## Report to the Oregon Processed Vegetable Commission 1992-1993

| 1. | <u>Title</u> :   | Cauliflower Variety Observation                          |
|----|------------------|--|
| 2. | Project Leaders: | J. R. Baggett, Horticulture<br>J. R. Stang, Horticulture |
| 3. | Project Status:  | Terminating June 30, 1993                                |
| 4. | Project Funding: | \$3,000<br>\$1,944 supplementary technical support       |

Funds were used primarily for research farm expenses and labor for transplanting, breeding, and harvesting.

## 5. <u>Objectives</u>:

Evaluate head quality, maturity time, and total yield of eight promising cauliflower varieties over a range of planting times; screen additional cauliflower varieties to identify those having suitable characteristics for processing.

## 6. <u>Report of Progress</u>:

Two replicated (4x) plantings of eight promising varieties were established using transplants produced in seedbeds on the OSU Vegetable Research Farm in Corvallis. Planting 1 was seeded May 22 and transplanted June 26. Planting 2 was seeded June 18 and transplanted July 24. Also on these dates, additional varieties were seeded and transplanted in unreplicated observation plots. Spacing of transplants was 1.5 feet within rows and 3 feet between rows. About 450 lb/acre of 12-29-10 fertilizer was banded prior to transplanting. Planting 1 was sidedressed with an additional 175 lbs/acre of urea six weeks after transplanting. Planting 2 was sidedressed with 50 lbs/acre of calcium nitrate five weeks after transplanting, and with an additional 150 lbs/acre of urea seven weeks after transplanting. Overhead irrigation was applied about once per week throughout the growing season. The distribution of water across the plots was uneven due to high winds. Consequently, some plots experienced water stress, especially during July and August.

Roughly 15 to 20 heads were harvested from each plot. Harvesting occurred weekly, the heads being cut at a stage of maturity considered comparable to industry standards. Data collected from heads included weight and dimensions, internal and external color, riciness, curd depth, head solidity, and chunkiness of the head structure.

The most promising variety in the replicated trials was Snowman. Compared to Snowball Y Improved, Snowman had larger heads of better color with much less riciness (Tables 1 and 2). On the other hand, Snowman heads had slightly lower ratings for solidity and chunkiness. The superiority of Snowman head quality was particularly noticeable at the June 26 planting. However, some heads of Snowman developed a slightly purplish fuzz. The maturity of Snowman was somewhat more concentrated than Snowball Y Improved and occurred 7 to 14 days later (Tables 3 and 4).

The head quality of Crystal, Olympus, and Snowflower was poor at the June 26 transplanting, and of marginally superior quality to Snowball Y Improved at the July 24 transplanting. The heads of Aubade varied widely in size, quality, and in the time of maturity. The June 26 planting of Lateman produced heads of good color and low riciness, but they received low scores for solidity and chunkiness.

The only promising variety in the observation trials was HMX 8180 (Tables 5 and 6). Its heads were comparable in quality to Snowman; however, they matured about one week later (Tables 7 and 8).

7. <u>Summary</u>:

Two replicated plantings of cauliflower were made to study the suitability of promising cauliflower varieties for processing. Snowman produced larger heads of better color and less riciness than the standard variety Snowball Y Improved. However, the heads of Snowman were slightly lower in solidity and chunkiness. The superiority of Snowman to Snowball Y Improved was greatest for the early (June 26) transplanting.

8. <u>Signatures</u>:

**Redacted for Privacy** 

Project Leaders:

Rédacted for Privacy<sup>()</sup>

Redacted for Privacy

Department Head:

| Variety            | Source <sup>2</sup> | Ext.<br>Color | Globe<br>Shape | Solid-<br>ity | Fuzzy | Ricey | Hollow | Core<br>Color | Ht. | Depth<br>(cm) | Curd<br>Chunki-<br>ness | Density <sup>3</sup><br>(g/cc) | Lbs/<br>Head | T/A <sup>4</sup> | Notes  |
|--------------------|---------------------|---------------|----------------|---------------|-------|-------|--------|---------------|-----|---------------|-------------------------|--------------------------------|--------------|------------------|--|
| Snowflower         | 1                   | 1.4           | 1.3            | 4.7           | 3.6   | 2.1   | 3.1    | 2.5           | 4.3 | 2.3           | 4.4                     | 0.44                           | 2.4          | 11.8             | early heads have poor quality  |
| Crystal            | 2                   | 1.8           | 1.2            | 4.8           | 4.3   | 2.7   | 3.9    | 3.9           | 4.2 | 2.2           | 4.7                     | 0.46                           | 2.1          | 10.4             | some external purple and internal green heads  |
| Snowman            | 3                   | 3.6           | 2.9            | 4             | 1.6   | 3.9   | 4.1    | 4.6           | 4   | 2.3           | 3.5                     | 0.45                           | 3.1          | 15.1             | some purple fuzz but otherwise beautiful color                                       |
| Olympus            | 1                   | 1.9           | 1.6            | 4.4           | 3.5   | 2.7   | 3.8    | 3.8           | 3.9 | 2.2           | 4                       | 0.43                           | 2.7          | 13.3             | some with leaves growing in curds  |
| Snowball 123       | 3                   | 1.6           | 1.2            | 4.6           | 3.6   | 1.9   | 3.3    | 3.3           | 4.3 | 2.6           | 4.5                     | 0.46                           | 2.3          | 11.1             | some purple fuzz, nice looking<br>at mid-harvest                                     |
| Lateman            | 4                   | 3.1           | 4.6            | 2.8           | 5     | 4.8   | 4.8    | 4.8           | 3.4 | 1.9           | 1.7                     | 0.37                           | 2.9          | 14.0             | curds shatter  |
| S88001             | 5                   | 2.7           | 2.4            | 3.5           | 1.3   | 3.9   | 4.9    | 5             | 3.3 | 2.1           | 3.3                     | 0.39                           | 2.4          | 11.7             | curds shatter, some internal green, sweet  |
| Aubade             | 6                   | 3.1           | 3.1            | 3.1           | 3.3   | 4     | 4.9    | 4.9           | 3.3 | 1.7           | 2.7                     | 0.41                           | 2.3          | 11.1             | sweet, mild, nice looking heads,<br>good internal color                              |
| Snowball Y<br>Imp. | 3                   | 2.2           | 1.7            | 4.6           | 3.3   | 2.7   | 3.3    | 3             | 4.4 | 2.3           | 4.6                     | 0.44                           | 2.4          | 11.5             | some heads with internal and<br>external purple, early heads<br>have leaves in curds |
| LSD at 5%          |                     | 1.3           | 0.9            | 0.9           | 1.3   | 1.4   | 1.0    | 0.9           | 1.2 | 0.5           | 0.9                     | 0.046                          | 0.6          | 2.8              |  |

Table 1. Cauliflower replicated trial, June 26 planting, head quality scores and yield, Corvallis, 1992.<sup>1</sup>

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<sup>1</sup>Transplanted 18" apart in rows 36" apart. All scores based on 1-5 scale with 5 best. All values are average of four replications with harvest date scores combined and weighted by the number of heads harvested at each date.

<sup>2</sup>Sources: 1 = Asgrow, 2 = Peto, 3 = Harris-Moran, 4 = Elsoms, 5 = Royal Sluis, 6 = Nickerson Zwaan. <sup>3</sup>Head density is a relative value calculated from head weight and the volume of a box created by measurements of width and depth of head. Five heads were measured at each harvest (or less if fewer were harvested).

<sup>4</sup>Tons/acre adjusted to 20 plants/plot.

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| Variety            | Source <sup>2</sup> | Ext.<br>Color | Globe<br>Shape | Solid-<br>ity | Fuzzy | Ricey | Hollow | Core<br>Color | Ht. | Depth<br>(cm) | Curd<br>Chunki-<br>ness | Density <sup>3</sup><br>(g/cc) | Lbs/<br>Head | T/A <sup>4</sup> | Notes  |
|--------------------|---------------------|---------------|----------------|---------------|-------|-------|--------|---------------|-----|---------------|-------------------------|--------------------------------|--------------|------------------|--|
| Snowflower         | 1                   | 3.1           | 2.1            | 3.9           | 4.1   | 3     | 3.9    | 4.2           | 3.4 | 1.7           | 3.9                     | 0.39                           | 2.6          | 12.7             | some external purple in early heads                    |
| Crystal            | 2                   | 3.5           | 2.1            | 4.4           | 4.9   | 3.9   | 3.9    | 4.5           | 3.3 | 2.1           | 4.5                     | 0.40                           | 2.4          | 11.6             |  |
| Snowman            | 3                   | 3.9           | 2.8            | 3.6           | 2.8   | 3.7   | 4.5    | 4.6           | 3.6 | 2.2           | 3.1                     | 0.40                           | 2.6          | 12.5             |  |
| Olympus            | 1                   | 2.9           | 2.3            | 3.5           | 4.3   | 2.7   | 4.1    | 4.2           | 3.8 | 1.8           | 3.7                     | 0.37                           | 2.8          | 13.7             |  |
| Snowball 123       | 3                   | 2.8           | 1.9            | 4             | 4.3   | 2.7   | 3.6    | 4             | 3.6 | 1.9           | 4.1                     | 0.40                           | 2.6          | 12.5             |  |
| Lateman            | 4                   | 3.1           | 3.6            | 2.7           | 5     | 3.8   | 4.7    | 4.9           | 3.1 | 1.9           | 2.5                     | 0.35                           | 2.4          | 11.7             |  |
| Aubade             | 5                   | 2.6           | 1.2            | 3             | 4.7   | 4.4   | 5      | 5             | 4.1 | 1.8           | 3.7                     | 0.38                           | 1.7          | 8.1              | late heads with leaves within curds and internal green |
| Snowball Y<br>Imp. | 3                   | 2.8           | 1.9            | 4.1           | 3.7   | 2.9   | 3.7    | 3.9           | 3.5 | 2             | 3.9                     | 0.39                           | 2.1          | 10.3             | late heads had internal green                          |
| LSD at 5%          |                     | NS            | 0.8            | 0.5           | 0.5   | 0.7   | 0.9    | NS            | NS  | NS            | 0.5                     | NS                             | 0.5          | 2.3              |  |

Table 2. Cauliflower replicated trial, July 24 planting, head quality scores and yield, Corvallis, 1992.<sup>1</sup>

<sup>1</sup>Transplanted 18" apart in rows 36" apart. All scores based on 1-5 scale with 5 best. All values are average of four replications with harvest date scores combined and weighted by the number of heads harvested at each date.

<sup>2</sup>Sources: 1 = Asgrow, 2 = Peto, 3 = Harris-Moran, 4 = Elsoms, 5 = Nickerson Zwaan. <sup>3</sup>Head density is a relative value calculated from head weight and the volume of a box created by measurements of width and depth of head. Five heads were measured at each harvest (or less if fewer were harvested).

<sup>4</sup>Tons/acre adjusted to 20 plants/plot.

|                 |    | <del>کرانکنی سے</del> سے |    |    | Davs | from Tr  | ansplant      | ing      |     |          |     |     |
|-----------------|----|--------------------------|----|----|------|----------|---------------|----------|-----|----------|-----|-----|
| Variety         | 61 | 68                       | 75 | 82 | 89   | 96       | 103           | 110      | 117 | 124      | 131 | 138 |
| Snowflower      |    |                          | 5  | 26 | 36   | 12       | 9             | 8        | 1   | 4        |     | ļ   |
|                 |    |                          |    | 6  | 31   | 27       | 12            | 6        | 12  | 5        |     |     |
| Crystal         |    | +                        |    |    | 19   | 15       | 24            | 17       | 19  | 3        |     |     |
| Snowman         |    | +                        |    |    | 12   | 18       | 20            | 16       | 14  | 12       | 3   | 3   |
| Olympus         |    |                          |    | 24 | 34   | 18       | 9             | <u> </u> |     | 1        |     | 1   |
| Snowball 123    |    |                          |    |    |      | 16       | 21            | 34       | 18  | 7        | 4   |     |
| Lateman         |    | <b> </b>                 |    | +  |      |          | +             |          |     |          | 1   |     |
| S88001          | 10 | 15                       |    | 9  |      | <u> </u> | <del>- </del> |          |     | <u> </u> | 1   | +   |
| Aubade          | 22 | 15                       | 23 | 12 | 9    | 6        | 4             |          |     | <u> </u> |     | +   |
| Snowball Y Imp. |    | 4                        | 8  | 9  | 32   | 22       | 9             | 9        | 4   | 1        | 1   | 1   |

Table 3. Percent of total cauliflower heads harvested on harvest days, replicated varieties, June 26 planting, Corvallis, 1992.<sup>1</sup>

<sup>1</sup>Percentage based on total of four replications.

|                 | Days from Transplanting |    |            |    |    |     |     |     |     |  |  |  |  |
|-----------------|-------------------------|----|------------|----|----|-----|-----|-----|-----|--|--|--|--|
| Variety         | 69                      | 76 | 83         | 90 | 97 | 104 | 111 | 118 | 125 |  |  |  |  |
| Snowflower      | 1250                    |    | 10 M       | 2  | 25 | 22  | 44  | 6   |     |  |  |  |  |
| Crystal         |                         |    | the marine | 4  | 24 | 35  | 24  | 8   | 4   |  |  |  |  |
| Snowman         |                         |    |            |    | 2  | 8   | 44  | 40  | 6   |  |  |  |  |
| Olympus         |                         |    |            |    | 2  | 14  | 42  | 18  | 24  |  |  |  |  |
| Snowball 123    |                         |    |            | 3  | 31 | 42  | 21  | 3   |     |  |  |  |  |
| Lateman         |                         |    |            |    | 10 | 59  | 32  |     |     |  |  |  |  |
| Aubade          | 56                      | 21 | 13         | 4  | 2  | 2   | 767 | 2   |     |  |  |  |  |
| Snowball Y Imp. |                         | 2  | 2          | 18 | 8  | 29  | 27  | 9   | 6   |  |  |  |  |

 Table 4.
 Percent of total cauliflower heads harvested on harvest days, replicated varieties, July 24 planting, Corvallis, 1992.<sup>1</sup>

<sup>1</sup>Percentage based on total of four replications.

| Variety     | Source <sup>2</sup> | Ext.<br>Color | Globe<br>Shape | Solid-<br>ity | Fuzzy | Ricey | Hollow | Core<br>Color | Ht. | Depth<br>(cm) | Curd<br>Chunki-<br>ness | Density <sup>3</sup><br>(g/cc) | Lbs/<br>Head | T/A4 |  |
|-------------|---------------------|---------------|----------------|---------------|-------|-------|--------|---------------|-----|---------------|-------------------------|--------------------------------|--------------|------|--|
| Mariposa    | 1                   | 2.8           | 4.2            | 2.9           | 5.0   | 5.0   | 5      | 5             | 45  | 20            | 22                      | (6/00)                         | IIcau        | 1/A  | Notes  |
| HMX 8180    | 2                   | 3.7           | 3.3            | 4.1           | 3.3   | 4.8   | 48     | 10            | 1.5 | 2.0           | 2.2                     | 0.36                           | 2.9          | 14.0 |  |
| Ravella     | 1                   | 2.6           | 37             | 25            | 0.5   |       | 1.0    | 4.9           | 2.2 | 2.4           | 4.0                     | 0.43                           | 3.1          | 15.1 | very good quality; resembles<br>Snowman  |
| McKinley    | 1                   | 3.8           | 16             | 2.5           | 0.5   | 4.0   | 5      | 5             | 1.8 | 2.1           | 3.1                     | 0.37                           | 2.1          | 9.9  | extremely fuzzy: early heads the   |
| HMX 8178    | 2                   | 27            | 4.0            | 2.8           | 1.7   | 4.8   | 5      | 5             | 3.5 | 2.2           | 2.0                     | 0.40                           | 4.2          | 20.3 | good wrapper leaves; excellent   |
| Cumberland  |                     | 3.1           | 3.1            | 2.7           | 4.9   | 4.9   | 5      | 5             | 4.5 | 2.5           | 1.6                     | 0.32                           | 22           | 15.0 | Internal color; curds shatter  |
| Cumberland  |                     | 3.4           | 4.0            | 2.5           | 4.9   | 5     | 5      | 5             | 4.1 | 20            | 27                      | 0.52                           | 3.2          | 15.5 | curds shatter  |
| PSX 518789  | 3                   | 2.9           | 4.5            | 2.3           | 4.1   | 4.7   | 5      | 5             | 22  | 1.0           | 2.1                     | 0.37                           | 2.7          | 13.0 | good flavor  |
| Tofar       | 4                   | 2.5           | 4.1            | 2.3           | 33    | 3.8   | 5      |               | 5.2 | 1.9           | 2.1                     | 0.36                           | 3.1          | 15.1 | mild flavor  |
| Starbrite Y | 5                   | 2.8           | 3.3            | 17            | 32    | 17    |        | - 3           | 3.3 | 1.7           | 1.5                     | 0.33                           | 3.6          | 17.4 |  |
| Rushmore    | 1                   | 1.7           | 20             | 25            | 3.2   | 4./   | 5      | 5             | 2   | 1.9           | 2.5                     | 0.29                           | 2.1          | 10.1 | mild flavor: not a processing to a   |
| Fargo       | 4                   | 20            | 4.5            | 2.5           | 2.3   | 4.6   | 4.5    | 5             | 2.8 | 2.0           | 2.7                     | 0.39                           | 1.5          | 73   | very small band  |
| 8-          | and and             | 5.0           | 4.9            | 1.9           | 4.0   | 3.8   | 5      | 5             | 3.1 | 2.1           | 2.3                     | 0.31                           | 20           | 12.7 | very small heads   |
| IMX 8179    | 2                   | 2.5           | 3.3            | 1.6           | 4.6   | 37    | -      | -             | -   |               |                         | 0.51                           | 2.0          | 13.7 | may be a good fresh market type;<br>not a processing type  |
| SX 500485   | 3                   | 22            | 12             | 20            |       |       | 3      | 3             | 5   | 1.1           | 1.2                     | 0.31                           | 2.2          | 10.6 | shallow curds; low solidity but  |
|             |                     |               | 4.2            | 3.0           | 5     | 4     | 5      | 5             | 4.4 | 2.1           | 2                       | 0.38                           | 20           | 12.0 | in the second se |

## Cauliflower head quality scores and yield, observation plots, June 26 planting, Corvallis, 1992.<sup>1</sup> Table 5.

<sup>1</sup>Transplanted 18" apart in rows 36" apart. All scores based on 1-5 scale with 5 best. All values are average of harvest date scores combined and weighted by the number of heads

<sup>2</sup>Sources: 1 = Royal Sluis, 2 = Harris-Moran, 3 = Peto, 4 = Bejo, 5 = Abbott and Cobb. <sup>3</sup>Head density is a relative value calculated from head weight and the volume of a box created by measurements of width and depth of head. Five heads were measured at each

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| Variety     | Source <sup>2</sup> | Ext.<br>Color | Globe<br>Shape | Solid-<br>ity | Fuzzy | Ricey | Hollow | Core<br>Color | Ht. | Depth<br>(cm) | <u>Curd</u><br>Chunki-<br>ness | Density <sup>3</sup><br>(g/cc) | Lbs/<br>Head | T/A <sup>4</sup> | Notes   |
|-------------|---------------------|---------------|----------------|---------------|-------|-------|--------|---------------|-----|---------------|--------------------------------|--------------------------------|--------------|------------------|---|
| Mariposa    | 1                   | 2.5           | 3.9            | 2.1           | 5     | 4.3   | 5      | 5             | 2.8 | 1.3           | 1                              | 0.34                           | 2.5          | 12.3             |   |
| HMX 8180    | 2                   | 4             | 3.8            | 3.5           | 5     | 4.9   | 5      | 5             | 4.6 | 2.3           | 3.9                            | 0.40                           | 2.6          | 12.7             |   |
| Ravella     | 1                   | 3.3           | 4.1            | 2.2           | 4.7   | 5     | 5      | 5             | 2.2 | 1.5           | 2.4                            | 0.34                           | 2.6          | 12.4             | internal green                                |
| McKinley    | 1                   | 3.5           | 2.8            | 2.6           | 2.9   | 2.2   | 5      | 5             | 2.6 | 1.9           | 2.3                            | 0.36                           | 3.7          | 15.4             |   |
| HMX 8178    | 2                   | 3.6           | 2.8            | 1.2           | 2.7   | 4.5   | 5      | 5             | 2.8 | 0.8           | 0.7                            | 0.30                           | 2.7          | 13.0             |   |
| Cumberland  | 1                   | 3.1           | 4.7            | 2.8           | 5     | 4.5   | 5      | 5             | 3.2 | 1.9           | 2.8                            | 0.40                           | 2.7          | 13.3             |   |
| PSX 518789  | 3                   | 2.6           | 4.2            | 2.2           | 5     | 4.2   | 4.4    | 5             | 4.3 | 1.7           | 2.3                            | 0.33                           | 2.8          | 13.6             |   |
| Tofar       | 4                   | 2.4           | 3.7            | 1.7           | 5     | 2.6   | 5      | 5             | 1.1 | 1.1           | 1                              | 0.27                           | 2.9          | 13.8             |   |
| Starbrite Y | 5                   | 3.5           | 3.9            | 1.1           | 5     | 3.8   | 5      | 5             | 2.5 | 1.2           | 1.2                            | 0.30                           | 2.8          | 13.5             |   |
| Rushmore    | 1                   | 2.8           | 2.9            | 1.8           | 5     | 4.9   | 5      | 5             | 2   | 1.2           | 1.7                            | 0.31                           | 2.4          | 11.6             |   |
| Fargo       | 4                   | 2.5           | 3              | 2.1           | 5     | 4.5   | 5      | 5             | 2.3 | 2.1           | 2.2                            | 0.32                           | 3.3          | 15.7             |   |
| HMX 8179    | 2                   | 2.9           | 2.5            | 1.9           | 5     | 4.9   | 5      | 5             | 1.9 | 1.1           | 1.9                            | 0.35                           | 2.7          | 13.0             |   |
| PSX 500485  | 3                   | 2             | 3              | 1.7           | 5     | 2.9   | 5      | 5             | 3.5 | 1.3           | 1.2                            | 0.32                           | 2.7          | 13.0             | some internal green                           |
| Snowpak     | 3                   | 2.7           | 1.3            | 1.7           | 4.3   | 4.3   | 5      | 5             | 2.3 | 1.9           | 1.7                            | 0.39                           | 2.5          | 12.3             |   |
| S88001      | 1                   | 3.1           | 2.4            | 2.9           | 3.6   | 3.9   | 5      | 5             | 3.6 | 1.5           | 2.7                            | 0.37                           | 2.9          | 14.2             | some internal green                           |
| Batsman     | 4                   | 2.4           | 3.5            | 3.5           | 5     | 5     | 5      | 5             | 4.2 | 3.4           | 3.8                            | 0.43                           | 1.8          | 8.5              | sweet and mild, may be good fresh market type |

Table 6. Cauliflower head quality scores and yield, observation plots, July 24 planting, Corvallis, 1992.<sup>1</sup>

<sup>1</sup>Transplanted 18" apart in rows 36" apart. All scores based on 1-5 scale with 5 best. All values are average of harvest date scores combined and weighted by the number of heads harvested at each date.

<sup>2</sup>Sources: 1 = Royal Sluis, 2 = Harris-Moran, 3 = Peto, 4 = Bejo, 5 = Abbott and Cobb. <sup>3</sup>Head density is a relative value calculated from head weight and the volume of a box created by measurements of width and depth of head. Five heads were measured at each harvest (or less if fewer were harvested). <sup>4</sup>Tons/acre adjusted to 20 plants/plot.

| Variety     | 61 | 68           | 75      | Da<br>82 | ys from 7 | ransplan | ting<br>102 | 110 | 117 | 124 | Total No. |
|-------------|----|--------------|---------|----------|-----------|----------|-------------|-----|-----|-----|-----------|
|             |    | <del>7</del> | 75<br>T | 02       | 09        | 90       | 105         | 110 | 11/ | 124 | Heads     |
| Mariposa    |    |              |         |          | 30        | 20       | 45          |     | 5   |     | 20        |
| HMX 8180    |    |              |         |          | 5         | 16       | 16          | 32  | 26  | 5   | 19        |
| Ravella     | 5  | 21           | 26      | 32       | 16        |          |             |     |     |     | 19        |
| McKinley    |    |              |         |          | 11        | 47       | 16          | 21  | 5   |     | 19        |
| HMX 8178    |    |              |         |          | 60        | 25       | 10          | 5   |     |     | 20        |
| Cumberland  |    |              | 10      | 20       | 30        | 25       | 15          |     |     |     | 20        |
| PSX 518789  |    | 5            |         | 20       | 45        | 15       | 10          |     |     | 5   | 20        |
| Tofar       |    |              | 5       | 15       | 45        | 20       | 10          | 5   |     |     | 20        |
| Starbrite Y |    | 29           | 29      | 19       | 19        | 4        |             |     |     |     | 21        |
| Rushmore    | 5  | 30           | 45      |          | 15        |          |             |     |     |     | 20        |
| Fargo       |    | 4            | 10      | 24       | 24        | 14       | 10          | 14  |     |     | 21        |
| HMX 8179    |    |              |         |          | 11        | 11       | 33          | 28  | 17  |     | 18        |
| PSX 500485  |    |              |         |          |           |          | 45          | 30  | 20  | 5   | 20        |

Table 7.Percent of total cauliflower heads harvested on harvest days, observation plots, June 26 planting, Corvallis, 1992.

|             |    |    |    | Days fro | om Transp | lanting |     |     |     | Total No. |
|-------------|----|----|----|----------|-----------|---------|-----|-----|-----|-----------|
| Variety     | 69 | 76 | 83 | 90       | 97        | 104     | 111 | 118 | 125 | Heads     |
| Mariposa    |    |    |    | 10       | 5         | 55      | 30  |     |     | 20        |
| HMX 8180    |    |    |    |          |           |         |     | 10  | 90  | 10        |
| Ravella     |    | 5  | 26 | 53       |           | 16      |     |     |     | 19        |
| McKinley    |    |    |    |          | 12        | 53      | 24  | 12  |     | 17        |
| HMX 8178    |    |    |    | 42       | 42        | 11      | 5   |     |     | 19        |
| Cumberland  |    |    | 13 | 47       | 33        |         |     |     |     | 15        |
| PSX 518789  |    |    | 11 | 42       | 26        | 16      | 5   |     |     | 19        |
| Tofar       |    |    |    | 6        | 22        | 56      | 17  |     |     | 18        |
| Starbrite Y |    | 5  | 37 | 53       | 5         |         |     |     |     | 19        |
| Rushmore    |    | 5  |    | 68       | 21        | 5       |     |     |     | 19        |
| Fargo       |    |    |    | 15       | 60        | 25      |     |     |     | 20        |
| HMX 8179    |    |    |    |          | 85        | 15      |     |     |     | 20        |
| PSX 500485  |    |    |    |          | 47        | 53      |     |     |     | 19        |
| Snowpak     |    |    |    |          | 33        | 67      |     |     |     | 18        |
| S88001      |    | 25 | 8  | 33       | 8         | 17      | 8   |     |     | 12        |
| Batsman     |    |    |    |          | 5         | 21      | 47  | 16  | 11  | 19        |

Table 8.Percent of total cauliflower heads harvested on harvest days, observation plots, July 24 planting, Corvallis, 1992.

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