) contained the agricultural data by county. This file contains a State and county identification code for each of the data items. The second input file was the Bureau's DIMECO file containing the latitude-longitude and Alber's Equal-area (in inches) coordinates describing the boundaries for all counties in the United States. This boundary file was used to produce a third file containing a set of contiguous horizontal lines corresponding to lines which the COM unit must plot to cover completely a county's area on the final map. These lines are known as "scan" lines and make up this intermediate file called the SCAN file. The sets of scan lines for the counties were also associated with their particular State and county identification codes.

The boundary-coordinate file and the SCAN file were processed in conjunction with the agricultural data file. By matching the State and county identification codes in the files, the class intervals for data were associated correctly with the appropriate set of scan lines for a county. Then all the counties for each class interval are transferred to a plot tape which was used to direct the movements of the COM's electron beam in the Census Bureau's COM unit. The COM unit then outputs the class separations on 310mm film at publication size.

The class separations were screened, and composited into the final films. The printer was given the three final publication negatives for each map corresponding to the red, yellow, and black ink which are used in the printing of the maps.

Dot Maps

The dot maps in this report were prepared directly on film by a COM unit from the output of the Bureau's new dot mapping program. The program controlled the placement of dots within the counties in the United States as determined by a 15-level land-use filter. The computer program is based upon a totally new approach to dot placement. The new program took advantage of the scan-line technique developed by the Bureau for color choropleth maps.

The Census dot mapping program utilized two features of a previous dot mapping program developed for the Bureau by the Cartographic Laboratory at the University of Wisconsin in Madison: A land-use filter and the distribution of dots by a weighting factor. The land-use filter is a file of approximately one-half million cells covering the entire United States. To this file, the Bureau added land use for Alaska and Hawaii. The land-use file was prepared from the land-use map which appeared in the 1970 National Atlas on pages 158 and 159. Each of the land-use categories shown in the land-use map was converted into numeric values by digitizing. The placement of dots within specific land-use categories in a county was controlled by probabilities based on a weighting algorithm using the data as input.

The Bureau's new dot mapping program converted the land-use filter into a scan-line land-use file by county. The program for dot placement rapidly computed the number of dots to be placed in a county, selected the land use, and then placed the dots. The algorithms ensure that all the dots fall within the county. The output of the program was a plot tape which directed the COM unit in plotting dot maps on 310mm film at publication size. These dot maps required minimal cartographic touch up.
### 1978 Summary of Mapped Data With 1974 Comparative Data

#### Map Number

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>1978</th>
<th>Not on mill list</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>Farms with sales of $2,500 or more</td>
<td>Number.</td>
<td>2,478,642</td>
<td>2,314,013</td>
</tr>
<tr>
<td>M2P</td>
<td>Kilowatts</td>
<td>Percent.</td>
<td>17.1</td>
<td>(x)</td>
</tr>
<tr>
<td>M3</td>
<td>Farms with sales of $2,500 or more</td>
<td>Percent.</td>
<td>1,864,687</td>
<td>69,749</td>
</tr>
<tr>
<td>M4P</td>
<td>Farms with sales of $2,500 or more</td>
<td>Percent.</td>
<td>75.2</td>
<td>31.6</td>
</tr>
<tr>
<td>M5</td>
<td>Farms with sales of $2,500 or more</td>
<td>Number.</td>
<td>611,653</td>
<td>151,118</td>
</tr>
<tr>
<td>M6P</td>
<td>Farms with sales of $2,500 or more</td>
<td>Percent.</td>
<td>24.7</td>
<td>68.4</td>
</tr>
<tr>
<td>M7</td>
<td>Agricultural operations excluded by current farm definition but not by 1969 farm definition</td>
<td>Number.</td>
<td>468,973</td>
<td>250,846</td>
</tr>
<tr>
<td>M9P</td>
<td>Agricultural operations excluded by current farm definition but not by 1969 farm definition</td>
<td>Percent.</td>
<td>18.9</td>
<td>113.6</td>
</tr>
</tbody>
</table>

#### Value of land and buildings

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>1978</th>
<th>Not on mill list</th>
</tr>
</thead>
<tbody>
<tr>
<td>M10P</td>
<td>Average value of land and buildings per farm</td>
<td>Dollars.</td>
<td>262,252</td>
<td>84,177</td>
</tr>
<tr>
<td>M11P</td>
<td>Average value of land and buildings per acre of land in farms.</td>
<td>Dollars.</td>
<td>628</td>
<td>1,246</td>
</tr>
</tbody>
</table>

#### Size of Farms

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>1978</th>
<th>Not on mill list</th>
</tr>
</thead>
<tbody>
<tr>
<td>M12P</td>
<td>Average size of farm</td>
<td>Acres.</td>
<td>415</td>
<td>68</td>
</tr>
<tr>
<td>M13</td>
<td>Farms with less than 50 acres</td>
<td>Number.</td>
<td>690,329</td>
<td>147,542</td>
</tr>
<tr>
<td>M14</td>
<td>Farms with 50 to 179 acres</td>
<td>Number.</td>
<td>814,889</td>
<td>55,642</td>
</tr>
<tr>
<td>M15</td>
<td>Farms with 180 to 299 acres</td>
<td>Number.</td>
<td>241,928</td>
<td>8,075</td>
</tr>
<tr>
<td>M16</td>
<td>Farms with 300 to 499 acres</td>
<td>Number.</td>
<td>354,427</td>
<td>6,650</td>
</tr>
<tr>
<td>M17</td>
<td>Farms with 500 to 999 acres</td>
<td>Number.</td>
<td>215,112</td>
<td>1,903</td>
</tr>
<tr>
<td>M18</td>
<td>Farms with 1,000 acres or more</td>
<td>Number.</td>
<td>162,164</td>
<td>1,065</td>
</tr>
<tr>
<td>M19</td>
<td>Farms with 2,000 acres or more</td>
<td>Number.</td>
<td>63,635</td>
<td>334</td>
</tr>
</tbody>
</table>

#### Farms by Standard Industrial Classification

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>1978</th>
<th>Not on mill list</th>
</tr>
</thead>
<tbody>
<tr>
<td>M20</td>
<td>Cash grain farms—Industry Group 011</td>
<td>Number.</td>
<td>593,558</td>
<td>19,760</td>
</tr>
<tr>
<td>M21</td>
<td>Wheat farms—Industry Group 011</td>
<td>Number.</td>
<td>75,563</td>
<td>1,290</td>
</tr>
<tr>
<td>M22</td>
<td>Rice farms—Industry Group 012</td>
<td>Number.</td>
<td>6,568</td>
<td>77</td>
</tr>
<tr>
<td>M23</td>
<td>Corn farms—Industry Group 015</td>
<td>Number.</td>
<td>156,387</td>
<td>7,592</td>
</tr>
<tr>
<td>M24</td>
<td>Soybean farms—Industry Group 016</td>
<td>Number.</td>
<td>194,908</td>
<td>7,852</td>
</tr>
<tr>
<td>M25</td>
<td>Field crop farms, except cash grains—Industry Group 013</td>
<td>Number.</td>
<td>312,542</td>
<td>27,180</td>
</tr>
<tr>
<td>M26</td>
<td>Cotton farms—Industry Group 017</td>
<td>Number.</td>
<td>32,115</td>
<td>570</td>
</tr>
<tr>
<td>M27</td>
<td>Tobacco farms—Industry Group 018</td>
<td>Number.</td>
<td>147,606</td>
<td>12,720</td>
</tr>
<tr>
<td>M28</td>
<td>Sugar crop farms—Industry Group 033</td>
<td>Number.</td>
<td>4,289</td>
<td>17</td>
</tr>
<tr>
<td>M29</td>
<td>Irish potato farms—Industry Group 034</td>
<td>Number.</td>
<td>6,893</td>
<td>857</td>
</tr>
<tr>
<td>M30</td>
<td>Vegetable and melon farms—Industry Group 016</td>
<td>Number.</td>
<td>35,382</td>
<td>4,518</td>
</tr>
<tr>
<td>M31</td>
<td>Fruit and tree nut farms—Industry Group 017</td>
<td>Number.</td>
<td>90,027</td>
<td>9,837</td>
</tr>
<tr>
<td>M32</td>
<td>Horticultural specialty farms—Industry Group 018</td>
<td>Number.</td>
<td>32,810</td>
<td>3,903</td>
</tr>
<tr>
<td>M33</td>
<td>General farms, primarily crop—Industry Group 019</td>
<td>Number.</td>
<td>71,848</td>
<td>9,307</td>
</tr>
<tr>
<td>M34</td>
<td>Livestock farms, except dairy, poultry, and animal specialty—Industry Group 021</td>
<td>Number.</td>
<td>1,037,320</td>
<td>117,580</td>
</tr>
<tr>
<td>M35</td>
<td>Beef cattle feedlots—Industry Group 021</td>
<td>Number.</td>
<td>86,904</td>
<td>7,884</td>
</tr>
<tr>
<td>M36</td>
<td>Beef cattle farms, except feedlots—Industry Group 021</td>
<td>Number.</td>
<td>662,327</td>
<td>69,311</td>
</tr>
<tr>
<td>M37</td>
<td>Hog farms—Industry Group 023</td>
<td>Number.</td>
<td>193,252</td>
<td>35,979</td>
</tr>
<tr>
<td>M38</td>
<td>Sheep and goat farms—Industry Group 024</td>
<td>Number.</td>
<td>22,285</td>
<td>2,163</td>
</tr>
<tr>
<td>M39</td>
<td>Dairy farms—Industry Group 024</td>
<td>Number.</td>
<td>168,666</td>
<td>3,100</td>
</tr>
<tr>
<td>M40</td>
<td>Poultry and egg farms—Industry Group 025</td>
<td>Number.</td>
<td>51,246</td>
<td>6,894</td>
</tr>
<tr>
<td>M41</td>
<td>Broiler, fryer, and roaster chicken farms—Industry Group 025</td>
<td>Number.</td>
<td>21,981</td>
<td>1,096</td>
</tr>
<tr>
<td>M42</td>
<td>Chicken egg farms—Industry Group 025</td>
<td>Number.</td>
<td>24,120</td>
<td>5,473</td>
</tr>
<tr>
<td>M43</td>
<td>Animal specialty farms—Industry Group 027</td>
<td>Number.</td>
<td>49,676</td>
<td>874</td>
</tr>
<tr>
<td>M44</td>
<td>General farms, primarily livestock—Industry Group 029</td>
<td>Number.</td>
<td>35,667</td>
<td>5,095</td>
</tr>
</tbody>
</table>

#### Farms by Value of Sales

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>1978</th>
<th>Not on mill list</th>
</tr>
</thead>
<tbody>
<tr>
<td>M45</td>
<td>Farms with sales of $200,000 or more</td>
<td>Number.</td>
<td>80,756</td>
<td>138</td>
</tr>
<tr>
<td>M46</td>
<td>Farms with sales of $100,000 to $199,999</td>
<td>Number.</td>
<td>141,926</td>
<td>876</td>
</tr>
<tr>
<td>M47</td>
<td>Farms with sales of $40,000 to $99,999</td>
<td>Number.</td>
<td>363,383</td>
<td>3,290</td>
</tr>
<tr>
<td>M48</td>
<td>Farms with sales of $20,000 to $39,999</td>
<td>Number.</td>
<td>306,112</td>
<td>6,937</td>
</tr>
<tr>
<td>M49</td>
<td>Farms with sales of $10,000 to $19,999</td>
<td>Number.</td>
<td>309,594</td>
<td>10,379</td>
</tr>
<tr>
<td>M50</td>
<td>Farms with sales of $5,000 to $9,999</td>
<td>Number.</td>
<td>331,042</td>
<td>16,954</td>
</tr>
<tr>
<td>M51</td>
<td>Farms with sales of $7,500 to $9,999</td>
<td>Number.</td>
<td>331,874</td>
<td>31,715</td>
</tr>
<tr>
<td>M52</td>
<td>Farms with sales of $1,000 to $2,499</td>
<td>Number.</td>
<td>611,653</td>
<td>151,118</td>
</tr>
<tr>
<td>M53P</td>
<td>Farms with sales of $20,000 or more as a percent of all farms</td>
<td>Percent.</td>
<td>35.0</td>
<td>5.1</td>
</tr>
</tbody>
</table>

#### Tenure and Characteristics of Operators

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>1978</th>
<th>Not on mill list</th>
</tr>
</thead>
<tbody>
<tr>
<td>M54</td>
<td>Farms operated by full owners</td>
<td>Number.</td>
<td>1,451,446</td>
<td>153,544</td>
</tr>
<tr>
<td>M55P</td>
<td>Percent of farms operated by full owners</td>
<td>Percent.</td>
<td>58.6</td>
<td>65.5</td>
</tr>
<tr>
<td>M56</td>
<td>Farms operated by part owners</td>
<td>Number.</td>
<td>713,018</td>
<td>32,456</td>
</tr>
<tr>
<td>M57P</td>
<td>Percent of farms operated by part owners</td>
<td>Percent.</td>
<td>28.6</td>
<td>14.7</td>
</tr>
<tr>
<td>M58</td>
<td>Farms operated by tenants</td>
<td>Number.</td>
<td>313,648</td>
<td>34,887</td>
</tr>
<tr>
<td>M59P</td>
<td>Percent of farms operated by tenants</td>
<td>Percent.</td>
<td>12.6</td>
<td>6.9</td>
</tr>
<tr>
<td>M60P</td>
<td>Rented or leased land in farms by county</td>
<td>Number.</td>
<td>406,248,294</td>
<td>4,844,723</td>
</tr>
<tr>
<td>M61P</td>
<td>Rented or leased land in farms as a percent of land in farms</td>
<td>Percent.</td>
<td>37.3</td>
<td>37.4</td>
</tr>
<tr>
<td>M62</td>
<td>Farms operated by black and other races</td>
<td>Number.</td>
<td>79,016</td>
<td>21,916</td>
</tr>
<tr>
<td>M63P</td>
<td>Average age of farm operators</td>
<td>Years.</td>
<td>50.1</td>
<td>47.6</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>M64P</td>
<td>Percent of farm operators 65 years old and over</td>
<td>Percent. 16.4, Number. 1,364,835, 161,549, 1,011,476</td>
</tr>
<tr>
<td>M65</td>
<td>Farm operators reporting any off-farm work</td>
<td>Percent. 44.4, Number. 128,170, 15,371, (WA)</td>
</tr>
<tr>
<td>M66P</td>
<td>Percent of farm operators working off their farms 100 days or more</td>
<td>Percent. 5.2, Number. 4,983, 632, (WA)</td>
</tr>
<tr>
<td>M67P</td>
<td>Percent of farm operators who are female</td>
<td>Percent. 16.2, Number. 1,151,857, 163,387, 426,690</td>
</tr>
<tr>
<td>M68</td>
<td>Percent of farm operators who are female</td>
<td>Percent. 24.6, Number. 5,270, 1,039, 29,656</td>
</tr>
<tr>
<td>M69P</td>
<td>Farms reporting land held under foreign ownership</td>
<td>Percent. 11.7, 0.6, 10.7</td>
</tr>
<tr>
<td>M71</td>
<td>Farm operators reporting principal occupation as farming</td>
<td>Percent. 53.5, 26.0, 74.3</td>
</tr>
<tr>
<td>M72P</td>
<td>Percent of farm operators reporting principal occupation as farming</td>
<td>Percent. 46.5, 74.0, 25.7</td>
</tr>
<tr>
<td>M73</td>
<td>Farm operators reporting principal occupation other than farming</td>
<td>Percent. 49.5, 24.9, 19.4</td>
</tr>
<tr>
<td>M74P</td>
<td>Percent of farm operators reporting principal occupation other than farming</td>
<td>Percent. 51.6, 23.6, 29.8</td>
</tr>
<tr>
<td>M75</td>
<td>Farms operated by individuals or families</td>
<td>Percent. 45.4, 0.7, 44.0</td>
</tr>
<tr>
<td>M76P</td>
<td>Percent of land in farms operated by individuals or families</td>
<td>Percent. 66.7, 82.7, 74.1</td>
</tr>
<tr>
<td>M77</td>
<td>Farms operated by partnerships</td>
<td>Percent. 21.5, 8.2, 13.1</td>
</tr>
<tr>
<td>M78P</td>
<td>Percent of land in farms operated by partnerships</td>
<td>Percent. 51.2, 1,039, 29,656</td>
</tr>
<tr>
<td>M79</td>
<td>Farms operated by corporations</td>
<td>Percent. 11.7, 0.6, 10.7</td>
</tr>
<tr>
<td>M80P</td>
<td>Percent of land in farms operated by corporations</td>
<td>Percent. 54.5, 51.5, (WA)</td>
</tr>
<tr>
<td>M81</td>
<td>Land in farms</td>
<td>Acres. 1,029,694,535, 14,917,301, 1,017,030,357</td>
</tr>
<tr>
<td>M82P</td>
<td>Land in farms as a percent of land area</td>
<td>Percent. 49.5, 24.9, 19.4</td>
</tr>
<tr>
<td>M83</td>
<td>Cropland</td>
<td>Acres. 461,340,542, 7,466,409, 440,039,087</td>
</tr>
<tr>
<td>M85P</td>
<td>Cropland—increase and decrease in acreage</td>
<td>Acres. *21,301,456, (X)</td>
</tr>
<tr>
<td>M86P</td>
<td>Cropland—percent of land area</td>
<td>Percent. 20.4, 0.3, 19.4</td>
</tr>
<tr>
<td>M87P</td>
<td>Cropland as a percent of land in farms</td>
<td>Percent. 44.8, 50.1, 43.3</td>
</tr>
<tr>
<td>M88</td>
<td>Harvested cropland</td>
<td>Acres. 320,666,727, 3,520,287, 303,001,943</td>
</tr>
<tr>
<td>M89</td>
<td>Harvested cropland—increase and decrease in acreage</td>
<td>Acres. *17,664,279, (X)</td>
</tr>
<tr>
<td>M90P</td>
<td>Harvested cropland as a percent of land in farms</td>
<td>Percent. 31.1, 23.6, 29.8</td>
</tr>
<tr>
<td>M91P</td>
<td>Pastureland as a percent of land in farms</td>
<td>Percent. 54.5, 51.5, (WA)</td>
</tr>
<tr>
<td>M92</td>
<td>Irrigated land in farms</td>
<td>Acres. 50,697,940, 488,034, 41,243,023</td>
</tr>
<tr>
<td>M93</td>
<td>Irrigated land—increase and decrease in acreage</td>
<td>Acres. *49,594,917, (X)</td>
</tr>
<tr>
<td>M94P</td>
<td>Irrigated land as a percent of land in farms</td>
<td>Percent. 4.9, 3.3, 4.1</td>
</tr>
<tr>
<td>M95P</td>
<td>Irrigated harvested cropland as a percent of harvested cropland</td>
<td>Percent. 13.7, 9.9, 12.1</td>
</tr>
<tr>
<td>M96</td>
<td>Irrigated pastureland and rangeland</td>
<td>Acres. 5,728,909, 112,861, 3,979,234</td>
</tr>
<tr>
<td>M97P</td>
<td>Irrigated pastureland and rangeland—percent of land area by county</td>
<td>Percent. 10,090,239, 50,519, 6,677,087</td>
</tr>
<tr>
<td>M98P</td>
<td>Irrigated sorghum for all purposes by county</td>
<td>Percent. 2,168,039, 8,647, 2,649,862</td>
</tr>
<tr>
<td>M99P</td>
<td>Irrigated cotton by county</td>
<td>Percent. 4,090,681, 14,355, 3,690,566</td>
</tr>
<tr>
<td>M100P</td>
<td>Irrigated wheat by county</td>
<td>Percent. 3,012,181, 9,857, 3,235,662</td>
</tr>
<tr>
<td>M101P</td>
<td>Irrigated alfalfa hay by county</td>
<td>Percent. 5,066,725, 114,462, 5,103,963</td>
</tr>
<tr>
<td>M102</td>
<td>Artificially drained agricultural land</td>
<td>Acres. 105,278,488, (WA)</td>
</tr>
<tr>
<td>M103P</td>
<td>Artificially drained agricultural land—percent of land area</td>
<td>Percent. 4.6, (WA)</td>
</tr>
<tr>
<td>M104</td>
<td>Value of agricultural products sold</td>
<td>Dollars. 108,113,519,000, 1,040,061,000, 81,526,126,000</td>
</tr>
<tr>
<td>M105P</td>
<td>Value of agricultural products sold by county</td>
<td>Dollars. 43,618, 4,709, 35,231</td>
</tr>
<tr>
<td>M106P</td>
<td>Average value per farm of agricultural products sold</td>
<td>Dollars. 105, 70, 80</td>
</tr>
<tr>
<td>M107P</td>
<td>Average value of agricultural products sold per acre of land in farms</td>
<td>Dollars. 14.8, 9.9, 20.9</td>
</tr>
<tr>
<td>M108P</td>
<td>Value of agricultural products sold as a percent of value of land and buildings and market value of machinery and equipment</td>
<td>Dollars. 48,617,400,000, 414,200,000, 41,790,365,000</td>
</tr>
<tr>
<td>M109</td>
<td>Value of crops sold</td>
<td>Dollars. 45.0, 39.8, 51.3</td>
</tr>
<tr>
<td>M110P</td>
<td>Value of crops sold as a percent of agricultural products sold</td>
<td>Dollars. 152, 117, 138</td>
</tr>
<tr>
<td>M111P</td>
<td>Average value of crops sold per acre of harvested cropland</td>
<td>Dollars. 24.9, 17.6, 30.6</td>
</tr>
<tr>
<td>M112P</td>
<td>Value of grains sold as a percent of agricultural products sold</td>
<td>Dollars. 2.9, 0.8, 2.8</td>
</tr>
<tr>
<td>M113P</td>
<td>Value of cotton and cottonseed sold as a percent of agricultural products sold</td>
<td>Dollars. 2.2, 7.5, 2.1</td>
</tr>
<tr>
<td>M114P</td>
<td>Value of tobacco sold as a percent of agricultural products sold</td>
<td>Dollars. 7.9, 11.5, 7.6</td>
</tr>
<tr>
<td>M115</td>
<td>Value of livestock, poultry, and their products sold</td>
<td>Dollars. 59,496,118,000, 625,861,000, 39,503,850,000</td>
</tr>
<tr>
<td>M116P</td>
<td>Value of poultry and poultry products sold as a percent of agricultural products sold</td>
<td>Dollars. 10.6, 8.5, 10.7</td>
</tr>
<tr>
<td>M117P</td>
<td>Value of dairy products sold as a percent of agricultural products sold</td>
<td>Dollars. 10.5, 8.5, 10.7</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
## 1978 Summary of Mapped Data With 1974 Comparative Data—Con.

<table>
<thead>
<tr>
<th>Map number</th>
<th>Farms with sales of $2,500 or more</th>
<th>1978</th>
<th>1974</th>
</tr>
</thead>
<tbody>
<tr>
<td>M188P</td>
<td>Market value of agricultural products sold—Con.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M19P</td>
<td>Value of cattle and calves sold as a percent of agricultural products sold.</td>
<td>27.6</td>
<td>26.7</td>
</tr>
<tr>
<td>M19P</td>
<td>Value of hogs and pigs sold as a percent of agricultural products sold.</td>
<td>7.6</td>
<td>9.0</td>
</tr>
<tr>
<td>M20P</td>
<td>Value of sheep, lambs, and wool products sold as a percent of agricultural products sold.</td>
<td>0.6</td>
<td>0.5</td>
</tr>
<tr>
<td>M211P</td>
<td>Direct sales of agricultural products</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M22P</td>
<td>Value of agricultural products sold directly to consumers for human consumption.</td>
<td>392,322,000</td>
<td>11,495,000</td>
</tr>
<tr>
<td>M23</td>
<td>Farm-related income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M24</td>
<td>Income from machine work, custom work, and other agricultural services.</td>
<td>653,513,000</td>
<td>15,847,000</td>
</tr>
<tr>
<td>M25</td>
<td>Selected farm production expenses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M26</td>
<td>Expenditures for livestock and poultry purchased.</td>
<td>16,232,159,000</td>
<td>192,915,000</td>
</tr>
<tr>
<td>M27</td>
<td>Expenditures for feed for livestock and poultry.</td>
<td>15,035,645,000</td>
<td>249,649,000</td>
</tr>
<tr>
<td>M28</td>
<td>Expenditures for feed for livestock and poultry by county.</td>
<td>15,035,645,000</td>
<td>249,649,000</td>
</tr>
<tr>
<td>M29</td>
<td>Expenditures for feed for livestock and poultry by county.</td>
<td>55.9</td>
<td>68.4</td>
</tr>
<tr>
<td>M30</td>
<td>Expenditures for energy and petroleum products for farm business by county.</td>
<td>2,638,166,000</td>
<td>31,048,000</td>
</tr>
<tr>
<td>M31</td>
<td>Expenditures for energy and petroleum products for farm business by county.</td>
<td>6,388,998,000</td>
<td>58,416,000</td>
</tr>
<tr>
<td>M32</td>
<td>Expenditures for commercial fertilizer by county.</td>
<td>6,388,998,000</td>
<td>58,416,000</td>
</tr>
<tr>
<td>M33</td>
<td>Expenditures for commercial fertilizer by county.</td>
<td>2,914,958,000</td>
<td>25,455,000</td>
</tr>
<tr>
<td>M34</td>
<td>Expenditures for agricultural chemicals, excluding fertilizer.</td>
<td>2,914,958,000</td>
<td>25,455,000</td>
</tr>
<tr>
<td>M35</td>
<td>Average expenditures per farm for reporting for agricultural chemicals, excluding fertilizer.</td>
<td>1,928</td>
<td>348</td>
</tr>
<tr>
<td>M36</td>
<td>Expenditures for energy and petroleum products for farm business.</td>
<td>6,123,760,000</td>
<td>98,056,000</td>
</tr>
<tr>
<td>M37</td>
<td>Expenditures for energy and petroleum products for farm business by county.</td>
<td>6,123,760,000</td>
<td>98,056,000</td>
</tr>
<tr>
<td>M38</td>
<td>Expenditures for energy and petroleum products for farm business.</td>
<td>2,100,977,000</td>
<td>46,159,000</td>
</tr>
<tr>
<td>M39</td>
<td>Expenditures for energy and petroleum products for farm business by county.</td>
<td>34.3</td>
<td>47.1</td>
</tr>
<tr>
<td>M40</td>
<td>Expenditures for diesel fuel for farm business.</td>
<td>1,483,802,000</td>
<td>14,410,000</td>
</tr>
<tr>
<td>M41</td>
<td>Expenditures for diesel fuel for all purposes.</td>
<td>24.2</td>
<td>14.7</td>
</tr>
<tr>
<td>M42</td>
<td>Expenditures for LP, butane, or propane gas for farm business.</td>
<td>478,369,000</td>
<td>5,923,000</td>
</tr>
<tr>
<td>M43</td>
<td>Expenditures for LP, butane, or propane gas for farm business by county.</td>
<td>1,329,005,000</td>
<td>19,714,000</td>
</tr>
<tr>
<td>M44</td>
<td>Expenditures for electricity for farm business.</td>
<td>7.8</td>
<td>6.0</td>
</tr>
<tr>
<td>M45</td>
<td>Expenditures for electricity for farm business by county.</td>
<td>34.3</td>
<td>47.1</td>
</tr>
<tr>
<td>M46</td>
<td>Expenditures for hired farm labor, excluding contract labor.</td>
<td>5,849,036,000</td>
<td>34,608,000</td>
</tr>
<tr>
<td>M47</td>
<td>Expenditures for hired farm labor, excluding contract labor.</td>
<td>6,849,036,000</td>
<td>34,608,000</td>
</tr>
<tr>
<td>M48</td>
<td>Expenditures for contract labor.</td>
<td>908,084,000</td>
<td>9,126,000</td>
</tr>
<tr>
<td>M49</td>
<td>Expenditures for contract labor by county.</td>
<td>908,084,000</td>
<td>9,126,000</td>
</tr>
<tr>
<td>M50</td>
<td>Expenditures for hired workers working 150 days or more.</td>
<td>1,776,142,000</td>
<td>25,267,000</td>
</tr>
<tr>
<td>M51</td>
<td>Expenditures for machine hire, custom work, and rental of machinery.</td>
<td>1,776,142,000</td>
<td>25,267,000</td>
</tr>
<tr>
<td>M52</td>
<td>Hired farm workers working 150 days or more.</td>
<td>957,918</td>
<td>4,224</td>
</tr>
<tr>
<td>M53</td>
<td>Hired farm workers working less than 150 days.</td>
<td>4,657,061</td>
<td>112,101</td>
</tr>
<tr>
<td>M54</td>
<td>Percent of farms reporting only hired labor.</td>
<td>26.8</td>
<td>13.1</td>
</tr>
<tr>
<td>M55</td>
<td>Percent of farms reporting any hired labor.</td>
<td>39.7</td>
<td>14.4</td>
</tr>
<tr>
<td>M56</td>
<td>Ratio of hired farm workers working 150 days or more to farm operators.</td>
<td>0.39</td>
<td>0.02</td>
</tr>
<tr>
<td>M57</td>
<td>Machinery and equipment on place.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M58</td>
<td>Estimated market value of machinery and equipment on place.</td>
<td>79,482,285,000</td>
<td>1,881,596,000</td>
</tr>
<tr>
<td>M59</td>
<td>Estimated market value of machinery and equipment on place by county.</td>
<td>79,482,285,000</td>
<td>1,881,596,000</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
### 1978 Summary of Mapped Data With 1974 Comparative Data – Con.

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>Total 1978</th>
<th>Non-Owner list 1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>M159P</td>
<td>Average estimated market value per farm reporting of all machinery and equipment on place.</td>
<td>Dollars</td>
<td>32,172</td>
<td>8,577</td>
</tr>
<tr>
<td>M160</td>
<td>Mower-trucks, including pickups.</td>
<td>Number</td>
<td>3,555,002</td>
<td>197,173</td>
</tr>
<tr>
<td>M161</td>
<td>Mower-trucks, excluding pickups.</td>
<td>Number</td>
<td>*516,540 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M162</td>
<td>Wheel tractors.</td>
<td>Number</td>
<td>4,839,323</td>
<td>213,095</td>
</tr>
<tr>
<td>M163</td>
<td>Wheel tractors, increase and decrease in number.</td>
<td>Number</td>
<td>*527,501 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M164</td>
<td>Grain and bean combines, self-propelled.</td>
<td>Number</td>
<td>664,111</td>
<td>9,416</td>
</tr>
<tr>
<td>M165</td>
<td>Grain and bean combines, self-propelled—increase and decrease in number.</td>
<td>Number</td>
<td>*140,016 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M166</td>
<td>Pickup balers.</td>
<td>Number</td>
<td>768,884</td>
<td>24,886</td>
</tr>
<tr>
<td>M167</td>
<td>Cornpickers, corn heads, and picker-shellers.</td>
<td>Number</td>
<td>694,251</td>
<td>15,203</td>
</tr>
<tr>
<td>M168</td>
<td>Cottonpickers, excluding cotton strippers.</td>
<td>Number</td>
<td>41,435</td>
<td>390</td>
</tr>
</tbody>
</table>

**AGRICULTURAL CHEMICALS USED**

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>Total 1978</th>
<th>Non-Owner list 1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>M169</td>
<td>Acres on which commercial fertilizer was used.</td>
<td>Acres</td>
<td>228,618,261</td>
<td>2,270,741</td>
</tr>
<tr>
<td>M170P</td>
<td>Acres of cropland, excluding cropland pasture, on which commercial fertilizer was used as a percent of harvested cropland.</td>
<td>Acres</td>
<td>105,715,399</td>
<td>1,850,290</td>
</tr>
<tr>
<td>M171</td>
<td>Acres on which lime was used.</td>
<td>Acres</td>
<td>16,853,085</td>
<td>359,493</td>
</tr>
<tr>
<td>M172P</td>
<td>Average tons of lime applied per acre.</td>
<td>Acres</td>
<td>774,058</td>
<td>86,290</td>
</tr>
<tr>
<td>M173</td>
<td>Acres of crops including hay treated for insect control.</td>
<td>Acres</td>
<td>23,9</td>
<td>19.5</td>
</tr>
<tr>
<td>M174P</td>
<td>Acres of crops including hay treated for insect control as a percent of harvested cropland.</td>
<td>Acres</td>
<td>16,853,085</td>
<td>359,493</td>
</tr>
<tr>
<td>M175</td>
<td>Acres of crops and grass treated for weed control.</td>
<td>Acres</td>
<td>8,877,956</td>
<td>73,435</td>
</tr>
<tr>
<td>M176</td>
<td>Acres of crops and grass treated for disease control.</td>
<td>Acres</td>
<td>11,569,863</td>
<td>155,003</td>
</tr>
<tr>
<td>M177P</td>
<td>Acres of crops and grass treated for disease control as a percent of harvested cropland.</td>
<td>Acres</td>
<td>16,853,085</td>
<td>359,493</td>
</tr>
<tr>
<td>M178</td>
<td>Acres of cropland treated for weed or grass control.</td>
<td>Acres</td>
<td>165,916,644</td>
<td>1,299,530</td>
</tr>
</tbody>
</table>

**LIVESTOCK AND POULTRY**

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>Total 1978</th>
<th>Non-Owner list 1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>M180</td>
<td>Cattle and calves—inventory.</td>
<td>Number</td>
<td>105,715,399</td>
<td>1,850,290</td>
</tr>
<tr>
<td>M181</td>
<td>Cattle and calves—inventory, increase and decrease in number.</td>
<td>Number</td>
<td>105,715,399</td>
<td>1,850,290</td>
</tr>
<tr>
<td>M182P</td>
<td>Cattle and calves—inventory by county.</td>
<td>Number</td>
<td>105,715,399</td>
<td>1,850,290</td>
</tr>
<tr>
<td>M183</td>
<td>Farms with 200 cattle and calves or more on hand.</td>
<td>Number</td>
<td>89,470</td>
<td>495</td>
</tr>
<tr>
<td>M184</td>
<td>Cows and heifers that had calves—inventory as a percent of all cattle and calves.</td>
<td></td>
<td>45,540,672</td>
<td>993,706</td>
</tr>
<tr>
<td>M185P</td>
<td>Cows and heifers that had calves—inventory as a percent of all cattle and calves.</td>
<td></td>
<td>45,540,672</td>
<td>993,706</td>
</tr>
<tr>
<td>M186</td>
<td>Milk cows—inventory.</td>
<td>Number</td>
<td>10,354,279</td>
<td>133,267</td>
</tr>
<tr>
<td>M187</td>
<td>Milk cows—inventory, increase and decrease in number.</td>
<td>Number</td>
<td>10,354,279</td>
<td>133,267</td>
</tr>
<tr>
<td>M188P</td>
<td>Milk cows—inventory by county.</td>
<td>Number</td>
<td>10,354,279</td>
<td>133,267</td>
</tr>
<tr>
<td>M189</td>
<td>Farms with 100 milk cows or more.</td>
<td>Number</td>
<td>165,916,644</td>
<td>1,299,530</td>
</tr>
<tr>
<td>M190P</td>
<td>Milk cows as a percent of all cows and heifers that had calves.</td>
<td>Number</td>
<td>22,7</td>
<td>13.4</td>
</tr>
<tr>
<td>M191</td>
<td>Beef cows—inventory.</td>
<td>Number</td>
<td>35,186,692</td>
<td>860,819</td>
</tr>
<tr>
<td>M192</td>
<td>Beef cows—inventory, increase and decrease in number.</td>
<td>Number</td>
<td>*6,071,205 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M193P</td>
<td>Heifers, heifer calves, steers, steer calves, bull calves, and calf calves and calves.</td>
<td></td>
<td>56.9</td>
<td>46.3</td>
</tr>
<tr>
<td>M194</td>
<td>Cattle and calves sold.</td>
<td>Number</td>
<td>79,074,391</td>
<td>1,054,040</td>
</tr>
<tr>
<td>M195</td>
<td>Cattle fattened on grain and concentrates and sold</td>
<td>Number</td>
<td>29,801,099</td>
<td>79,056</td>
</tr>
<tr>
<td>M196</td>
<td>Cattle fattened on grain and concentrates and sold by county.</td>
<td>Number</td>
<td>29,801,099</td>
<td>79,056</td>
</tr>
<tr>
<td>M197P</td>
<td>Cattle fattened by county.</td>
<td>Number</td>
<td>29,801,099</td>
<td>79,056</td>
</tr>
<tr>
<td>M198P</td>
<td>Cattle fattened by county—increase and decrease in number.</td>
<td>Number</td>
<td>29,801,099</td>
<td>79,056</td>
</tr>
<tr>
<td>M199</td>
<td>Farms with 500 fattened cattle or more sold.</td>
<td>Number</td>
<td>5,302</td>
<td>0</td>
</tr>
<tr>
<td>M200</td>
<td>Hogs and pigs—inventory.</td>
<td>Number</td>
<td>8,877,956</td>
<td>73,435</td>
</tr>
<tr>
<td>M201</td>
<td>Hogs and pigs—inventory, increase and decrease in number.</td>
<td>Number</td>
<td>*13,306,387 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M202</td>
<td>Farms with 200 hogs and pigs or more—inventory.</td>
<td>Number</td>
<td>82,652</td>
<td>383</td>
</tr>
<tr>
<td>M203</td>
<td>Farms with 200 hogs and pigs or more—inventory, increase and decrease in number.</td>
<td></td>
<td>8,772,422</td>
<td>256,291</td>
</tr>
<tr>
<td>M204</td>
<td>Hogs and pigs for breeding—increased and decreased in number.</td>
<td>Number</td>
<td>*9,290,537 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M205</td>
<td>Hogs and pigs farrowed between December 1, 1977, and November 30, 1978.</td>
<td>Number</td>
<td>11,221,252</td>
<td>221,776</td>
</tr>
<tr>
<td>M206</td>
<td>Hogs and pigs sold.</td>
<td>Number</td>
<td>92,140,548</td>
<td>1,383,405</td>
</tr>
<tr>
<td>M207P</td>
<td>Hogs and pigs sold by county.</td>
<td>Number</td>
<td>92,140,548</td>
<td>1,383,405</td>
</tr>
<tr>
<td>M208</td>
<td>Feeder pigs sold.</td>
<td>Number</td>
<td>82,140,548</td>
<td>1,383,405</td>
</tr>
<tr>
<td>M209P</td>
<td>Feeder pigs sold other than feeder pigs.</td>
<td>Number</td>
<td>20,021,188</td>
<td>530,000</td>
</tr>
<tr>
<td>M210</td>
<td>Hogs and pigs sold other than feeder pigs.</td>
<td>Number</td>
<td>72,119,360</td>
<td>835,315</td>
</tr>
<tr>
<td>M211</td>
<td>Sheep and lambs—inventory.</td>
<td>Number</td>
<td>12,371,786</td>
<td>128,310</td>
</tr>
<tr>
<td>M212</td>
<td>Sheep and lambs—inventory, increase and decrease in number.</td>
<td>Number</td>
<td>*3,007,818 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M213</td>
<td>Ewes 1 year old or older.</td>
<td>Number</td>
<td>7,903,782</td>
<td>95,561</td>
</tr>
<tr>
<td>M214</td>
<td>Sheep and lambs sold.</td>
<td>Number</td>
<td>10,343,679</td>
<td>103,237</td>
</tr>
<tr>
<td>M215</td>
<td>Horses and ponies—inventory.</td>
<td>Number</td>
<td>2,208,138</td>
<td>2,208,138</td>
</tr>
<tr>
<td>M216</td>
<td>Horses and ponies—inventory, increase and decrease in number.</td>
<td>Number</td>
<td>359,064,123</td>
<td>4,706,696</td>
</tr>
<tr>
<td>M217</td>
<td>Chickens 3 months old or older—inventory.</td>
<td>Number</td>
<td>*23,323,878 (x)</td>
<td>(x)</td>
</tr>
<tr>
<td>M218P</td>
<td>Chickens 3 months old or older—inventory by county.</td>
<td>Number</td>
<td>359,064,123</td>
<td>4,706,696</td>
</tr>
<tr>
<td>M219</td>
<td>Broilers, fryers, and other meat type chickens sold.</td>
<td>Number</td>
<td>3,135,618,936</td>
<td>73,464,446</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
1978 Summary of Mapped Data With 1974 Comparative Data—Con.

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>1978</th>
<th>1974</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Farms with sales of $7,500 or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M20</td>
<td>LIVESTOCK AND POULTRY—Con.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M221P</td>
<td>Broilers, fryers, and other meat type chickens sold—increase and decrease in number...</td>
<td>Number.</td>
<td>*617,105,904 (x)</td>
</tr>
<tr>
<td>M222</td>
<td>Poultry flesh and eggs sold...</td>
<td>Number.</td>
<td>3,135,618,936, 73,464,446</td>
</tr>
<tr>
<td>M223</td>
<td>Turkeys sold—increase and decrease in number...</td>
<td>Number.</td>
<td>141,302,966, 26,790</td>
</tr>
<tr>
<td>M224</td>
<td>FIELD CROPS HARVESTED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M225</td>
<td>Corn harvested for all purposes...</td>
<td>Acres...</td>
<td>79,114,740, 764,373</td>
</tr>
<tr>
<td>M226P</td>
<td>Corn harvested for all purposes—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*6,764,297 (x)</td>
</tr>
<tr>
<td>M227P</td>
<td>Acres of corn harvested as a percent of harvested cropland...</td>
<td>Percent.</td>
<td>24.7</td>
</tr>
<tr>
<td>M229</td>
<td>Corn harvested for grain...</td>
<td>Acres...</td>
<td>70,734,094, 609,614</td>
</tr>
<tr>
<td>M229</td>
<td>Corn cut for silage or green chop...</td>
<td>Acres...</td>
<td>8,343,904, 72,087</td>
</tr>
<tr>
<td>M230</td>
<td>Sorghums harvested for all purposes, except syrup...</td>
<td>Acres...</td>
<td>14,063,788, 69,366</td>
</tr>
<tr>
<td>M231</td>
<td>Sorghums harvested for all purposes—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*7,277,244 (x)</td>
</tr>
<tr>
<td>M232P</td>
<td>Sorghums harvested for all purposes, except syrup, by county...</td>
<td>Acres...</td>
<td>14,063,788, 69,366</td>
</tr>
<tr>
<td>M233P</td>
<td>Acres of sorghums harvested for all purposes, except syrup, as a percent of harvested cropland...</td>
<td>Percent.</td>
<td>4.4</td>
</tr>
<tr>
<td>M234</td>
<td>Wheat harvested for grain...</td>
<td>Acres...</td>
<td>12,496,799, 61,970</td>
</tr>
<tr>
<td>M235</td>
<td>Wheat harvested for grain—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>54,457,876, 302,708</td>
</tr>
<tr>
<td>M236</td>
<td>Wheat harvested for grain by county...</td>
<td>Acres...</td>
<td>54,457,876, 302,708</td>
</tr>
<tr>
<td>M236P</td>
<td>Acres of wheat harvested for grain as a percent of harvested cropland...</td>
<td>Percent.</td>
<td>17.0</td>
</tr>
<tr>
<td>M239</td>
<td>Oats harvested for grain...</td>
<td>Acres...</td>
<td>10,240,993, 119,090</td>
</tr>
<tr>
<td>M240</td>
<td>Oats harvested for grain—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*1,195,641 (x)</td>
</tr>
<tr>
<td>M241</td>
<td>Barley harvested for grain...</td>
<td>Acres...</td>
<td>8,975,538, 31,726</td>
</tr>
<tr>
<td>M242</td>
<td>Barley harvested for grain—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*1,632,225 (x)</td>
</tr>
<tr>
<td>M243</td>
<td>Rye harvested for grain...</td>
<td>Acres...</td>
<td>438,403, 5,729</td>
</tr>
<tr>
<td>M244</td>
<td>Flaxseed harvested...</td>
<td>Acres...</td>
<td>430,416, 4,880</td>
</tr>
<tr>
<td>M245</td>
<td>Rice harvested...</td>
<td>Acres...</td>
<td>3,003,244, 1,672</td>
</tr>
<tr>
<td>M246</td>
<td>Soybeans harvested for beans...</td>
<td>Acres...</td>
<td>61,832,897, 493,048</td>
</tr>
<tr>
<td>M247</td>
<td>Soybeans harvested for beans—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*13,714,049 (x)</td>
</tr>
<tr>
<td>M248P</td>
<td>Soybeans harvested for beans by county...</td>
<td>Acres...</td>
<td>61,832,897, 493,048</td>
</tr>
<tr>
<td>M249P</td>
<td>Acres of soybeans harvested for beans as a percent of harvested cropland...</td>
<td>Percent.</td>
<td>19.3</td>
</tr>
<tr>
<td>M250</td>
<td>Peanuts harvested for nuts...</td>
<td>Acres...</td>
<td>1,434,363, 8,878</td>
</tr>
<tr>
<td>M251</td>
<td>Dry field and seed beans harvested for beans...</td>
<td>Acres...</td>
<td>1,317,141, 17,991</td>
</tr>
<tr>
<td>M252</td>
<td>Cotton harvested...</td>
<td>Acres...</td>
<td>12,737,497, 43,725</td>
</tr>
<tr>
<td>M253</td>
<td>Cotton harvested—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*513,997 (x)</td>
</tr>
<tr>
<td>M254P</td>
<td>Acres of cotton harvested as a percent of harvested cropland...</td>
<td>Percent.</td>
<td>4.0</td>
</tr>
<tr>
<td>M255</td>
<td>Sunflower seed harvested...</td>
<td>Acres...</td>
<td>2,481,667, 3,649</td>
</tr>
<tr>
<td>M256</td>
<td>Sugar beets harvested for sugar...</td>
<td>Acres...</td>
<td>1,248,823, 5,352</td>
</tr>
<tr>
<td>M257</td>
<td>Sugar beets harvested for sugar—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>765,071, 1,672</td>
</tr>
<tr>
<td>M258</td>
<td>Irish potatoes harvested...</td>
<td>Acres...</td>
<td>1,350,150, 9,264</td>
</tr>
<tr>
<td>M259</td>
<td>Irish potatoes harvested—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*50,029 (x)</td>
</tr>
<tr>
<td>M260</td>
<td>Tobacco harvested...</td>
<td>Acres...</td>
<td>1,004,697, 41,473</td>
</tr>
<tr>
<td>M261</td>
<td>Tobacco harvested—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>*127,584 (x)</td>
</tr>
<tr>
<td>M262</td>
<td>Tobacco harvested...</td>
<td>Acres...</td>
<td>61,757,610, 1,516,219</td>
</tr>
<tr>
<td>M263P</td>
<td>Tobacco harvested by county...</td>
<td>Acres...</td>
<td>61,757,610, 1,516,219</td>
</tr>
<tr>
<td>M264</td>
<td>Tobacco harvested...</td>
<td>Acres...</td>
<td>*5,521,229 (x)</td>
</tr>
<tr>
<td>M265P</td>
<td>Tobacco harvested by county...</td>
<td>Acres...</td>
<td>*5,521,229 (x)</td>
</tr>
<tr>
<td>M266</td>
<td>Alfalfa hay harvested...</td>
<td>Acres...</td>
<td>26,385,363, 425,270</td>
</tr>
<tr>
<td>M267</td>
<td>Alfalfa hay cut—increase and decrease in acreage...</td>
<td>Acres...</td>
<td>2,049,114 (x)</td>
</tr>
<tr>
<td>M268</td>
<td>Other tame dry hay cut...</td>
<td>Acres...</td>
<td>19,475,849, 822,373</td>
</tr>
<tr>
<td>M269</td>
<td>Small grain hay cut...</td>
<td>Acres...</td>
<td>2,908,076, 52,407</td>
</tr>
<tr>
<td>M270</td>
<td>Wild hay cut...</td>
<td>Acres...</td>
<td>8,448,080, 183,978</td>
</tr>
<tr>
<td>M271</td>
<td>Grass silage and haylage harvested...</td>
<td>Acres...</td>
<td>3,464,961, 8,791</td>
</tr>
<tr>
<td>M272</td>
<td>Alfalfa seed harvested...</td>
<td>Acres...</td>
<td>389,699, 660</td>
</tr>
<tr>
<td>M273</td>
<td>Red clover seed harvested...</td>
<td>Acres...</td>
<td>131,815, 924</td>
</tr>
<tr>
<td></td>
<td>VEGETABLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M274</td>
<td>Vegetables harvested for sale...</td>
<td>Acres...</td>
<td>3,569,304, 35,162</td>
</tr>
<tr>
<td>M275P</td>
<td>Vegetables harvested for sale by county...</td>
<td>Acres...</td>
<td>3,569,304, 35,162</td>
</tr>
<tr>
<td>M276</td>
<td>Tomatoes harvested for sale...</td>
<td>Acres...</td>
<td>425,317, 3,357</td>
</tr>
<tr>
<td>M277</td>
<td>Sweet corn harvested for sale...</td>
<td>Acres...</td>
<td>674,128, 6,450</td>
</tr>
<tr>
<td>M278</td>
<td>Cucumbers and pickles harvested for sale...</td>
<td>Acres...</td>
<td>125,892, 3,211</td>
</tr>
<tr>
<td>M279</td>
<td>Watermelons harvested for sale...</td>
<td>Acres...</td>
<td>181,436, 4,830</td>
</tr>
<tr>
<td>M280</td>
<td>Snap beans, bush and pole, harvested for sale...</td>
<td>Acres...</td>
<td>341,374, 1,596</td>
</tr>
<tr>
<td>M281</td>
<td>Lettuce and romaine harvested for sale...</td>
<td>Acres...</td>
<td>253,020, 66</td>
</tr>
<tr>
<td>M282</td>
<td>Asparagus harvested for sale...</td>
<td>Acres...</td>
<td>86,675, 519</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
<table>
<thead>
<tr>
<th>Map Number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>Total</th>
<th>Not on mail list</th>
<th>1974†</th>
</tr>
</thead>
<tbody>
<tr>
<td>M283</td>
<td>Cantaloupe and Persian melons harvested for sale</td>
<td>Acres...</td>
<td>110,572</td>
<td>940</td>
<td>70,621</td>
</tr>
<tr>
<td>M284</td>
<td>Green peas harvested for sale</td>
<td>Acres...</td>
<td>363,952</td>
<td>1,997</td>
<td>398,817</td>
</tr>
</tbody>
</table>

**VEGETABLES—Con.**

<table>
<thead>
<tr>
<th>Map Number</th>
<th>Title</th>
<th>Unit of measure</th>
<th>Total</th>
<th>Not on mail list</th>
<th>1974†</th>
</tr>
</thead>
<tbody>
<tr>
<td>M285</td>
<td>Berries harvested for sale</td>
<td>Acres...</td>
<td>131,023</td>
<td>4,078</td>
<td>121,127</td>
</tr>
<tr>
<td>M286</td>
<td>Strawberries harvested for sale</td>
<td>Acres...</td>
<td>45,547</td>
<td>1,086</td>
<td>36,141</td>
</tr>
<tr>
<td>M287</td>
<td>Land in orchards</td>
<td>Acres...</td>
<td>4,544,136</td>
<td>82,511</td>
<td>4,190,340</td>
</tr>
<tr>
<td>M288P</td>
<td>Land in orchards by county</td>
<td>Acres...</td>
<td>4,544,136</td>
<td>82,511</td>
<td>4,190,340</td>
</tr>
<tr>
<td>M289</td>
<td>Acres of apple trees</td>
<td>Acres...</td>
<td>577,967</td>
<td>22,157</td>
<td>555,810</td>
</tr>
<tr>
<td>M290</td>
<td>Acres of peach trees</td>
<td>Acres...</td>
<td>262,587</td>
<td>5,453</td>
<td>257,134</td>
</tr>
<tr>
<td>M291</td>
<td>Acres of pear trees</td>
<td>Acres...</td>
<td>95,425</td>
<td>2,746</td>
<td>92,679</td>
</tr>
<tr>
<td>M292</td>
<td>Acres of cherry trees</td>
<td>Acres...</td>
<td>129,563</td>
<td>2,489</td>
<td>127,074</td>
</tr>
<tr>
<td>M293</td>
<td>Acres of plum and prune trees</td>
<td>Acres...</td>
<td>141,489</td>
<td>5,582</td>
<td>135,907</td>
</tr>
<tr>
<td>M294</td>
<td>Acres of grape vines</td>
<td>Acres...</td>
<td>762,536</td>
<td>8,691</td>
<td>753,845</td>
</tr>
<tr>
<td>M295</td>
<td>Acres of orange trees</td>
<td>Acres...</td>
<td>914,250</td>
<td>4,321</td>
<td>910,929</td>
</tr>
<tr>
<td>M296</td>
<td>Acres of grapefruit trees</td>
<td>Acres...</td>
<td>245,465</td>
<td>737</td>
<td>244,728</td>
</tr>
<tr>
<td>M297</td>
<td>Acres of lemon trees</td>
<td>Acres...</td>
<td>81,709</td>
<td>110</td>
<td>81,599</td>
</tr>
<tr>
<td>M298</td>
<td>Acres of English or Persian walnut trees</td>
<td>Acres...</td>
<td>209,658</td>
<td>6,888</td>
<td>166,770</td>
</tr>
<tr>
<td>M299</td>
<td>Acres of almond trees</td>
<td>Acres...</td>
<td>347,520</td>
<td>4,799</td>
<td>272,721</td>
</tr>
<tr>
<td>M300</td>
<td>Acres of pecan trees</td>
<td>Acres...</td>
<td>456,615</td>
<td>11,880</td>
<td>328,606</td>
</tr>
</tbody>
</table>

* Net increase for U.S. total.
** Net decrease for U.S. total.

1. Not fully comparable because of direct enumeration sample in 1978 totals; see text.
2. Data are based on a sample of farms; see text.
3. Data are for farms with sales of $2,500 or more.
4. Data are only for farms with sales of $2,500 or more.
5. Data apply only to individuals or family operations and partnership operations.
Mapped Data
Farms With Sales of $2,500 or More: 1978
(Farms With Sales of $2,500 or More—County Unit Basis)

United States Total
1,864,687

1 Dot = 250 Farms

Farms with Sales of $2,500 or More as a Percent of All Farms: 1978
(Farms With Sales of $2,500 or More—County Unit Basis)

United States Average
75.2 percent

Percent
Less than 30
30 - 49
50 - 69
70 - 89
90 or more

United States

U.S. Department of Commerce
Bureau of the Census
78-M3

U.S. Department of Commerce
Bureau of the Census
78-MAP
Farms With Sales of Less Than $2,500: 1978
(All Farms—County Unit Basis)

United States
Total
611,853

1 Dot = 250 Farms

Farms With Sales of Less Than $2,500 as a Percent of All Farms: 1978
(All Farms—County Unit Basis)

Percent
Less than 10
10 – 29
30 – 49
50 – 69
70 or more

United States
Average
24.7 percent

U.S. Department of Commerce
Bureau of the Census

78-M5

78-M1P
Agricultural Operations Excluded by Current Farm Definition but Not by 1959 Farm Definition: 1978
(All Farms—County Unit Basis)

1 Dot - 50 Excluded Agricultural Operations

Agricultural Operations Excluded by Current Farm Definition as a Percent of All Farms: 1978
(All Farms—County Unit Basis)

United States
Total
468,873

U.S. Department of Commerce
Bureau of the Census

United States Average 18.9 percent
Average Size of Farm: 1978
(All Farms—County Unit Basis)

United States
Average
415 acres

Average Size of Farm With Sales of $2,500 or More: 1978
(Farms With Sales of $2,500 or More—County Unit Basis)

United States
Average
497 acres

Acres
Less than 160
160 - 259
260 - 499
500 - 999
1,000 - 1,999
2,000 or more

U.S. Department of Commerce
Bureau of the Census
Farms With Less Than 50 Acres: 1978
(All Farms--County Unit Basis)

United States
Total
690,329

Farms With 50 to 179 Acres: 1978
(All Farms--County Unit Basis)

United States
Total
814,689

U.S. Department of Commerce
Bureau of the Census

78-M13

78-M14
Farms With 180 to 259 Acres: 1978
(All Farms—County Unit Basis)

United States Total
241,929

Farms With 260 to 499 Acres: 1978
(All Farms—County Unit Basis)

United States Total
354,427
Farms With 500 to 999 Acres: 1978
(All Farms—County Unit Basis)

United States
Total
215,112

United States
Total
166,156

Farms With 1,000 Acres or More: 1978
(All Farms—County Unit Basis)
Farms With 2,000 Acres or More: 1978
(All Farms—County Unit Basis)
Corn Farms (Industry 0115): 1978
(All Farms—County Unit Basis)

Soybean Farms (Industry 0116): 1978
(All Farms—County Unit Basis)
Horticultural Specialty Farms (Industry Group 018): 1978
(All Farms—County Unit Basis)

1 Dot - 10 Farms

United States
Total: 32,810

General Farms, Primarily Crop (Industry Group 019): 1978
(All Farms—County Unit Basis)

1 Dot - 50 Farms

United States
Total: 71,848
(All Farms—County Unit Basis)
Dairy Farms (Industry Group 024): 1978
(All Farms—County Unit Basis)

United States
Total
168,666

1 Dot - 100 Farms

Poultry and Egg Farms (Industry Group 025): 1978
(All Farms—County Unit Basis)

United States
Total
51,248

1 Dot - 50 Farms
Farms With Sales of $2,500 to $4,999: 1978
(All Farms—County Unit Basis)

United States Total 331,674

1 Dot - 100 Farms

Farms With Sales of $1,000 to $2,499: 1978
(All Farms—County Unit Basis)

United States Total 611,653

1 Dot - 100 Farms
Farms With Sales of $20,000 or More as a Percent of All Farms: 1978
(All Farms--County Unit Basis)

United States Average 36.0 percent

Percent:
- Less than 20
- 20 - 29
- 30 - 39
- 40 - 49
- 50 or more

U.S. Department of Commerce
Bureau of the Census
Farms Operated by Full Owners: 1978
(All Farms--County Unit Basis)

1 Dot = 200 Farms

United States
Total
1,401,446

Percent of Farms Operated by Full Owners: 1978
(All Farms--County Unit Basis)

Percent
Less than 30
30 - 49
50 - 69
70 - 89
90 or more

United States
Average
58.6 percent

U.S. Department of Commerce
Bureau of the Census
Farms Operated by Tenants: 1978
(All Farms—County Unit Basis)

Percent of Farms Operated by Tenants: 1978
(All Farms—County Unit Basis)

United States
Total
313,648

Percent
Less than 5
5 - 14
15 - 24
25 - 39
40 or more

United States
Average
12.6 percent

U.S. Department of Commerce
Bureau of the Census
Rented or Leased Land in Farms by County: 1978
(All Farms—County Unit Basis)

Rented or Leased Land in Farms as a Percent of Land in Farms: 1978
(All Farms—County Unit Basis)
Percent of Farm Operators 65 Years Old and Over: 1978
(All Farms—County Unit Basis)

Farm Operators Reporting Any Off-Farm Work: 1978
(All Farms—County Unit Basis)
Farm Operators Who Are Female: 1978
(All Farms—County Unit Basis)

1 Dot – 50 Farm Operators

United States
Total
128,170

Percent of Farm Operators Who Are Female: 1978
(All Farms—County Unit Basis)

Percent
Less than 3
3 - 4
5 - 6
7 - 9
10 or more

United States
Average
5-2 percent

U.S. Department of Commerce
Bureau of the Census
Farms Reporting Land Held Under Foreign Ownership: 1978
(All Farms—County Unit Basis)

United States
Total
4,903

1 Dot – 5 Farms

U.S. Department of Commerce
Bureau of the Census
Farm Operators Reporting Principal Occupation as Farming: 1978
(All Farms—County Unit Basis)

Percent of Farm Operators Reporting Principal Occupation as Farming: 1978
(All Farms—County Unit Basis)
Farm Operators Reporting Principal Occupation Other Than Farming: 1978
(All Farms—County Unit Basis)

Percent of Farm Operators Reporting Principal Occupation Other Than Farming: 1978
(All Farms—County Unit Basis)

United States Average
46.5 percent

U.S. Department of Commerce
Bureau of the Census
Farms Operated by Individuals or Families: 1978
(All Farms—County Unit Basis)
Land in Farms as a Percent of Land Area: 1978
(All Farms—County Unit Basis)
Cropland - Increase and Decrease in Acreage: 1974 to 1978
(All Farms—County Unit Basis)

1 Dot - 5,000 Acres Increase
1 Dot - 5,000 Acres Decrease

Cropland as a Percent of Land Area: 1978
(All Farms—County Unit Basis)

United States Average 20.4 percent

Percent
Less than 5
5 - 14
15 - 29
30 - 49
50 - 74
75 or more

United States
Net Increase
+21,301,455
Pastureland as a Percent of Land in Farms: 1978
(All Farms—County Unit Basis)

United States Average
54.5 percent

Percent
Less than 10
10 - 29
30 - 49
50 - 74
75 or more

U.S. Department of Commerce
Bureau of the Census
Irrigated Land as a Percent of Land in Farms: 1978
(All Farms—County Unit Basis)

Irrigated Harvested Cropland as a Percent of Harvested Cropland: 1978
(All Farms—County Unit Basis)
Irrigated Pastureland and Rangeland: 1978
(All Farms—County Unit Basis)

United States
Total
5,728,969

1 Dot = 1,000 Acres

Irrigated Field Corn for All Purposes by County: 1978
(All Farms—County Unit Basis)

United States
Total
10,999,239
Artificially Drained Agricultural Land: 1978
(All Farms—County Unit Basis)

United States
Total
105,278,488

1 Dot - 20,000 Acres

Artificially Drained Agricultural Land as a Percent of Land Area: 1978
(All Farms—County Unit Basis)

Percent
Less than 1
1 - 4
5 - 9
10 - 19
20 - 39
40 or more

United States
Average
4.6 percent

U.S. Department of Commerce
Bureau of the Census

78-M192

78-M103F
Value of Agricultural Products Sold by County: 1978
(All Farms--County Unit Basis)
Average Value Per Farm of Agricultural Products Sold: 1978
(All Farms—County Unit Basis)
Average Value of Agricultural Products Sold Per Acre of Land in Farms: 1978
(All Farms—County Unit Basis)

United States Average $105

U.S. Department of Commerce
Bureau of the Census

(All Farms—County Unit Basis)

United States Average 14.8 percent

U.S. Department of Commerce
Bureau of the Census
Value of Crops Sold: 1978
(All Farms--County Unit Basis)
Value of Crops Sold as a Percent of Agricultural Products Sold: 1978
(All Farms—County Unit Basis)

Average Value of Crops Sold Per Acre of Harvested Cropland: 1978
(All Farms—County Unit Basis)
Value of Tobacco Sold as a Percent of Agricultural Products Sold: 1978
(All Farms--County Unit Basis)

Percent
Less than 1
1 - 4
5 - 9
10 - 19
20 - 29
30 or more

United States Average
2.2 percent

U.S. Department of Commerce
Bureau of the Census
Value of Poultry and Poultry Products Sold as a Percent of Agricultural Products Sold: 1978
(All Farms—County Unit Basis)

Value of Dairy Products Sold as a Percent of Agricultural Products Sold: 1978
(All Farms—County Unit Basis)
Value of Cattle and Calves Sold as a Percent of Agricultural Products Sold: 1978
(All Farms—County Unit Basis)

Value of Hogs and Pigs Sold as a Percent of Agricultural Products Sold: 1978
(All Farms—County Unit Basis)
Income From Machine Work, Customwork, and Other Agricultural Services: 1978
(All Farms—County Unit Basis)

United States
Total
$653,513,000

1 Dot - $100,000
Expenditures for Livestock and Poultry Purchased: 1978
(All Farms—County Unit Basis)

United States
Total
$16,232,159,000
(from sample data)

Expenditures for Livestock and Poultry Purchased by County: 1978
(All Farms—County Unit Basis)

United States
Total
$16,232,159,000
(from sample data)
Expenditures for Feed for Livestock and Poultry: 1978
(All Farms—County Unit Basis)

Expenditures for Feed for Livestock and Poultry by County: 1978
(All Farms—County Unit Basis)
Expenditures for Commercially Mixed Formula Feeds as a Percent of All Feed Purchased for Livestock and Poultry: 1978
(All Farms—County Unit Basis)

Expenditures for Seeds, Bulbs, Plants, and Trees: 1978
(All Farms—County Unit Basis)
Expenditures for Commercial Fertilizer by County: 1978
(All Farms—County Unit Basis)

United States
Total
$6,388,998,000
(from sample data)

Expenditures for Agricultural Chemicals, Excluding Fertilizer: 1978
(All Farms—County Unit Basis)

United States
Total
$2,914,958,000
(from sample data)
Expenditures for Gasoline for Farm Business: 1978
(All Farms—County Unit Basis)

United States Total
$2,100,977,000
(from sample data)

Expenditures for Gasoline as a Percent of All Expenditures for Energy and Petroleum Products for Farm Business: 1978
(All Farms—County Unit Basis)

United States Average
34.3 percent
(from sample data)
Expenditures for LP, Butane, or Propane Gas for Farm Business: 1978
(All Farms—County Unit Basis)

United States Total
$476,369,000
(from sample data)

Expenditures for LP, Butane, or Propane Gas as a Percent of All Expenditures for Energy and Petroleum Products for Farm Business: 1978
(All Farms—County Unit Basis)

United States Average
7.8 percent
(from sample data)
Expenditures for Electricity for the Farm Business: 1978
(All Farms—County Unit Basis)

United States Total
$1,328,005,000 (from sample data)

U.S. Department of Commerce
Bureau of the Census

Expenditures for Electricity as a Percent of All Expenditures for Energy and Petroleum Products for the Farm Business: 1978
(All Farms—County Unit Basis)

United States Average 21.7 percent (from sample data)

U.S. Department of Commerce
Bureau of the Census
Expenditures for Contract Labor: 1978
(All Farms—County Unit Basis)

United States
Total
$908,084,000
(from sample data)

Expenditures for Contract Labor by County: 1978
(All Farms—County Unit Basis)

United States
Total
$908,084,000
(from sample data)
Expenditures for Machine Hire, Customwork, and Rental of Machinery: 1978
(All Farms—County Unit Basis)

United States
Total
$1,776,142,000
(from sample data)

United States
Total
$1,776,142,000
(from sample data)

Dollars

Less than 200,000
200,000 - 299,999
300,000 - 499,999
500,000 - 999,999
1,000,000 - 1,499,999
1,500,000 or more

U.S. Department of Commerce
Bureau of the Census
Percent of Farms Reporting Only Workers Working Less Than 150 Days: 1978
(All Farms—County Unit Basis)

Percent of Farms Reporting Any Hired Labor: 1978
(All Farms—County Unit Basis)
Ratio of Hired Farm Workers Working 150 Days or More to Farm Operators: 1978
(All Farms—County Unit Basis)

Number
- Less than 0.5
- 0.5 - 0.9
- 1.0 - 1.9
- 2.0 or more

United States Average
36 number
(from sample data)

U.S. Department of Commerce
Bureau of the Census
Motortrucks, Including Pickups -
Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

Wheel Tractors: 1978
(All Farms—County Unit Basis)
Grain and Bean Combines, Self Propelled -
Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

United States
Net Increase
+140,015
(from sample data)

1 Dot - 50 Combine Increase
1 Dot - 50 Combine Decrease

Pickup Balers: 1978
(All Farms—County Unit Basis)

United States
Total
765,884
(from sample data)

1 Dot - 100 Pickup Balers
Cotton Pickers, Excluding Cotton Strippers: 1978
(All Farms—County Unit Basis)

United States Total
41,435
(from sample data)
Acres on Which Commercial Fertilizer Was Used: 1978
(All Farms--County Unit Basis)

1 Dot - 20,000 Acres

United States
Total
228,618,251
(from sample data)

U.S. Department of Commerce
Bureau of the Census
Average Tons of Lime Applied Per Acre: 1978
(All Farms—County Unit Basis)

United States
Average
1.7 tons
(from sample data)

Tons
Less than 0.5
0.5 - 0.9
1.0 - 1.4
1.5 - 1.9
2.0 - 2.4
2.5 or more

United States Total
76,554,288
(from sample data)

Acres of Crops Including Hay Treated for Insect Control: 1978
(All Farms—County Unit Basis)

1 Dot = 10,000 Acres

U.S. Department of Commerce
Bureau of the Census
Acres of Land Treated for Weed or Grass Control: 1978
(All Farms—County Unit Basis)

United States
Total
165,915,644
(from sample data)

1 Dot - 20,000 Acres

Acres Treated With Chemicals for Defoliation or for Growth Control: 1978
(All Farms—County Unit Basis)

United States
Total
8,336,623
(from sample data)

1 Dot - 1,000 Acres
Farms With 200 Cattle and Calves or More on Hand: 1978
(All Farms—County Unit Basis)

United States
Total
91,470

1 Dot - 20 Farms

Cows and Heifers That Had Calved - Inventory: 1978
(All Farms—County Unit Basis)

United States
Total
45,541,872

1 Dot - 5,000 Cows and Heifers
Cows and Heifers That Had Calved - Inventory
as a Percent of All Cattle and Calves: 1978
(All Farms—County Unit Basis)

Milk Cows - Inventory: 1978
(All Farms—County Unit Basis)
Farms With 100 Milk Cows or More on Hand: 1978
(All Farms—County Unit Basis)

United States Total
16,339

1 Dot - 5 Farms

Milk Cows as a Percent of All Cows and Heifers That Had Calved: 1978
(All Farms—County Unit Basis)

United States Average
22.7 percent

Percent
Less than 5
5 - 9
10 - 19
20 - 29
30 - 49
50 or more

U.S. Department of Commerce
Bureau of the Census
Beef Cows - Inventory: 1978
(All Farms—County Unit Basis)

Beef Cows - Inventory - Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)
Heifers, Heifer Calves, Steers, Steer Calves, Bulls, and Bull Calves as a Percent of All Cattle and Calves: 1978
(All Farms—County Unit Basis)

United States Average 56.9 percent

76-M183P

U.S. Department of Commerce
Bureau of the Census

113
Cattle and Calves Sold: 1978
(All Farms—County Unit Basis)
Cattle Fattened on Grain and Concentrates and Sold for Slaughter: 1978
(All Farms—County Unit Basis)

United States Total
29,801,060

Fattened Cattle Sold – Increase and Decrease in Number: 1974 to 1978
(Farms With Sales of $2,500 or More—County Unit Basis)
Farms With 500 Fattened Cattle or More Sold: 1978
(All Farms—County Unit Basis)

United States Total
5,302

1 Dot - 2 Farms

U.S. Department of Commerce
Bureau of the Census
Hogs and Pigs - Inventory: 1978
(All Farms—County Unit Basis)

1 Dot = 10,000 Hogs and Pigs

United States Total
58,593,991

1976-1978
Hogs and Pigs - Inventory - Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

United States Net Increase +13,306,387

Farms With 200 Hogs and Pigs or More - Inventory: 1978
(All Farms—County Unit Basis)

United States Total 82,652

1 Dot = 1,000 Hogs and Pigs Increase
1 Dot = 1,000 Hogs and Pigs Decrease

1 Dot = 30 Farms

United States

U.S. Department of Commerce
Bureau of the Census

78-M201

78-M202

119
Hogs and Pigs for Breeding: 1978
(All Farms—County Unit Basis)

1 Dot - 2,000 Breeding Hogs and Pigs

United States
Total
8,772,422

Hogs and Pigs for Breeding - Increase and Decrease in Number: 1974 to 1978
(Farms With Sales of $2,500 or More—County Unit Basis)

1 Dot - 500 Breeding Hogs and Pigs Increase

United States
Net Increase
+2,290,537

U.S. Department of Commerce
Bureau of the Census
Litters of Pigs Farrowed Between December 1, 1977, and November 30, 1978
(All Farms—County Unit Basis)

United States Total
11,221,252

1 Dot - 5,000 Litters

U.S. Department of Commerce
Bureau of the Census
Hogs and Pigs Sold by County: 1978
(All Farms—County Unit Basis)

United States Total 92,140,548

Hogs and Pigs
- Less than 2,500
- 2,500 - 9,999
- 10,000 - 19,999
- 20,000 - 34,999
- 35,000 - 49,999
- 50,000 or more

Feeder Pigs Sold: 1978
(All Farms—County Unit Basis)

United States Total 20,021,168

1 Dot - 5,000 Feeder Pigs

U.S. Department of Commerce
Bureau of the Census
Sheep and Lambs - Inventory: 1978
(All Farms—County Unit Basis)

1 Dot = 5,000 Sheep and Lambs

United States
Total
12,371,786

Sheep and Lambs - Inventory - Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

1 Dot = 1,000 Sheep and Lambs Increase
1 Dot = 1,000 Sheep and Lambs Decrease

United States
Net Decrease
-3,007,818
Ewes 1 Year Old or Older: 1978
(All Farms—County Unit Basis)

United States
Total
7,903,782

Sheep and Lambs Sold: 1978
(All Farms—County Unit Basis)

United States
Total
10,349,562
Horses and Ponies - Inventory: 1978
(All Farms—County Unit Basis)

United States
Total
2,209,138

1 Dot = 500 Horses and Ponies

U.S. Department of Commerce
Bureau of the Census
Old or Older - Inventory - Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

Chickens 3 Months Old or Older - Inventory -
Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

1 Dot - 10,000 Chickens
3 Months Old or Older Increase
1 Dot - 10,000 Chickens
3 Months Old or Older Decrease

United States
Net Increase
+ 23,323,878

U.S. Department of Commerce
Bureau of the Census

Chickens 3 Months Old or Older - Inventory by County: 1978
(All Farms—County Unit Basis)

Chickens 3 Months Old or Older
Less than 10,000
10,000 - 24,999
25,000 - 49,999
50,000 - 99,999
100,000 - 199,999
200,000 or more

United States
Total
399,084,129

U.S. Department of Commerce
Bureau of the Census
Broilers, Fryers, and Other Meat Type Chickens Sold: 1978
(All Farms—County Unit Basis)

United States
Total
3,153,618,506

Broilers, Fryers, and Other Meat Type Chickens Sold —
Increase and Decrease in Number: 1974 to 1978
(All Farms—County Unit Basis)

United States
Net Increase
+617,105,904
Broilers, Fryers, and Other Meat Type Chickens Sold, by County: 1978
(All Farms—County Unit Basis)

United States
Total
3,135,618,936

Broilers
- Less than 10,000
- 10,000 - 199,999
- 200,000 - 499,999
- 500,000 - 999,999
- 1,000,000 - 9,999,999
- 10,000,000 or more

Turkey Sales: 1978
(All Farms—County Unit Basis)

United States
Total
141,302,966

1 Dot = 50,000 Turkeys

U.S. Department of Commerce
Bureau of the Census
Turkeys Sold – Increase and Decrease in Number: 1974 to 1978
(Farms With Sales of $2,500 or More—County Unit Basis)

United States
Net increase
+17,321,833

1 Dot – 5,000 Turkeys Increase
1 Dot – 5,000 Turkeys Decrease

U.S. Department of Commerce
Bureau of the Census
Sorghums Harvested for All Purposes - Increase and Decrease in Acreage: 1974 to 1978
(All Farms—County Unit Basis)

United States
Net Decrease
-727,244

1 Dot - 1,000 Acres Increase
1 Dot - 1,000 Acres Decrease

Sorghums Harvested for All Purposes, Except Syrup, by County: 1978
(All Farms—County Unit Basis)

United States Total
14,063,788

Acres
Less than 1,000
1,000 - 2,499
2,500 - 4,999
5,000 - 9,999
10,000 - 14,999
15,000 or more
Acres of Sorghums Harvested for All Purposes, Except Syrup, as a Percent of Harvested Cropland: 1978
(All Farms—County Unit Basis)

Sorghums Harvested for Grain: 1978
(All Farms—County Unit Basis)

United States
total
12,961,799

1 Dot = 5,000 Acres

U.S. Department of Commerce
Bureau of the Census
Barley Harvested for Grain: 1978
(All Farms—County Unit Basis)

United States Total
8,975,538

1 Dot - 5,000 Acres

Barley Harvested for Grain - Increase and Decrease in Acreage: 1974 to 1978
(Farms With Sales of $2,500 or More—County Unit Basis)

United States Net Increase 1,623,225

1 Dot - 500 Acres Increase
1 Dot - 500 Acres Decrease

U.S. Department of Commerce
Bureau of the Census
Rye Harvested for Grain: 1978
(All Farms—County Unit Basis)

1 Dot - 500 Acres

United States
Total
439,403

Flaxseed Harvested: 1978
(All Farms—County Unit Basis)

1 Dot - 1,000 Acres

United States
Total
430,416
Rice Harvested: 1978
(All Farms—County Unit Basis)

United States
Total
3,000,944

1 Dot - 3,000 Acres

U.S. Department of Commerce
Bureau of the Census
Acres of Soybeans Harvested for Beans as a Percent of Harvested Cropland: 1978
(All Farms—County Unit Basis)

United States Average
19.3 percent

Peanuts Harvested for Nuts: 1978
(All Farms—County Unit Basis)

United States Total
1,454,353
Dry Field and Seed Beans Harvested for Beans: 1978
(All Farms—County Unit Basis)

United States
Total
1,317,141

1 Dot - 2,000 Acres

Cotton Harvested: 1978
(All Farms—County Unit Basis)

United States
Total
12,737,497

1 Dot - 5,000 Acres
Cotton Harvested - Increase and Decrease in Acreage: 1974 to 1978
(All Farms—County Unit Basis)

United States
Net Increase
+513,997

1 Dot - 1,000 Acres Increase
1 Dot - 1,000 Acres Decrease

Acres of Cotton Harvested as a Percent of Harvested Cropland: 1978
(All Farms—County Unit Basis)

United States
Average
4.0 percent

Percent
Less than 1
1 - 4
5 - 9
10 - 19
20 - 29
30 or more
Sunflower Seed Harvested: 1978
(All Farms—County Unit Basis)

Sugar Beets Harvested for Sugar: 1978
(All Farms—County Unit Basis)
Irish Potatoes Harvested - Increase and Decrease in Acreage: 1974 to 1978
(All Farms—County Unit Basis)

1 Dot - 100 Acres Increase
1 Dot - 100 Acres Decrease

United States
Net Increase
+50,529

Tobacco Harvested: 1978
(All Farms—County Unit Basis)

1 Dot - 500 Acres

United States
Total
1,004,697
Tobacco Harvested - Increase and Decrease in Acreage: 1974 to 1978
(All Farms—County Unit Basis)

United States
Net Increase
+127,564

U.S. Department of Commerce
Bureau of the Census
Land From Which Hay Was Cut by County: 1978
(All Farms—County Unit Basis)

United States Total
61,757,610

Acres
- Less than 2,500
- 2,500 - 4,999
- 5,000 - 9,999
- 10,000 - 19,999
- 20,000 - 39,999
- 40,000 or more

U.S. Department of Commerce
Bureau of the Census
78-MD/63P
Alfalfa Hay Cut: 1978
(All Farms—County Unit Basis)

United States
Total
26,385,363

Alfalfa Hay Cut - Increase and Decrease in Acreage: 1974 to 1978
(Farms With Sales of $2,500 or More—County Unit Basis)
Other Tame Dry Hay Cut: 1978  
(All Farms—County Unit Basis)  

Small Grain Hay Cut: 1978  
(All Farms—County Unit Basis)
Wild Hay Cut: 1978
(All Farms—County Unit Basis)

United States
Total
8,448,080

Grass Silage and Haylage Harvested: 1978
(All Farms—County Unit Basis)

United States
Total
3,644,961
Snap Beans, Bush and Pole, Harvested for Sale: 1978
(All Farms—County Unit Basis)

United States
Total
341,374

1 Dot - 500 Acres

United States
Total
253,020

1 Dot - 300 Acres
Asparagus Harvested for Sale: 1978
(All Farms—County Unit Basis)

United States Total 86,675

1 Dot – 200 Acres

U.S. Department of Commerce
Bureau of the Census

Cantaloupe and Persian Melons Harvested for Sale: 1978
(All Farms—County Unit Basis)

United States Total 110,572

1 Dot – 200 Acres

U.S. Department of Commerce
Bureau of the Census
Green Peas Harvested for Sale: 1978
(All Farms—County Unit Basis)

United States
Total
363,952

1 Dot - 500 Acres

U.S. Department of Commerce
Bureau of the Census
Berries Harvested for Sale: 1978
(All Farms—County Unit Basis)

1 Dot - 50 Acres

United States Total
131,023

U.S. Department of Commerce
Bureau of the Census

Strawberries Harvested for Sale: 1978
(All Farms—County Unit Basis)

1 Dot - 50 Acres

United States Total
45,567

U.S. Department of Commerce
Bureau of the Census
Acres of Apple Trees: 1978
(All Farms—County Unit Basis)

Acres of Peach Trees: 1978
(All Farms—County Unit Basis)
Acres of Pear Trees: 1978
(All Farms—County Unit Basis)

Acres of Cherry Trees: 1978
(All Farms—County Unit Basis)
Acres of Plum and Prune Trees: 1978
(All Farms—County Unit Basis)

United States
Total
141,489

1 Dot - 200 Acres

Acres of Grape Vines: 1978
(All Farms—County Unit Basis)

United States
Total
762,536

1 Dot - 1,000 Acres
Acres of Orange Trees: 1978
(All Farms—County Unit Basis)

United States
Total
914,250

1 Dot - 1,500 Acres

U.S. Department of Commerce
Bureau of the Census

Acres of Grapefruit Trees: 1978
(All Farms—County Unit Basis)

United States
Total
245,483

1 Dot - 500 Acres

U.S. Department of Commerce
Bureau of the Census
Farms
Land in Farms
Foreign Ownership
Energy – Expenditures
Value of Land and Buildings
Land Use – Crops Harvested
Value of Sales by Commodity Group
Livestock and Poultry – Inventory and Sales
Farm Operators – Race, Age, Sex, Principal Occupation

Volume 1 State and County Data

<table>
<thead>
<tr>
<th>Part No.</th>
<th>States</th>
<th>Stock Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ALABAMA</td>
<td>003-024-02322-7</td>
<td>$12</td>
</tr>
<tr>
<td>2</td>
<td>ALASKA</td>
<td>003-024-02322-5</td>
<td>$7</td>
</tr>
<tr>
<td>3</td>
<td>ARIZONA</td>
<td>003-024-02325-3</td>
<td>$8</td>
</tr>
<tr>
<td>4</td>
<td>ARKANSAS</td>
<td>003-024-02326-1</td>
<td>$12</td>
</tr>
<tr>
<td>5</td>
<td>CALIFORNIA</td>
<td>003-024-02327-0</td>
<td>$12</td>
</tr>
<tr>
<td>6</td>
<td>COLORADO</td>
<td>003-024-02328-8</td>
<td>$12</td>
</tr>
<tr>
<td>7</td>
<td>CONNECTICUT</td>
<td>003-024-02329-6</td>
<td>$7.50</td>
</tr>
<tr>
<td>8</td>
<td>DELAWARE</td>
<td>003-024-02330-0</td>
<td>$7.50</td>
</tr>
<tr>
<td>9</td>
<td>FLORIDA</td>
<td>003-024-02331-8</td>
<td>$12</td>
</tr>
<tr>
<td>10</td>
<td>GEORGIA</td>
<td>003-024-02332-6</td>
<td>$19</td>
</tr>
<tr>
<td>11</td>
<td>HAWAI'I</td>
<td>003-024-02334-4</td>
<td>$7</td>
</tr>
<tr>
<td>12</td>
<td>IDAHO</td>
<td>003-024-02334-2</td>
<td>$10</td>
</tr>
<tr>
<td>13</td>
<td>ILLINOIS</td>
<td>003-024-02335-1</td>
<td>$12</td>
</tr>
<tr>
<td>14</td>
<td>INDIANA</td>
<td>003-024-02336-9</td>
<td>$13</td>
</tr>
<tr>
<td>15</td>
<td>IOWA</td>
<td>003-024-02337-7</td>
<td>$12</td>
</tr>
<tr>
<td>16</td>
<td>KANSAS</td>
<td>003-024-02338-5</td>
<td>$14</td>
</tr>
<tr>
<td>17</td>
<td>KENTUCKY</td>
<td>003-024-02339-3</td>
<td>$14</td>
</tr>
<tr>
<td>18</td>
<td>LOUISIANA</td>
<td>003-024-02340-7</td>
<td>$12</td>
</tr>
<tr>
<td>19</td>
<td>MAINE</td>
<td>003-024-02341-5</td>
<td>$8</td>
</tr>
<tr>
<td>20</td>
<td>MARYLAND</td>
<td>003-024-02342-2</td>
<td>$10</td>
</tr>
<tr>
<td>21</td>
<td>MASSACHUSETTS</td>
<td>003-024-02343-9</td>
<td>$7.50</td>
</tr>
<tr>
<td>22</td>
<td>MICHIGAN</td>
<td>003-024-02344-0</td>
<td>$12</td>
</tr>
<tr>
<td>23</td>
<td>MINNESOTA</td>
<td>003-024-02345-8</td>
<td>$13</td>
</tr>
<tr>
<td>24</td>
<td>MISSISSIPPI</td>
<td>003-024-02346-6</td>
<td>$12</td>
</tr>
<tr>
<td>25</td>
<td>MISSOURI</td>
<td>003-024-02347-4</td>
<td>$14</td>
</tr>
<tr>
<td>26</td>
<td>MONTANA</td>
<td>003-024-02348-2</td>
<td>$11</td>
</tr>
<tr>
<td>27</td>
<td>NEBRASKA</td>
<td>003-024-02349-1</td>
<td>$13</td>
</tr>
<tr>
<td>28</td>
<td>NEVADA</td>
<td>003-024-02350-4</td>
<td>$8</td>
</tr>
<tr>
<td>29</td>
<td>NEW HAMPSHIRE</td>
<td>003-024-02351-2</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

For further information, or an order form, write to: Data User Services Division, Customer Services, (Publications), Bureau of the Census, Washington, D.C. 20233.