VEGETABLES — PROCESSING

ACREAGE AND INDICATED PRODUCTION
OF PRINCIPAL CROPS
July 1, 1970

The 1.6 million acres planted for 9 of the 10 principal processing vegetables in the United States is 7 percent less than last year, according to the Crop Reporting Board. Acreage of sweet corn, green peas and tomatoes accounts for over three-fourths of this decline. Fewer planted acres are estimated for all of the other major crops, except cabbage contracted for kraut and winter and spring spinach.

Processing vegetables in general are making good progress and are about on schedule although some delay occurred from cool, wet weather earlier in the season. Planting except for some fall acreage is completed. Rains during June were adequate in most States and in some northcentral producing areas were excessive. Some damage occurred in low-lying areas. Temperatures during June were favorable for most crops.

GREEN LIMA BEANS: Nationally, the planted acreage of green lima beans for processing this year is estimated at 74,940 acres, 16 percent below last year and 32 percent below 1968. This estimate of planted acreage is slightly less than the intentions reported on April 1. All principal producing States except Delaware have less acreage than last year.

The 1970 acreage planted for canning is 12 percent less than last year, while the acreage for freezing is down 18 percent. Fordhooks for freezing are down 34 percent and baby limas are down 11 percent from last year.

SNAP BEANS: The 1970 production of snap beans for processing is forecast at 567,400 tons, down slightly from last year. The acreage expected to be harvested is 4 percent less than last year and 14 percent less than 1968. Based on growing conditions on July 1, a U. S. yield per acre of 2.48 tons is expected, compared with 2.39 tons per acre for the 1969 crop.
BEETS: Estimated at 15,630 acres, the 1970 U. S. planted acreage of beets for processing is down 17 percent from 1969 and down 28 percent from 1968.

CABBAGE FOR KRAUT: The 1970 contracted acreage of cabbage for kraut is estimated at 12,240 acres, based on the contracted acreage and the equivalent acreage of contracted tonnage of cabbage for kraut this year. This acreage compares with 10,910 contracted acres planted in 1969 and 11,040 acres in 1968. These estimates include only the portion of the crop under contract. In 1969, the contracted acreage and equivalent acreage of contracted tonnage represented 81 percent of the total acreage for kraut. No estimate of the total acreage of cabbage to be used for kraut is made at this time since open market purchases depend on the availability, price and the demand for processing. The first estimate of total acreage for kraut is made in December. The prospective acreage for harvest of early fall cabbage (for both fresh market and processing) is estimated at 32,550 acres, up 6 percent from 1969. This seasonal group supplies most of the cabbage for kraut.

GREEN PEAS: The 1970 U. S. production of green peas for processing is forecast at 471,200 tons, 10 percent less than last year and 19 percent less than 1968. An average yield per acre for the 1970 crop is estimated at 1.24 tons compared with 1.30 tons in 1969.

TOMATOES: The 1970 planted acreage of tomatoes for processing in the U. S. is estimated at 249,350 acres, 8 percent less than 1969 and 33 percent less than 1968. This acreage is down approximately 7,000 acres from the intended acreage reported in March 1970. All major producing States planted fewer acres than last year except Florida and New Jersey.

The 1970 acreage planted in California, at 141,000 acres, accounts for 57 percent of the U. S. acreage, no change from last year but below the 62 percent in 1968.
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td><strong>ALL PROCESSING</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Green lima beans</td>
<td>110,640</td>
<td>88,930</td>
<td>74,940</td>
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<tr>
<td>Snap beans</td>
<td>285,940</td>
<td>250,790</td>
<td>240,670</td>
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<td>22,090</td>
<td>19,120</td>
<td>15,830</td>
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<tr>
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<td>11,040</td>
<td>10,910</td>
<td>12,240</td>
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<tr>
<td>Sweet corn</td>
<td>553,660</td>
<td>465,400</td>
<td>431,900</td>
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<tr>
<td>Cucumbers for pickles</td>
<td>159,880</td>
<td>140,290</td>
<td>136,840</td>
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<tr>
<td>Green peas</td>
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<td>441,290</td>
<td>410,140</td>
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<td>Spinach:</td>
<td></td>
<td></td>
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<tr>
<td>Winter</td>
<td>11,400</td>
<td>8,800</td>
<td>9,700</td>
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<tr>
<td>Spring</td>
<td>10,820</td>
<td>9,320</td>
<td>11,480</td>
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<tr>
<td>Tomatoes</td>
<td>373,760</td>
<td>272,350</td>
<td>249,350</td>
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<td><strong>Total reported to date</strong></td>
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<td>1,707,200</td>
<td>1,593,090</td>
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<td>Asparagus for processing</td>
<td>94,600</td>
<td>92,910</td>
<td>Dec. 17</td>
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<tr>
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<td>1,720</td>
<td>2,490</td>
<td>Dec. 17</td>
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<tr>
<td>Spinach (Fall)</td>
<td>6,370</td>
<td>6,770</td>
<td>Nov. 9</td>
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<td><strong>Total - 10 Vegetables</strong></td>
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<td>1,809,370</td>
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<td><strong>FOR FREEZING</strong></td>
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<td>50,200</td>
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<td>Sweet corn</td>
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<td>96,070</td>
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<td>Green peas</td>
<td>185,570</td>
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<td>146,070</td>
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<td>Spinach (Winter &amp; Spring)</td>
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<td>9,480</td>
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<td><strong>FOR CANNING</strong></td>
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<tr>
<td>Green lima beans</td>
<td>38,190</td>
<td>31,550</td>
<td>27,810</td>
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<td>Snap beans</td>
<td>222,690</td>
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<td>190,470</td>
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<td>Sweet corn</td>
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<td>335,830</td>
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<tr>
<td>Green peas</td>
<td>314,370</td>
<td>280,270</td>
<td>284,070</td>
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<td>Spinach (Winter &amp; Spring)</td>
<td>11,150</td>
<td>10,070</td>
<td>11,700</td>
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## Preliminary acreage and indicated production by crops, United States, 1970 with comparisons

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<tr>
<th>Crop</th>
<th>Acreage</th>
<th>Production</th>
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<tr>
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<td>Harvested</td>
<td>For harvest</td>
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<tr>
<td>Snap Beans</td>
<td>267,110 : 238,290</td>
<td>228,470</td>
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<tr>
<td>Green peas</td>
<td>452,090 : 404,150</td>
<td>381,140</td>
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<tr>
<td>Spinach: Winter</td>
<td>10,600 : 8,100</td>
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<tr>
<td>Spinach: Spring</td>
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<tr>
<td>Total reported to date</td>
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<td>629,990</td>
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<td>Asparagus</td>
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<tr>
<td>Beets</td>
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<td>Cabbage for kraut (contract)</td>
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<td>Aug. 7</td>
</tr>
<tr>
<td>Cabbage for kraut (open market)</td>
<td>1,720 : 2,140</td>
<td>Dec. 17</td>
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<tr>
<td>Sweet corn</td>
<td>519,160 : 448,700</td>
<td>Aug. 7</td>
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<td>Cucumbers for pickles</td>
<td>144,820 : 129,720</td>
<td>Nov. 9</td>
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<td>Spinach (Fall)</td>
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<td>Nov. 9</td>
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<td>Tomatoes</td>
<td>370,150 : 266,940</td>
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<td>Total - 10 Vegetables</td>
<td>2,011,740 : 1,716,950</td>
<td>Dec. 17</td>
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VEGETABLES-PROCESSING, July 1970
### Green Lima Beans for Processing: Preliminary Planted Acreage by States, and Utilization, 1970 with Comparisons

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<td>105</td>
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<td>74,940</td>
<td>68</td>
<td>84</td>
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For freezing:

- Baby limas: 47,330
- Fordhooks 2/ 25,120

For canning and other processing:

- 38,190
- 31,550
- 27,810

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2/ Includes Emeralds.
Snap beans for processing: Preliminary acreage and indicated production by States, 1970 with comparisons

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<thead>
<tr>
<th>State</th>
<th>Acreage</th>
<th>Harvested</th>
<th>For harvested</th>
<th>Yield per acre</th>
<th>Production</th>
<th>Ind. 1968</th>
<th>1969</th>
<th>1970</th>
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<td>48,500</td>
<td>47,500</td>
<td>1.80 2.00 2.00</td>
<td>96,300</td>
<td>97,000</td>
<td>95,000</td>
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<tr>
<td>Pennsylvania</td>
<td>9,800</td>
<td>6,200</td>
<td>6,200</td>
<td>1.20 2.00 2.00</td>
<td>17,600</td>
<td>12,400</td>
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<td>9,100</td>
<td>7,400</td>
<td>1.40 1.60 1.60</td>
<td>13,600</td>
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<td>11,850</td>
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<td>9,700</td>
<td>8,000</td>
<td>1.70 1.60 1.70</td>
<td>22,100</td>
<td>13,900</td>
<td>13,600</td>
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<td>Virginia</td>
<td>3,000</td>
<td>2,100</td>
<td>2,200</td>
<td>2.10 1.60 1.50</td>
<td>6,300</td>
<td>3,350</td>
<td>3,300</td>
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<tr>
<td>North Carolina</td>
<td>3,300</td>
<td>1,400</td>
<td>1,900</td>
<td>1.80 2.60 2.00</td>
<td>5,900</td>
<td>3,650</td>
<td>3,800</td>
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<td>South Carolina</td>
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<td>1.90 1.90 2.00</td>
<td>1,500</td>
<td>750</td>
<td>800</td>
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<td>9,400</td>
<td>9,000</td>
<td>1.80 2.50 1.90</td>
<td>19,800</td>
<td>23,500</td>
<td>17,100</td>
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<td>Michigan</td>
<td>10,600</td>
<td>11,200</td>
<td>10,200</td>
<td>2.10 1.70 2.10</td>
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<td>19,050</td>
<td>21,400</td>
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<tr>
<td>Wisconsin</td>
<td>41,200</td>
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<td>45,000</td>
<td>2.20 2.10 2.40</td>
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<td>108,000</td>
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<td>11,300</td>
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<td>1.70 1.70 2.00</td>
<td>19,200</td>
<td>17,850</td>
<td>21,000</td>
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<td>2,100</td>
<td>1,700</td>
<td>2.50 2.50 2.70</td>
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<td>27,500</td>
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<td>153,700</td>
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<td>568,626</td>
<td>568,450</td>
<td>567,400</td>
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</tbody>
</table>

1/ Maine, New Hampshire, Massachusetts, New Jersey, Ohio, Indiana, Minnesota, Missouri, Georgia, Florida, Kentucky, Alabama, Mississippi, Louisiana, Idaho and Utah.

VEGETABLES - PROCESSING, July 1970 - 6 - Crop Reporting Board, SRS, USDA
### Beets for canning: Preliminary planted acreage by States, 1970 with comparisons

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<tr>
<th>State</th>
<th>Planted acreage</th>
<th>1970 as percent of</th>
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<td>Texas</td>
<td>4,500</td>
<td>2,900</td>
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<tr>
<td>Oregon</td>
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<td>2,400</td>
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<tr>
<td>Other States 1/</td>
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<tr>
<td>United States</td>
<td>22,090</td>
<td>19,120</td>
</tr>
</tbody>
</table>


### Cabbage for Kraut (contract only): Preliminary planted acreage by States, 1970 with comparisons

<table>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total 1/</td>
<td>Contract 2/</td>
<td>Total 1/</td>
<td>Contract 2/</td>
<td>Total 1/</td>
<td>Contract 2/</td>
<td>Contract 2/</td>
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<td>1,500</td>
<td>1,420</td>
<td>1,700</td>
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<td>4,000</td>
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<td>3,600</td>
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<tr>
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<td>2,940</td>
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<td>12,760</td>
<td>11,040</td>
<td>13,400</td>
<td>10,910</td>
<td>12,240</td>
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<td></td>
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</table>

1/ Total acreage is the contract acreage (Footnote 2) plus an equivalent acreage for open-market purchases.

2/ Contract acreage includes acreage grown by packers on owned or leased land, acreage grown under contract with growers, and equivalent acreage for contracted tonnage.


**VEGETABLES - PROCESSING, July 1970** - 7 - Crop Reporting Board, SRS, USDA
### Green peas for processing: Preliminary acreage and indicated production by Regions and States, 1970 with comparisons

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<tbody>
<tr>
<td><strong>EAST:</strong></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Delaware</td>
<td>7,300</td>
<td>5,600</td>
<td>5,800</td>
<td>1.61</td>
<td>1.30</td>
<td>1.70</td>
<td>11,750</td>
<td>7,300</td>
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<td>10,500</td>
<td>8,700</td>
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<td>1.53</td>
<td>1.50</td>
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Tomatoes for processing: Preliminary planted acreage
by States, 1970 with comparisons

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1/ Wisconsin, Iowa, Missouri, Kansas, West Virginia, North Carolina, South Carolina, Kentucky, Alabama, Arkansas, Louisiana, Oklahoma and Washington.

VEGETABLES-PROCESSING, July 1970 - 9 - Crop Reporting Board, SRS, USDA
COMMENTS ON CROP DEVELOPMENT  
July 15, 1970  

GREEN LIMA BEANS FOR PROCESSING

New York: Early stands are in good condition.

New Jersey: Some acreage will be replanted due to wet fields and some acreage may not be planted. Harvest of early planted acreage is expected in early August.

Pennsylvania: Planting is very near completion. Stands are generally fair to good.

Ohio: Planting is near completion.

Illinois: Soil moisture is excessive in some low-lying areas. Planting was virtually completed during the first week in July.

Michigan: Planting is near completion. Weather conditions have been good.

Wisconsin: The crop has made good development.

Minnesota: Rains have been excessive and crop prospects are generally poor.

Maryland and Delaware: Planting continues. Rainfall has been adequate for both germination and plant growth.

Arkansas: Planting is completed. The crop is growing well.

Oklahoma: The crop is up to good stands. Soil moisture is becoming short in the east-central area.

Idaho: Stands are mostly 85-90 percent of normal. Recent warm weather has favored crop development.

Washington and Oregon: Planting is completed. Emerged plants are progressing well.

California: Planting should continue through July. Early planted Fordhooks are in good condition with harvest expected to start about August 10 in southern areas.

SNAP BEANS FOR PROCESSING

New York: Growing conditions have been very favorable. Harvest is expected to start near mid-July—about one week ahead of schedule.

New Jersey: Soil moisture is excessive and some wind damage has occurred. Harvest is underway.

Pennsylvania: Soil moisture is adequate and warm, sunny days have favored crop growth. Prospects are good.

Ohio: Crop prospects are good. Harvest was expected to start during the first week of July.

Indiana: Crop progress has been good. Some fields are becoming dry.

Illinois: The crop is in generally good condition.

VEGETABLES - PROCESSING, July 1970 - 10 -  C--- Reporting Board, S' USDA
SNAP BEANS FOR PROCESSING - Continued

**Michigan:** Growing conditions have been favorable. Crops prospects are good.

**Wisconsin:** The crop is in good condition. Harvest was expected to start in early July.

**Minnesota:** Growing conditions have been favorable except for recent high temperatures.

**Maryland and Delaware:** The crop looks good despite some thin stands. Harvest is underway.

**Virginia:** Picking is in full swing on the Eastern Shore. Harvest in south areas should start around mid-July.

**North Carolina:** Harvest is completed in southeastern counties and is starting in the mountain areas.

**Florida:** Harvest is completed except for the fall crop which normally starts in October.

**Kentucky:** Harvest started during the last week of June after some delay from wet weather.

**Arkansas:** Harvest is active. Yields from late planted fields are averaging higher than from early fields.

**Oklahoma:** Harvest of the spring crop is nearing completion. Yields have been good.

**Texas:** Harvest of the spring crop is completed. Supplies from the fall crop are expected in September.

**Idaho and Utah:** Crop prospects are above normal.

**Colorado:** Crop prospects are excellent. Harvest is expected to start around mid-July.

**Washington:** Crop progress has been good. Harvest should begin near the end of July.

**Oregon:** Warm days and nights have been beneficial and crop prospects are good.

**California:** Harvest should increase during July and reach the peak of activity during August.

**BEETS FOR CANNING**

**New York:** Some early plantings have been thinned. Soil moisture is excessive in some fields.

**New Jersey:** Crop prospects are good. Harvest is expected to start around September 1.

**Ohio:** Weather conditions have been ideal for crop growth and development.
BEETS FOR CANNING - Continued

Michigan: Crop prospects are good.

Wisconsin: Planting is completed and the crop is in good condition.

Minnesota: Condition of the crop is good.

Virginia: Harvest was expected to begin during the first of July.

Texas: Harvest of the spring crop is completed. Harvest of the fall crop is expected to start in August.

Colorado: Moisture supplies are good. Planting is completed.

Washington: Planting is completed. Emerged plants are in good condition but moisture is needed.

Oregon: Planting is generally completed. Early seedings are making good growth.

California: Harvest should peak during July.

CABBAGE FOR KRAUT

New York: Crop development has been good with excellent growing conditions prevailing.

Pennsylvania: Planting is nearly completed. Crop development has been good but is about 2 weeks behind the normal.

Ohio: The crop looks very good although moisture supplies are excessive in some areas. Harvest is expected to start during the second week of July.

Indiana: Soil moisture is adequate and the crop looks very good. Cutting was expected to start during the first week of July.

Michigan: The crop is growing well.

Wisconsin: Planting should continue until mid-July. Moisture is needed.

Virginia: The moisture supply improved during June and the crop is making good growth. Harvest is expected to begin in late July.

North Carolina: Planting was generally completed by July 1. Condition of early plantings is fair to good. Rain is needed.

Colorado: Heavy rains caused some damage but crop prospects are generally fair.

Washington: Cool nights and dry field conditions have delayed crop development.

Oregon: Crop development is about normal.

VEGETABLES - PROCESSING, July 1970 - 12 - Crop Reporting Board, SRS, USDA
New York: The overall prospects are good.
Pennsylvania: Weather conditions have been ideal.
Ohio: Crop is making normal progress.
Indiana: Ample moisture and warm temperatures have been favorable. Some picking is expected in late July in the southern areas.
Illinois: Some damage in low areas from standing water has occurred but the overall crop condition is normal.
Wisconsin: Growing conditions have been excellent and the crop is in very good condition.
Minnesota: Stands are good and soil moisture is adequate. Crop condition is above average in most areas.
Iowa: Some tassels are showing, a little ahead of last year's progress.
South Dakota: The crop is making rapid growth following recent rains.
Maryland and Delaware: Moisture is ample and crop prospects are good.
Virginia: Rains near the end of June were beneficial, and the crop is progressing normally. Picking is expected to begin about mid-July.
Texas: Harvest is essentially completed. Yields have been good.
Idaho: Recent rains have improved soil moisture and warm temperatures have been beneficial. Crop progress is a little later than usual.
Utah: Temperatures have been cool but crop prospects continue normal.
Washington: The crop is growing rapidly and fields are in excellent condition. Planting is nearing completion.
Oregon: Plants are responding well to recent warm weather but progress is still about 10 days later than usual.

CUCUMBERS FOR PICKLES

New England: The crop is slightly later than usual. Vines are healthy but cool temperatures have slowed growth and hampered the early set.
New York: Development of early plantings has been good while progress of the later plantings has been slowed by cool weather. Planting is nearing completion with harvest expected to start about July 20.
New Jersey: The crop condition is excellent. Harvest has begun and supplies are increasing.

VEGETABLES - PROCESSING, July 1970 - 13 - Crop Reporting Board, SRS, USDA
CUCUMBERS FOR PICKLES - Continued

Pennsylvania: Crop development is near normal. Harvest is underway in the southeastern area.

Ohio: Condition of the crop is good although some fields are very wet. Harvest is expected to start by mid-July.

Indiana: Soil moisture is generally ample and temperatures have been favorable. Picking was expected to get underway in most areas the first week of July.

Illinois: The crop is in fair condition although recent wet field conditions caused some damage.

Michigan: The crop condition is good. Some replanting has been necessary.

Wisconsin: The crop is in excellent condition and is making good growth. Harvest is expected to start about the last week in July.

Minnesota: Soil moisture is adequate and crop progress is ahead of normal.

Iowa: Crop development has been good.

Maryland and Delaware: Crop prospects are good and harvest is expected to begin in early July.

Virginia: Rain in late June improved the crop. Volume harvest should continue through July.

North Carolina: The crop was damaged by early June drought. Showers in late June were too late in most areas. Receipts were below expectations. Fall acreages are being contracted.

South Carolina: Harvest was nearing completion by July 1. Hot weather during most of June hurt some of the crop but the overall yield was good.

Florida: Harvest of the spring crop was completed in late June. Planting for fall harvest should begin in September.

South Dakota: Warm weather and good moisture have been favorable for growth.

Kentucky: The crop has progressed well. Active harvest is expected by mid-July.

Alabama: The crop has made good progress and harvest is active.

Mississippi: Rains during the last half of June were favorable. Harvest continues.

Arkansas: The crop looks good but is about two weeks later than usual. Harvest is underway.

Louisiana: The June drought reduced yields, but recent showers have been beneficial. Harvest continues to be active.
CUCUMBERS FOR PICKLES - Continued

Oklahoma: Picking continues in all areas. Soils are becoming dry.

Texas: Harvest is expected to continue into September.

Colorado: Crop development has been slow.

Idaho: Crop condition is about normal. Harvest is expected to start during the last half of July.

Arizona: Harvest of the early crop is underway. Late plantings should furnish tonnage into November.

Washington: Planting is completed. The crop is in good condition. Harvest is expected to start in late July.

Oregon: Stands are good and plants are filling in rows. Harvest is expected to start around mid-July.

California: Harvest activity should increase during July, and should reach peak levels during August.

GREEN PEAS FOR PROCESSING

New York: The crop in good condition. Harvest is underway.

New Jersey: Harvest is about on schedule. Rains have caused some loss on late acreages.

Pennsylvania: Harvest continues.

Illinois: Some damage has occurred where water stood in fields. The wet field conditions have reduced crop prospects.

Michigan: Harvest has started. Prospects are good.

Wisconsin: Harvest is about half completed. Condition of the remaining acreage is fair to good.

Minnesota: Crop progress is generally good, although standing water and heat have caused some damage.

Maryland and Delaware: Harvest is nearing completion. Rain, with severe local storms during the week ending June 22, hindered harvest.

Virginia: Harvest is completed.

Montana: Moisture supplies are adequate and peas are developing normally. Harvest has started.
GREEN PEAS FOR PROCESSING - Continued

Colorado: Crop prospects are excellent. Harvest is expected to peak in early July.

Idaho: The crop is making favorable progress. Hot weather has reduced prospects in some areas.

Utah: Condition of the crop is good to excellent.

Washington: Yields on early plantings are below normal but should improve on the late planted crop.

Oregon: Harvest continues. Recent hot weather has reduced prospects.

California: Harvest is completed.

TOMATOES FOR PROCESSING

New York: Crop progress is on schedule. Harvest is expected to start about mid-August.

New Jersey: Conditions are good and prospects are above average.

Pennsylvania: Growing conditions have been favorable and prospects are good.

Illinois: Prospects are favorable.

Indiana: The crop is progressing well.

Michigan: Prospects are good.

Maryland, Delaware and Virginia: Condition of the crop is generally good. Harvest is expected to start about mid-July.

Florida: Harvest of the spring crop is completed.

Kentucky: Harvest is expected to begin around mid-July in western areas, and in early August in the northern areas.

Arkansas: The crop is later than usual. Harvest should start in late July.

Louisiana: Recent rains have improved crop prospects. Harvest is active.

Oklahoma: Crop prospects are fair to good.

Texas: Heavy showers in late June interrupted harvest and reduced yield prospects. Harvest of the spring crop is near completion.

Colorado: Soil moisture is adequate. Warm temperatures have been favorable for crop development.
**TOMATOES FOR PROCESSING - Continued**

**New Mexico:** The crop is in good condition. Harvest is expected to start about August 1.

**Utah:** The crop is making normal growth.

**Washington:** Improved growing conditions have pushed development to nearly normal for this time in the season.

**California:** Some fields have poor stands because of low temperatures and wind shortly after planting. Fields that were replanted are later than normal but making good progress. Harvest is underway in southern areas and is expected to increase during July as the San Joaquin and Sacramento Valleys come into production.