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

<table>
<thead>
<tr>
<th>Farms With Sales of $2,500 and Over</th>
<th>1974</th>
<th>1969</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated quantity of irrigation water applied, acre-feet</td>
<td>185 990</td>
<td>166 246</td>
</tr>
<tr>
<td>Average per acre irrigated, acre-feet</td>
<td>1.2</td>
<td>1.1</td>
</tr>
</tbody>
</table>

#### Method of irrigation
- Furrows or ditches: 373 forms
- Sprinklers and rotating sprinklers: 45 040 forms
- Self-propelled sprinkler systems: 57 650 forms
- Other sprinkler systems: 78 forms
- Subirrigation: 2 892 forms
- Land in irrigated forms: 2 483 149 forms
- Cropland irrigated: 2 611 769 forms
- Harvested cropland irrigated: 471 184 forms

#### Farms that were not irrigated in 1974

#### Irrigation systems installed
- Flooding: 5 746 forms
- Sprinkler systems: 92 829 forms
- Furrows or ditches: 53 585 forms
- Artificial ponds, pits, reservoirs, and earthen tanks: 3 473 forms
- Other: 83 271 forms

#### Artificial Ponds
- Artificial ponds, pits, reservoirs, and earthen tanks: 1 886 forms

### Table 13. Agricultural Chemicals Used: 1974 and 1969

<table>
<thead>
<tr>
<th>Farms With Sales of $2,500 and Over</th>
<th>1974</th>
<th>1969</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total chemical costs, including fertilizer and lime</td>
<td>$1,000,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Forms</td>
<td>27 718</td>
<td>28 950</td>
</tr>
<tr>
<td>Tons</td>
<td>80 529</td>
<td>72 327</td>
</tr>
</tbody>
</table>

#### Commercial Fertilizer
- Forms | 21 976 | 19 584 |
- Acres on which used | 4 977 458 | 3 477 777 |
- Tons | 60 781 | 21 362 |
- Tons | 19 974 | 15 362 |

#### Dry Fertilizer
- Forms | 259 458 | 179 322 |
- Tons | 5 953 | 6 456 |
- Tons | 26 889 | 54 707 |

#### Liquid Fertilizer
- Forms | 2 916 | 2 561 |
- Acres on which used | 4 940 | 4 007 |
- Tons | 1 968 | 1 537 |
- Tons | 1 340 | 1 097 |

#### Lime
- Forms | 2 916 | 2 561 |
- Acres on which used | 6 961 | 1 961 |
- Tons | 8 696 | 2 320 |
- Tons | 1 052 | 1 537 |

#### Farms by tons used:
- 1 to 9 tons | 3 470 | 4 001 |
- 10 to 49 tons | 1 340 | 1 097 |
- 50 to 99 tons | 1 340 | 1 097 |
- 100 to 199 tons | 1 340 | 1 097 |
- 200 to 499 tons | 1 340 | 1 097 |
- 500 to 999 tons | 1 340 | 1 097 |
- 1,000 tons and over | 1 340 | 1 097 |

#### Other methods of application
- Sprays, dusts, granules, fumigants, etc., to control insects, nematodes, diseases, and weeds: 6 961 forms
- Insects on hay crops: 7 400 forms
- Insects on field crops: 5 939 forms
- Nematodes in crops: 6 961 forms
- Diseases in crops and orchards: 6 961 forms
- Weeds in grass crops: 6 961 forms
- Weeds or quack grass in crops: 6 961 forms
- Weeds in orchards: 6 961 forms
- Weeds in other crops: 6 961 forms
- Chemicals for defoliation or for growth control of crops or thinning of fruit: 6 961 forms
- Insect control on livestock and poultry: 6 961 forms
- Other chemicals (see text): 6 961 forms

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1–12 South Dakota 1974 Census of Agriculture—State Data