2001

Progress Report

REGIONAL ALMOND VARIETY TRIALS

Planted in 1993

University of California
# TABLE OF CONTENTS

Regional Almond Variety Trials: Background, Locations, Varieties Included, Details of Trials, Data Being Collected, Notes and Observations on the 2001 Season, Contributors ................................................................. 2-4

2001 Bloom Data
- CSU-Chico ................................................. 5-7
- Delta College ............................................... 8
  - Bloom Rainfall ........................................... 9
- Kern .......................................................... 10-11

2001 Maturity Data
- CSU-Chico .................................................. 12
- Delta College ............................................... 13
- Kern .......................................................... 14-15

2001 Yield, Individual Kernel Weight and Shelling Percentage Summary
- CSU-Chico .................................................. 16
- Delta College ............................................... 17
- Kern .......................................................... 18

Annual and Accumulative Yield Summary
- CSU-Chico .................................................. 19
- Delta College ............................................... 20
- Kern .......................................................... 21

2001 Kernel Defects ........................................... 22-23

Alternaria Leafspot Ratings--Kern ............................... 24

Hull Rot Ratings--Kern ....................................... 25
REGIONAL ALMOND VARIETY TRIALS

Planted in 1993

Bruce D. Lampinen, Joseph H. Connell, Paul Verdegaal, Mario Viveros, Samuel G. Metcalf, James T. Yeager, Mary Ann Thorpe, Thomas M. Gradziel and Warren C. Micke,

Background

Regional Almond Variety Trials (RAVTs) were designed to evaluate newer varieties in a semi-commercial (20 to 40 trees per variety) manner and to compare them to standard varieties such as Nonpareil, Mission and currently accepted pollenizers.

Previous RAVTs were established between 1974 and 1981 in Kern, Colusa, Butte, San Joaquin and Fresno Counties. These trials were planted over several years and had trees of different ages and variety combinations. Thus, the data from these earlier trials were not directly comparable and at this point data collection has ended.

1993 Trials

Three new RAVTs were established in 1993, and this leaflet presents data collected from these trials in 2001. These RAVTs are located in Butte County at the California State University at Chico farm (CSU-Chico), in San Joaquin County at the San Joaquin Delta College farm (Delta College) near Manteca and in Kern County at a Paramount Farming Company orchard (Kern) located south of Shafter and just off of 7th Standard road. At all locations signs are in place to identify each variety.

To be comparable, these three new trials were all planted in the same year and with essentially the same variety composition. Thus, any differences in varietal performance among various regions should become evident. The only differences in variety composition among these trials were that Fritz was not included at the CSU-Chico trial (it was in the previous trial at this location) and Dottie Won was added to the Delta College plot. Some trees were planted/replanted after 1993. A few trees of several varieties were not available in 1993, especially for the Delta College trial. Vandalism and a tornado destroyed a few trees at CSU-Chico and normal replanting has occurred at all planted on locations.

Varieties were planted on peach rootstock; Lovell for those at CSU-Chico and Nemaguard for trees in the Delta College and Kern plots. One exception, Kapareil, is being grown on both peach and peach-almond hybrid rootstocks at all locations, but data isn’t always included in this publication for the trees on peach-almond hybrid.

---

1Bruce D. Lampinen is Extension Specialist, University of California, Davis, Warren C. Micke is Extension Pomologist, Emeritus, University of California, Davis. Joseph H. Connell, Paul Verdegaal, and Mario Viveros, are University of California Farm Advisors in Butte, San Joaquin, and Kern Counties, respectively. Samuel G. Metcalf, James T. Yeager and Mary Ann Thorpe are Staff Research Associates with the Pomology Department, University of California, Davis. Thomas M. Gradziel is Associate Professor of Pomology, University of California, Davis.
The Kern plot is planted on a Milham sandy loam soil and is irrigated with a drip system (it was irrigated with micro-sprinklers prior to 1999). The trial at CSU-Chico is on a Vina loam soil and is irrigated with solid-set sprinklers. The Delta College trial is on a Delhi loamy sand soil and is flood irrigated. Probably as a result of the coarse textured soil and flood irrigation, the trees in this latter trial are generally somewhat smaller than those in the other two RAVTs. In the Delta College trial there appears to be a sandier area in the middle of the orchard where trees are more subject to periodic moisture stress.

Varieties Included

Standard varieties are planted 1:1 with new varieties; Nonpareil for the early-mid blooming varieties and Mission for the late blooming varieties to ensure adequate pollination. In the Kern and Delta College trials, varieties are planted as a full row of 29 to 38 trees. The rows at CSU-Chico are longer so each row has three different variety sections, with 21 to 25 trees per section. In addition to Nonpareil and Mission, a plot of each of seven "new standard" varieties (other varieties commonly planted today) has been included. These new standard varieties are Butte, Carmel, Fritz (not at CSU-Chico), Monterey, Padre, Price and Sonora.

The new varieties being tested in these trials are Aldrich, Chips, Donna, Dottie Won (Delta College only), Kahl, Kapareil, Jenette, Jiml, Johlyn, Livingston, Morley, Plateau, Rosetta, Ruby, Sano, Savana, Wood Colony and Yokut. While several of these varieties are not new to the almond industry, they had not been adequately tested in the uniform RAVT concept. In addition six numbered selections from a University of California at Davis almond breeding program were included in these trials. These are 1-87, 1-102W, 2-19E, 2-43W, 13-1 and 25-75.

Data to be collected from these trials include bloom time, hullsplit/harvest time, yield, and nut quality. Trees in these trials are also being observed and evaluated for growth characteristics, pest and disease susceptibility and noninfectious bud failure symptoms.

2001 Data and Observations

This 2001 report includes information, on bloom time, hullsplit/harvest time, yields, shelling percentage (percent kernel) and kernel defects. In addition previous years and accumulated yield data are given. Some information on disease susceptibility is also included.

Bloom time weather was variable this spring. At the CSU-Chico trial, conditions were cold, windy and rainy throughout much of the bloom period. At the Delta trial, there was measurable rainfall on about 1/3 of the days during bloom. At the Kern trial, a windstorm with gusts up to 70 mph during the bloom period caused the loss of two Padre, three 2-43W and three Sonora trees.

Overall yield for all varieties was up
4% at the CSU-Chico trial, up 7% at the Delta trial, and up 19% at the Kern trial (Fig. 1).

In 2001, the CSU-Chico, Delta and Kern trials had 14, 22 and 10 varieties, respectively, with 6% or higher kernel doubles. The Kern trial had the most extensive worm damage with 25 varieties having 6% or higher worm damage while the CSU-Chico trial had six and Delta only had one variety with higher than 6% worm damage.

Over the last six years, Kahl, Sano and Plateau have had the most double kernels, all having as many or more than Monterey. Both Kahl and Donna have had eight percent or more blank kernels in at least one of the trials each year. Kapareil has had four percent or more worm damage every year in at least one trial.

Considerable splitting (breakage) and loss of scaffold limbs, and some entire trees, has occurred in both the CSU-Chico and Delta College trials. The exact cause of this splitting is uncertain, but it may be a result of the wide tree spacing and tree damage from a 1995 tornado at the CSU-Chico trial and the prevailing wind, heavy crops and lack of sufficient tree tying at the Delta College plot. Loss of scaffold limbs and trees have been taken into account in calculating per acre yields. Even without the above conditions, scaffold splitting may be a problem for the Aldrich variety with its upright growth habit and narrow crotch angles. Thus, this variety will require special care in tree training.

To date only Yokut at the CSU-Chico trial has shown any indication of possible noninfectious bud failure (BF) symptoms, and these symptoms might be due to a virus condition that mimics BF. No other variety in any of the three trials has shown any signs of BF. Selection 13-1 was released this year as Winters. It has shown good production (particularly at the CSU-Chico trial) and should be a good pollenizer for Nonpareil. However, the disease susceptibility, especially to *Alternaria* and *Anthracnose*, will have to be watched. Winters also had extensive worm damage at the CSU-Chico trial in 2001.

Acknowledgements

The authors wish to thank the Almond Board of California for helping with tree purchase and for continued support of this project. The following nurseries supplied trees at reduced cost for these trials: Bright's Nursery, Burchell Nursery, Dave Wilson Nursery, Fowler Nursery, Sierra Gold Nurseries and Spoto Nursery. We particularly want to express our appreciation and thanks to the staffs of California State University at Chico, San Joaquin Delta College and Paramount Farming Company for excellent cooperation in managing and maintaining these trials. The assistance of retired farm advisor Donald Rough, Cooperative Extension field assistants in Kern, Butte and San Joaquin Counties and field personnel of the University of California Pomology Department is gratefully acknowledged.
## ALMOND REGIONAL VARIETY TRIAL - 2001 BLOOM

Planted in 1993 at the California State University Farm, Chico

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2/12</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/14</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/16</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/20</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/24</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/28</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/10</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/14</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/18</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/22</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/26</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/30</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dashed line encompasses 1 to 100% bloom, solid line covers 10 to 90% bloom, full bloom date marked with a 1 = 80% bloom.

1/ Good Bee Hours = total daylight hours between 1% bloom on Sonora and 100% bloom on Mission when temperatures are ≥ 59 F, wind ≤ 10 mph, and no rain.

This is a cooperative project between The Almond Board of California, California State University-Chico, and University of California Cooperative Extension. Prepared by Joseph H. Connell, U.C. Farm Advisor, Butte County. 11/20/01.
# Full Bloom Timing -- CSU Chico, Regional Variety Trial

<table>
<thead>
<tr>
<th>Variety</th>
<th># Days before or after Nonpareil Full Bloom</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sano</td>
<td>-12</td>
<td>-4</td>
</tr>
<tr>
<td>Kapareil</td>
<td>-11</td>
<td>-2</td>
</tr>
<tr>
<td>Kapareil/PA</td>
<td>-8</td>
<td>-3</td>
</tr>
<tr>
<td>Sonora</td>
<td>-8</td>
<td>-6</td>
</tr>
<tr>
<td>Donna</td>
<td>-6</td>
<td>-4</td>
</tr>
<tr>
<td>Rosetta</td>
<td>-4</td>
<td>-4</td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>-4</td>
<td>-6</td>
</tr>
<tr>
<td>Aldrich</td>
<td>-3</td>
<td>0</td>
</tr>
<tr>
<td>Jiml</td>
<td>-2</td>
<td>0</td>
</tr>
<tr>
<td>Jenette</td>
<td>-1</td>
<td>3</td>
</tr>
</tbody>
</table>

| Nonpareil      | 0    | 0    | 0    | 0    | 0    | 0    | 0.0  |
| Wood Colony    | 0    | -1   | 7    | 2    | 2    | 0    | 1.7  |
| Chips          | 0    | -2   | -1   | -1   | -2   | -2   | -1.3 |
| Kahl           | 0    | 1    | 5    | 3    | 1    | 2    | 2.0  |
| Plateau        | 0    | 0    | 8    | 4    | 4    | 1    | 2.8  |
| 2-43W          | 1    | 0    | 9    | 5    | 7    | ---  | 4.4  |
| Johlyn         | 1    | 6    | 3    | 4    | 0    | 2    | 2.7  |
| Price          | 2    | 0    | 3    | 1    | -1   | -1   | 0.7  |
| Monterey       | 2    | 0    | 6    | 4    | 0    | 2    | 2.3  |
| Carmel         | 2    | 1    | 6    | 2    | 0    | -1   | 1.7  |
| Yokut          | 2    | -2   | 4    | 2    | 0    | 0    | 1.0  |

| 2-19E          | 3    | 6    | 5    | 5    | 4    | 3    | 4.3  |
| Butte          | 3    | 6    | 8    | 6    | 4    | 0    | 4.5  |
| Livingston     | 4    | 4    | 7    | 10   | 7    | 4    | 6.0  |
| 1-102W         | 4    | 6    | 8    | 3    | 6    | ---  | 5.4  |
| Padre          | 4    | 8    | 9    | 6    | 4    | 0    | 5.2  |
| Mission        | 4    | 8    | 10   | 6    | 6    | 5    | 6.5  |
| 1-87           | 4    | 11   | 8    | 5    | 4    | 5    | 6.2  |
| Ruby           | 6    | 11   | 17   | 10   | 10   | 6    | 10.0 |
| Morley         | 6    | 11   | 19   | 18   | 16   | 12   | 13.7 |
| 25-75          | 11   | 13   | 10   | 12   | 15   | 9    | 11.7 |
| Savannah       | 11   | 17   | 20   | 18   | 17   | 12   | 15.8 |

**Good Bee Hours**

| Good Bee Hours | 77 | 74 | 43 | 37 | 24 | 42 |

---

1/ Full bloom as defined here equals the day when 80% of the flowers are open.

2/ Good bee hours = total daylight hours between 1% bloom on Sonora and 100% bloom on Mission when temperatures are ≥ 59°F, wind ≤ 10 mph, and no rain.

**Bloom Conditions**

- **1996**: Cold, rainy & windy prior to Nonpareil full bloom, excellent weather from then on.
- **1997**: A low chilling year, cool during entire blooming period but generally good weather.
- **1998**: Cold, rainy & windy through much of bloom, a few good days for Butte through Mission bloom.
- **1999**: Cold throughout bloom, 1 good day each at Sonora & Carmel full bloom, 3 good days for last 10% of late varieties
- **2000**: Cold, windy & rainy throughout bloom, 3 ok days around Sonora full bloom, 1 good day after Butte full bloom.
- **2001**: Cold, windy & rainy throughout bloom, 3 good days Winters-Nonpareil full bloom, 2 good days-last 10% of late varieties.
## Bloom Density -- CSU Chico, Regional Variety Trial

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sano</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Kapareil</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Kapareil/PA</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Sonora</td>
<td>4</td>
<td>2</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Donna</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Rosetta</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Aldrich</td>
<td>4</td>
<td>5</td>
<td>3</td>
<td>5</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Jiml</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Jenette</td>
<td>4</td>
<td>5</td>
<td>3</td>
<td>5</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Chips</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Kahl</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Plateau</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>2-43W</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>---</td>
</tr>
<tr>
<td>Johlyn</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Price</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Monterey</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Carmel</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Yokut</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2-19E</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>5</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Butte</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Livingston</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>1-102W</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>---</td>
</tr>
<tr>
<td>Padre</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Mission</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>1-87</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Ruby</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Morley</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>25-75</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Savana</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

* The density of bloom is rated annually for each variety on a subjective scale of 1 to 5 with a rating of 5 being the heaviest bloom. Consistency of bloom from one year to the next and tendencies toward alternate bloom/bearing may be indicated by these ratings.
## SAN JOAQUIN DELTA COLLEGE
REGIONAL ALMOND VARIETY TRIAL
2001 RAINFALL
MANTECA

<table>
<thead>
<tr>
<th>February</th>
<th>Rain (inches)</th>
<th>Air Temperature</th>
<th></th>
<th>March</th>
<th>Rain (inches)</th>
<th>Air Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Max</td>
<td>Min</td>
<td>Wind &gt; 5 mph</td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>58</td>
<td>32</td>
<td></td>
<td>0</td>
<td>62</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>59</td>
<td>32</td>
<td></td>
<td>0</td>
<td>55</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>65</td>
<td>39</td>
<td></td>
<td>0</td>
<td>55</td>
</tr>
<tr>
<td>4</td>
<td>0</td>
<td>70</td>
<td>43</td>
<td></td>
<td>1</td>
<td>61</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
<td>67</td>
<td>36</td>
<td></td>
<td>0</td>
<td>61</td>
</tr>
<tr>
<td>6</td>
<td>0</td>
<td>57</td>
<td>39</td>
<td>8.5</td>
<td>0</td>
<td>68</td>
</tr>
<tr>
<td>7</td>
<td>0</td>
<td>56</td>
<td>37</td>
<td>9.4</td>
<td>0</td>
<td>69</td>
</tr>
<tr>
<td>8</td>
<td>0</td>
<td>56</td>
<td>31</td>
<td>5.3</td>
<td>0</td>
<td>61</td>
</tr>
<tr>
<td>9</td>
<td>0.12</td>
<td>51</td>
<td>44</td>
<td>7.6</td>
<td>0</td>
<td>61</td>
</tr>
<tr>
<td>10</td>
<td>0.08</td>
<td>52</td>
<td>42</td>
<td>7.6</td>
<td>0</td>
<td>64</td>
</tr>
<tr>
<td>11</td>
<td>0.24</td>
<td>54</td>
<td>41</td>
<td>8.6</td>
<td>0</td>
<td>64</td>
</tr>
<tr>
<td>12</td>
<td>0</td>
<td>54</td>
<td>37</td>
<td>6.6</td>
<td>0</td>
<td>69</td>
</tr>
<tr>
<td>13</td>
<td>0</td>
<td>58</td>
<td>37</td>
<td>7.0</td>
<td>0</td>
<td>70</td>
</tr>
<tr>
<td>14</td>
<td>0</td>
<td>58</td>
<td>33</td>
<td></td>
<td>0</td>
<td>70</td>
</tr>
<tr>
<td>15</td>
<td>0</td>
<td>59</td>
<td>31</td>
<td></td>
<td>0</td>
<td>62</td>
</tr>
<tr>
<td>16</td>
<td>0</td>
<td>63</td>
<td>35</td>
<td></td>
<td>0</td>
<td>67</td>
</tr>
<tr>
<td>17</td>
<td>0</td>
<td>57</td>
<td>46</td>
<td>5.1</td>
<td>0</td>
<td>74</td>
</tr>
<tr>
<td>18</td>
<td>0.08</td>
<td>63</td>
<td>42</td>
<td>5.2</td>
<td>0</td>
<td>76</td>
</tr>
<tr>
<td>19</td>
<td>0.20</td>
<td>60</td>
<td>48</td>
<td>8.5</td>
<td>0</td>
<td>79</td>
</tr>
<tr>
<td>20</td>
<td>0</td>
<td>59</td>
<td>48</td>
<td>7.0</td>
<td>0</td>
<td>81</td>
</tr>
<tr>
<td>21</td>
<td>0.12</td>
<td>60</td>
<td>47</td>
<td>8.2</td>
<td>0</td>
<td>76</td>
</tr>
<tr>
<td>22</td>
<td>0.39</td>
<td>57</td>
<td>41</td>
<td>6.1</td>
<td>0</td>
<td>69</td>
</tr>
<tr>
<td>23</td>
<td>0.12</td>
<td>54</td>
<td>43</td>
<td>6.7</td>
<td>0</td>
<td>70</td>
</tr>
<tr>
<td>24</td>
<td>0.71</td>
<td>50</td>
<td>44</td>
<td>11.0</td>
<td>0.12</td>
<td>74</td>
</tr>
<tr>
<td>25</td>
<td>0</td>
<td>62</td>
<td>46</td>
<td></td>
<td>0.04</td>
<td>67</td>
</tr>
<tr>
<td>26</td>
<td>0</td>
<td>61.3</td>
<td>45</td>
<td></td>
<td>0</td>
<td>69</td>
</tr>
<tr>
<td>27</td>
<td>0</td>
<td>68</td>
<td>39</td>
<td>5.0</td>
<td>0</td>
<td>74</td>
</tr>
<tr>
<td>28</td>
<td>0</td>
<td>60</td>
<td>33</td>
<td></td>
<td>0</td>
<td>77</td>
</tr>
</tbody>
</table>

Rainfall subtotal for:
- January: 2.87
- February: 2.05
- March: 1.38
- Total: 6.30

Shaded dates = Bloom period
### EFFECTIVE BLOOM PERIOD
Kern RVT - Paramount Farming Company

#### Early Blooming Varieties

<table>
<thead>
<tr>
<th>Variety</th>
<th>Bloom Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sano</td>
<td>02-06</td>
</tr>
<tr>
<td>Kaparcel</td>
<td>02-18</td>
</tr>
<tr>
<td>Rosetta</td>
<td>02-13</td>
</tr>
<tr>
<td>Sonora</td>
<td>02-16</td>
</tr>
<tr>
<td>13-1</td>
<td>02-20</td>
</tr>
</tbody>
</table>

#### Mid-Season Blooming Varieties

<table>
<thead>
<tr>
<th>Variety</th>
<th>Bloom Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonpareil</td>
<td>02-20</td>
</tr>
<tr>
<td>Price</td>
<td>02-20</td>
</tr>
<tr>
<td>Jenette</td>
<td>02-20</td>
</tr>
<tr>
<td>Yokut</td>
<td>02-18</td>
</tr>
<tr>
<td>Johlyn</td>
<td>02-18</td>
</tr>
<tr>
<td>Plateau</td>
<td>02-22</td>
</tr>
<tr>
<td>Chips</td>
<td>02-18</td>
</tr>
<tr>
<td>Kahl</td>
<td>02-18</td>
</tr>
<tr>
<td>Fritz</td>
<td>02-20</td>
</tr>
<tr>
<td>Monterey</td>
<td>02-22</td>
</tr>
<tr>
<td>Aldrich</td>
<td>02-17</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>02-20</td>
</tr>
<tr>
<td>1-102W</td>
<td>02-25</td>
</tr>
<tr>
<td>Jim1</td>
<td>02-18</td>
</tr>
<tr>
<td>Donna</td>
<td>02-20</td>
</tr>
<tr>
<td>Carmel</td>
<td>02-22</td>
</tr>
<tr>
<td>2-19E</td>
<td>02-22</td>
</tr>
<tr>
<td>2-43W</td>
<td>02-24</td>
</tr>
<tr>
<td>Variety</td>
<td>Bloom Period</td>
</tr>
<tr>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>Butte</td>
<td>02-24</td>
</tr>
<tr>
<td>Livingston</td>
<td>02-26</td>
</tr>
<tr>
<td>Padre</td>
<td>02-25</td>
</tr>
<tr>
<td>1-87</td>
<td>02-27</td>
</tr>
<tr>
<td>25-75</td>
<td>02-27</td>
</tr>
<tr>
<td>Mission</td>
<td>02-25</td>
</tr>
<tr>
<td>Ruby</td>
<td>02-28</td>
</tr>
<tr>
<td>Morley</td>
<td>03-06</td>
</tr>
<tr>
<td>Savanna</td>
<td>03-01</td>
</tr>
</tbody>
</table>

**Bloom Observations**

**Good Blooming Varieties:** Chips, Jenette, Sano, Yokut, Plateau, Fritz, 2-43W, Kapareil, Aldrich, Carmel, Monterey, Butte, Ruby, Rosseta and Padre.

**Average Blooming Varieties:** Kahl, Nonpareil, Wood Colony, Mission, Livingston, 2-19E and 1-87.

**Poor Blooming Varieties:** Johlyn, Sonora, 13-1, Price, Jiml, 1-102W, 25-75 and Donna.

**Chilling Hours:** 750.

**Wind Storm:** It took place March 3. The wind gusted 70 mph and lasted more than 24 hrs. There were two Padres, three 2-43W’s and three Sonoras lost to this wind.
ALMOND REGIONAL VARIETY TRIAL - 2001 HARVEST MATURITY
Planted in 1993 at the California State University Farm, Chico

<table>
<thead>
<tr>
<th>July</th>
<th>5</th>
<th>12</th>
<th>19</th>
<th>26</th>
<th>August</th>
<th>7</th>
<th>12</th>
<th>22</th>
<th>31</th>
<th>September</th>
<th>7</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaparei</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaparei PA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonpareil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-19E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donna</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yokut</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roseata</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jimi</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25-75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sonora</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johnym</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jenette</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Price</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-87</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sano</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wood Colony</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plateau</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Livingston</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-1 (Winters)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morley</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savana</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Butte</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chips</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aldrich</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ruby</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Padre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carmel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kahl</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monterey</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mission</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dashed line encompasses 1 to 100% hullsplit. B denotes blanks beginning to split. S indicates that the variety was shaken to the ground at the time of observation. Three harvests were conducted this year to complete harvest in the entire block. This is a cooperative project between the Almond Board of California, California State University Chico, and University of California Cooperative Extension. Prepared by: Joseph H. Connell, U.C. Farm Advisor, Butte County. 10/19/01.
<table>
<thead>
<tr>
<th>Variety</th>
<th>10%</th>
<th>90%</th>
<th>Average Progression</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kapareil</td>
<td>24-Jul</td>
<td>25-Jul</td>
<td>1</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>24-Jul</td>
<td>25-Jul</td>
<td>2</td>
</tr>
<tr>
<td>Jiml</td>
<td>24-Jul</td>
<td>27-Jul</td>
<td>4</td>
</tr>
<tr>
<td>2-43W</td>
<td>25-Jul</td>
<td>10-Aug</td>
<td>6</td>
</tr>
<tr>
<td>Yokut</td>
<td>25-Jul</td>
<td>14-Aug</td>
<td>8</td>
</tr>
<tr>
<td>Sonora</td>
<td>25-Jul</td>
<td>8-Aug</td>
<td>5</td>
</tr>
<tr>
<td>Donna</td>
<td>26-Jul</td>
<td>12-Aug</td>
<td>9</td>
</tr>
<tr>
<td>Johlyn</td>
<td>27-Jul</td>
<td>14-Aug</td>
<td>3</td>
</tr>
<tr>
<td>Price</td>
<td>27-Jul</td>
<td>3-Aug</td>
<td>7</td>
</tr>
<tr>
<td>25-75</td>
<td>27-Jul</td>
<td>3-Aug</td>
<td>10</td>
</tr>
<tr>
<td>1-102W</td>
<td>27-Jul</td>
<td>14-Aug</td>
<td>24</td>
</tr>
<tr>
<td>Kahl</td>
<td>27-Jul</td>
<td>21-Aug</td>
<td>29</td>
</tr>
<tr>
<td>2-19E</td>
<td>28-Jul</td>
<td>14-Aug</td>
<td>18</td>
</tr>
<tr>
<td>Jenette</td>
<td>28-Jul</td>
<td>13-Aug</td>
<td>12</td>
</tr>
<tr>
<td>1-87</td>
<td>28-Jul</td>
<td>14-Aug</td>
<td>23</td>
</tr>
<tr>
<td>Rosetta</td>
<td>30-Jul</td>
<td>13-Aug</td>
<td>17</td>
</tr>
<tr>
<td>Morley</td>
<td>30-Jul</td>
<td>13-Aug</td>
<td>15</td>
</tr>
<tr>
<td>13-1</td>
<td>3-Aug</td>
<td>21-Aug</td>
<td>13</td>
</tr>
<tr>
<td>Aldrich</td>
<td>3-Aug</td>
<td>14-Aug</td>
<td>20</td>
</tr>
<tr>
<td>Plateau</td>
<td>3-Aug</td>
<td>21-Aug</td>
<td>16</td>
</tr>
<tr>
<td>Livingston</td>
<td>3-Aug</td>
<td>14-Aug</td>
<td>27</td>
</tr>
<tr>
<td>Sano</td>
<td>4-Aug</td>
<td>21-Aug</td>
<td>22</td>
</tr>
<tr>
<td>Dottie Won</td>
<td>5-Aug</td>
<td>14-Aug</td>
<td>14</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>5-Aug</td>
<td>25-Aug</td>
<td>21</td>
</tr>
<tr>
<td>Chips</td>
<td>14-Aug</td>
<td>22-Aug</td>
<td>11</td>
</tr>
<tr>
<td>Padre</td>
<td>14-Aug</td>
<td>30-Aug</td>
<td>31</td>
</tr>
<tr>
<td>Ruby</td>
<td>14-Aug</td>
<td>29-Aug</td>
<td>32</td>
</tr>
<tr>
<td>Butte</td>
<td>15-Aug</td>
<td>30-Aug</td>
<td>28</td>
</tr>
<tr>
<td><strong>Mission</strong></td>
<td>18-Aug</td>
<td>30-Aug</td>
<td>30</td>
</tr>
<tr>
<td>Savana</td>
<td>21-Aug</td>
<td>3-Sep</td>
<td>19</td>
</tr>
<tr>
<td>Carmel</td>
<td>21-Aug</td>
<td>30-Aug</td>
<td>25</td>
</tr>
<tr>
<td>Fritz</td>
<td>21-Aug</td>
<td>1-Sep</td>
<td>33</td>
</tr>
<tr>
<td>Monterey</td>
<td>22-Aug</td>
<td>1-Sep</td>
<td>26</td>
</tr>
</tbody>
</table>
# HULLSPLIT PERIOD

Kern RVT - Paramount Farming Company

## EARLY - SEASON

<table>
<thead>
<tr>
<th>Hullsplit Period</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Beginning*</td>
<td>End**</td>
</tr>
<tr>
<td>Kapareil</td>
<td>06-28</td>
<td>07-29</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>07-09</td>
<td>08-12</td>
</tr>
<tr>
<td>2-19E</td>
<td>08-10</td>
<td>09-07</td>
</tr>
<tr>
<td>Sonora</td>
<td>07-23</td>
<td>08-31</td>
</tr>
<tr>
<td>Rosetta</td>
<td>07-12</td>
<td>08-31</td>
</tr>
<tr>
<td>2-43W</td>
<td>07-09</td>
<td>09-07</td>
</tr>
<tr>
<td>1-102W</td>
<td>07-30</td>
<td>08-31</td>
</tr>
<tr>
<td>Donna</td>
<td>08-01</td>
<td>08-31</td>
</tr>
<tr>
<td>Aldrich</td>
<td>08-01</td>
<td>09-07</td>
</tr>
<tr>
<td>Jiml</td>
<td>07-23</td>
<td>09-07</td>
</tr>
<tr>
<td>Jenette</td>
<td>08-10</td>
<td>09-14</td>
</tr>
<tr>
<td>Johlyn</td>
<td>07-28</td>
<td>09-07</td>
</tr>
</tbody>
</table>

## MID-SEASON

<table>
<thead>
<tr>
<th>Hullsplit Period</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Beginning*</td>
<td>End**</td>
</tr>
<tr>
<td>25-75</td>
<td>08-10</td>
<td>09-30</td>
</tr>
<tr>
<td>13-1</td>
<td>08-01</td>
<td>09-14</td>
</tr>
<tr>
<td>1-87</td>
<td>07-25</td>
<td>09-07</td>
</tr>
<tr>
<td>Price</td>
<td>07-20</td>
<td>09-07</td>
</tr>
<tr>
<td>Plateau</td>
<td>08-17</td>
<td>09-18</td>
</tr>
<tr>
<td>Chips</td>
<td>08-17</td>
<td>09-18</td>
</tr>
<tr>
<td>Savana</td>
<td>08-14</td>
<td>09-20</td>
</tr>
<tr>
<td>Morley</td>
<td>08-06</td>
<td>09-18</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>07-25</td>
<td>08-31</td>
</tr>
<tr>
<td>MID to LATE SEASON</td>
<td>Hullsplit Period</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beginning*</td>
<td>End**</td>
</tr>
<tr>
<td>Sano</td>
<td>08-10</td>
<td>09-07</td>
</tr>
<tr>
<td>Yukut</td>
<td>07-25</td>
<td>09-07</td>
</tr>
<tr>
<td>Padre</td>
<td>08-17</td>
<td>09-14</td>
</tr>
<tr>
<td>Butte</td>
<td>08-23</td>
<td>09-20</td>
</tr>
<tr>
<td>Livingston</td>
<td>08-17</td>
<td>09-20</td>
</tr>
<tr>
<td>Kahl</td>
<td>08-12</td>
<td>09-20</td>
</tr>
<tr>
<td>Carmel</td>
<td>08-20</td>
<td>09-27</td>
</tr>
<tr>
<td>Ruby</td>
<td>08-23</td>
<td>09-27</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LATE-SEASON</th>
<th>Hullsplit Period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Beginning*</td>
</tr>
<tr>
<td>Mission</td>
<td>08-24</td>
</tr>
<tr>
<td>Monterey</td>
<td>08-20</td>
</tr>
<tr>
<td>Fritz</td>
<td>09-07</td>
</tr>
</tbody>
</table>

*Beginning means one to five percent of hullsplit.

**End means 100% hullsplit.

NOTES: The length of the hullsplit period depended on crop load. Varieties that had a big crop took longer to complete hullsplit than varieties with a light crop.
2001 Yield Summary for the Regional Almond Variety Trial at California State University at Chico Farm, Butte County. Planted in 1993.

<table>
<thead>
<tr>
<th>Variety</th>
<th>No. of Nuts/Tree</th>
<th>Average Kernel Weight (g)</th>
<th>Shelling Percentage</th>
<th>Kernel Pounds Per Tree</th>
<th>Acre¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winters (13-1)</td>
<td>18880</td>
<td>1.01</td>
<td>53.4</td>
<td>41.8</td>
<td>2677</td>
</tr>
<tr>
<td>Livingston</td>
<td>13724</td>
<td>1.18</td>
<td>58.8</td>
<td>35.7</td>
<td>2283</td>
</tr>
<tr>
<td>Plateau</td>
<td>12010</td>
<td>1.28</td>
<td>45.8</td>
<td>33.8</td>
<td>2160</td>
</tr>
<tr>
<td>Carmel</td>
<td>12994</td>
<td>1.13</td>
<td>52.4</td>
<td>32.3</td>
<td>2070</td>
</tr>
<tr>
<td>Morley</td>
<td>15761</td>
<td>0.92</td>
<td>48.2</td>
<td>32.1</td>
<td>2053</td>
</tr>
<tr>
<td>Rosetta</td>
<td>10967</td>
<td>1.32</td>
<td>46.9</td>
<td>31.9</td>
<td>2041</td>
</tr>
<tr>
<td>Yokut</td>
<td>10919</td>
<td>1.28</td>
<td>58.2</td>
<td>30.7</td>
<td>1964</td>
</tr>
<tr>
<td><strong>Nonpareil</strong></td>
<td><strong>11059</strong></td>
<td><strong>1.18</strong></td>
<td><strong>63.9</strong></td>
<td><strong>28.9</strong></td>
<td><strong>1846</strong></td>
</tr>
<tr>
<td>Padre</td>
<td>13326</td>
<td>0.98</td>
<td>52.7</td>
<td>28.6</td>
<td>1833</td>
</tr>
<tr>
<td>2-19E</td>
<td>13478</td>
<td>0.96</td>
<td>50.8</td>
<td>28.6</td>
<td>1828</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>10948</td>
<td>1.15</td>
<td>51.4</td>
<td>27.8</td>
<td>1781</td>
</tr>
<tr>
<td>1-87</td>
<td>13886</td>
<td>0.87</td>
<td>49.5</td>
<td>26.7</td>
<td>1711</td>
</tr>
<tr>
<td>Butte</td>
<td>13597</td>
<td>0.89</td>
<td>48.4</td>
<td>26.6</td>
<td>1705</td>
</tr>
<tr>
<td>Ruby</td>
<td>10557</td>
<td>1.13</td>
<td>49.3</td>
<td>26.2</td>
<td>1676</td>
</tr>
<tr>
<td>Aldrich</td>
<td>11683</td>
<td>1.01</td>
<td>50.1</td>
<td>26.0</td>
<td>1663</td>
</tr>
<tr>
<td>Sano</td>
<td>8561</td>
<td>1.29</td>
<td>44.4</td>
<td>24.2</td>
<td>1552</td>
</tr>
<tr>
<td>Monterey</td>
<td>8489</td>
<td>1.29</td>
<td>47.5</td>
<td>24.1</td>
<td>1541</td>
</tr>
<tr>
<td>Kahl</td>
<td>10076</td>
<td>1.05</td>
<td>42.5</td>
<td>23.3</td>
<td>1491</td>
</tr>
<tr>
<td>Chip's</td>
<td>9881</td>
<td>1.07</td>
<td>52.8</td>
<td>23.3</td>
<td>1490</td>
</tr>
<tr>
<td>Jiml</td>
<td>9000</td>
<td>1.17</td>
<td>60.4</td>
<td>23.2</td>
<td>1484</td>
</tr>
<tr>
<td><strong>Mission</strong></td>
<td><strong>9879</strong></td>
<td><strong>1.07</strong></td>
<td><strong>42.8</strong></td>
<td><strong>23.2</strong></td>
<td><strong>1483</strong></td>
</tr>
<tr>
<td>Price</td>
<td>10874</td>
<td>0.96</td>
<td>53.2</td>
<td>22.9</td>
<td>1469</td>
</tr>
<tr>
<td>Johlyn</td>
<td>9607</td>
<td>1.08</td>
<td>65.3</td>
<td>22.8</td>
<td>1457</td>
</tr>
<tr>
<td>25-75</td>
<td>11796</td>
<td>0.86</td>
<td>52.8</td>
<td>22.4</td>
<td>1433</td>
</tr>
<tr>
<td>Kapareil</td>
<td>10971</td>
<td>0.88</td>
<td>71.1</td>
<td>21.3</td>
<td>1364</td>
</tr>
<tr>
<td>Jenette</td>
<td>7263</td>
<td>1.26</td>
<td>62.9</td>
<td>20.2</td>
<td>1290</td>
</tr>
<tr>
<td>Sonora</td>
<td>5305</td>
<td>1.56</td>
<td>69.9</td>
<td>18.2</td>
<td>1165</td>
</tr>
<tr>
<td>Donna</td>
<td>7226</td>
<td>1.10</td>
<td>51.6</td>
<td>17.5</td>
<td>1118</td>
</tr>
<tr>
<td>Savana</td>
<td>7813</td>
<td>1.00</td>
<td>62.3</td>
<td>17.3</td>
<td>1106</td>
</tr>
</tbody>
</table>

2-43W Selection was removed from the Butte RAVT
1-102W Selection was removed from the Butte RAVT

¹Based on a spacing that gives 78 trees per acre.
2001 Yield Summary for the Regional Almond Variety Trial at San Joaquin Delta College Farm, Manteca, San Joaquin County. Planted in 1993.

<table>
<thead>
<tr>
<th>Variety</th>
<th>No. of Nuts/Tree</th>
<th>Average Kernel Weight (g)</th>
<th>Shelling Percentage</th>
<th>Kernel Pounds Per</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tree</td>
<td>Acre¹</td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>14643</td>
<td>1.10</td>
<td>65.8</td>
<td>35.6</td>
</tr>
<tr>
<td>Butte</td>
<td>13713</td>
<td>1.02</td>
<td>52.0</td>
<td>30.8</td>
</tr>
<tr>
<td>Carmel</td>
<td>11220</td>
<td>1.19</td>
<td>58.2</td>
<td>29.4</td>
</tr>
<tr>
<td>Plateau</td>
<td>9613</td>
<td>1.39</td>
<td>51.3</td>
<td>29.3</td>
</tr>
<tr>
<td>Livingston</td>
<td>10653</td>
<td>1.21</td>
<td>57.3</td>
<td>28.4</td>
</tr>
<tr>
<td>Padre</td>
<td>11351</td>
<td>1.13</td>
<td>54.8</td>
<td>28.3</td>
</tr>
<tr>
<td>Dottie Won</td>
<td>11914</td>
<td>1.03</td>
<td>53.6</td>
<td>26.9</td>
</tr>
<tr>
<td>Jenette</td>
<td>9735</td>
<td>1.20</td>
<td>66.6</td>
<td>25.7</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>8566</td>
<td>1.27</td>
<td>67.3</td>
<td>23.9</td>
</tr>
<tr>
<td>Sano</td>
<td>7448</td>
<td>1.43</td>
<td>49.7</td>
<td>23.5</td>
</tr>
<tr>
<td>Mission</td>
<td>9248</td>
<td>1.15</td>
<td>47.3</td>
<td>23.4</td>
</tr>
<tr>
<td>Morley</td>
<td>10448</td>
<td>0.99</td>
<td>46.3</td>
<td>22.7</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>8020</td>
<td>1.27</td>
<td>52.4</td>
<td>22.4</td>
</tr>
<tr>
<td>Yokut</td>
<td>7690</td>
<td>1.32</td>
<td>55.0</td>
<td>22.3</td>
</tr>
<tr>
<td>Sonora</td>
<td>7308</td>
<td>1.37</td>
<td>76.6</td>
<td>22.0</td>
</tr>
<tr>
<td>Fritz</td>
<td>9272</td>
<td>1.08</td>
<td>53.4</td>
<td>21.5</td>
</tr>
<tr>
<td>Rosetta</td>
<td>7036</td>
<td>1.39</td>
<td>50.3</td>
<td>20.9</td>
</tr>
<tr>
<td>Monterey</td>
<td>7424</td>
<td>1.28</td>
<td>50.6</td>
<td>20.1</td>
</tr>
<tr>
<td>Ruby</td>
<td>7433</td>
<td>1.23</td>
<td>52.3</td>
<td>19.5</td>
</tr>
<tr>
<td>Chips</td>
<td>7149</td>
<td>1.24</td>
<td>58.5</td>
<td>19.5</td>
</tr>
<tr>
<td>1-102W</td>
<td>5634</td>
<td>1.48</td>
<td>63.2</td>
<td>19.4</td>
</tr>
<tr>
<td>Kapareil</td>
<td>9300</td>
<td>0.88</td>
<td>67.5</td>
<td>17.9</td>
</tr>
<tr>
<td>Aldrich</td>
<td>7504</td>
<td>1.05</td>
<td>51.0</td>
<td>17.4</td>
</tr>
<tr>
<td>Kahl</td>
<td>7383</td>
<td>1.02</td>
<td>41.5</td>
<td>16.6</td>
</tr>
<tr>
<td>1-87</td>
<td>8345</td>
<td>0.90</td>
<td>70.5</td>
<td>16.5</td>
</tr>
<tr>
<td>Johlyn</td>
<td>5806</td>
<td>1.24</td>
<td>73.7</td>
<td>15.8</td>
</tr>
<tr>
<td>Jiml</td>
<td>6317</td>
<td>1.13</td>
<td>60.4</td>
<td>15.7</td>
</tr>
<tr>
<td>Donna</td>
<td>5931</td>
<td>1.16</td>
<td>52.7</td>
<td>15.2</td>
</tr>
<tr>
<td>Price</td>
<td>6164</td>
<td>1.06</td>
<td>62.3</td>
<td>14.3</td>
</tr>
<tr>
<td>2-19E</td>
<td>5437</td>
<td>1.12</td>
<td>58.1</td>
<td>13.4</td>
</tr>
<tr>
<td>2-43W</td>
<td>4089</td>
<td>1.14</td>
<td>71.2</td>
<td>10.2</td>
</tr>
<tr>
<td>25-75</td>
<td>4013</td>
<td>1.03</td>
<td>68.3</td>
<td>9.1</td>
</tr>
<tr>
<td>Savannah</td>
<td>2539</td>
<td>1.28</td>
<td>69.1</td>
<td>7.1</td>
</tr>
</tbody>
</table>

¹Based on a spacing that gives 75 trees per acre.

<table>
<thead>
<tr>
<th>Variety</th>
<th>No. of Nuts/Tree</th>
<th>Average Kernel Weight (g)</th>
<th>Shelling Percentage</th>
<th>Kernel Pounds Per Tree</th>
<th>Acre¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jenette</td>
<td>17985</td>
<td>1.23</td>
<td>77.0</td>
<td>48.6</td>
<td>4177</td>
</tr>
<tr>
<td>Padre</td>
<td>19736</td>
<td>1.09</td>
<td>55.3</td>
<td>47.3</td>
<td>4068</td>
</tr>
<tr>
<td>Carmel</td>
<td>16206</td>
<td>1.24</td>
<td>62.6</td>
<td>44.4</td>
<td>3819</td>
</tr>
<tr>
<td>Plateau</td>
<td>13504</td>
<td>1.43</td>
<td>59.8</td>
<td>42.5</td>
<td>3653</td>
</tr>
<tr>
<td>Morley</td>
<td>20131</td>
<td>0.93</td>
<td>49.8</td>
<td>41.1</td>
<td>3531</td>
</tr>
<tr>
<td>Ruby</td>
<td>14140</td>
<td>1.30</td>
<td>60.1</td>
<td>40.5</td>
<td>3482</td>
</tr>
<tr>
<td>2-19E</td>
<td>16000</td>
<td>1.15</td>
<td>62.1</td>
<td>40.5</td>
<td>3479</td>
</tr>
<tr>
<td>Butte</td>
<td>18322</td>
<td>0.98</td>
<td>54.9</td>
<td>39.5</td>
<td>3401</td>
</tr>
<tr>
<td>Monterey</td>
<td>13428</td>
<td>1.31</td>
<td>57.3</td>
<td>38.9</td>
<td>3342</td>
</tr>
<tr>
<td>Aldrich</td>
<td>15443</td>
<td>1.10</td>
<td>62.9</td>
<td>37.6</td>
<td>3230</td>
</tr>
<tr>
<td>Fritz</td>
<td>15753</td>
<td>1.07</td>
<td>54.5</td>
<td>37.2</td>
<td>3199</td>
</tr>
<tr>
<td>Sano</td>
<td>10936</td>
<td>1.46</td>
<td>61.8</td>
<td>35.3</td>
<td>3033</td>
</tr>
<tr>
<td><strong>Nonpareil</strong></td>
<td><strong>11773</strong></td>
<td><strong>1.36</strong></td>
<td><strong>69.8</strong></td>
<td><strong>35.1</strong></td>
<td><strong>3022</strong></td>
</tr>
<tr>
<td>Price</td>
<td>12199</td>
<td>1.22</td>
<td>65.1</td>
<td>32.8</td>
<td>2819</td>
</tr>
<tr>
<td>Kahl</td>
<td>12156</td>
<td>1.14</td>
<td>54.0</td>
<td>30.6</td>
<td>2634</td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>11626</td>
<td>1.12</td>
<td>58.8</td>
<td>28.8</td>
<td>2475</td>
</tr>
<tr>
<td>Chip's</td>
<td>11126</td>
<td>1.15</td>
<td>64.6</td>
<td>28.1</td>
<td>2419</td>
</tr>
<tr>
<td>Johlyn</td>
<td>9348</td>
<td>1.31</td>
<td>68.4</td>
<td>26.9</td>
<td>2313</td>
</tr>
<tr>
<td>Rosetta</td>
<td>7672</td>
<td>1.59</td>
<td>54.8</td>
<td>26.8</td>
<td>2308</td>
</tr>
<tr>
<td><strong>Mission</strong></td>
<td><strong>9831</strong></td>
<td><strong>1.24</strong></td>
<td><strong>47.9</strong></td>
<td><strong>26.7</strong></td>
<td><strong>2296</strong></td>
</tr>
<tr>
<td>1-87</td>
<td>11977</td>
<td>1.00</td>
<td>55.9</td>
<td>26.3</td>
<td>2260</td>
</tr>
<tr>
<td>Livingston</td>
<td>8835</td>
<td>1.33</td>
<td>69.6</td>
<td>26.0</td>
<td>2233</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>8614</td>
<td>1.34</td>
<td>64.6</td>
<td>25.5</td>
<td>2193</td>
</tr>
<tr>
<td>25-75</td>
<td>11972</td>
<td>0.95</td>
<td>69.7</td>
<td>25.0</td>
<td>2150</td>
</tr>
<tr>
<td>Yokut</td>
<td>8518</td>
<td>1.28</td>
<td>61.4</td>
<td>23.9</td>
<td>2059</td>
</tr>
<tr>
<td>Sonora</td>
<td>6707</td>
<td>1.43</td>
<td>76.4</td>
<td>21.2</td>
<td>1822</td>
</tr>
<tr>
<td>Savana</td>
<td>8033</td>
<td>1.16</td>
<td>66.0</td>
<td>20.6</td>
<td>1771</td>
</tr>
<tr>
<td>1-102W</td>
<td>5791</td>
<td>1.54</td>
<td>66.7</td>
<td>19.6</td>
<td>1685</td>
</tr>
<tr>
<td>Donna</td>
<td>6928</td>
<td>1.18</td>
<td>62.3</td>
<td>18.0</td>
<td>1549</td>
</tr>
<tr>
<td>2-43W</td>
<td>7089</td>
<td>1.14</td>
<td>60.7</td>
<td>17.7</td>
<td>1526</td>
</tr>
<tr>
<td>Kapareil</td>
<td>8507</td>
<td>0.92</td>
<td>67.6</td>
<td>17.3</td>
<td>1486</td>
</tr>
<tr>
<td>Jiml</td>
<td>4750</td>
<td>1.55</td>
<td>70.5</td>
<td>16.2</td>
<td>1391</td>
</tr>
</tbody>
</table>

¹Based on a spacing that gives 86 trees per acre.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Winters (13-1)</td>
<td>425</td>
<td>2076</td>
<td>784</td>
<td>2736</td>
<td>2446</td>
<td>2677</td>
<td>11144</td>
</tr>
<tr>
<td>Plateau</td>
<td>360</td>
<td>1215</td>
<td>2367</td>
<td>2007</td>
<td>1943</td>
<td>2160</td>
<td>10052</td>
</tr>
<tr>
<td>Monterey</td>
<td>749</td>
<td>1535</td>
<td>1531</td>
<td>1410</td>
<td>2279</td>
<td>1541</td>
<td>9045</td>
</tr>
<tr>
<td>Carmel</td>
<td>741</td>
<td>1240</td>
<td>1260</td>
<td>1700</td>
<td>1934</td>
<td>2070</td>
<td>8945</td>
</tr>
<tr>
<td>Livingston</td>
<td>425</td>
<td>1449</td>
<td>1275</td>
<td>1765</td>
<td>1607</td>
<td>2283</td>
<td>8804</td>
</tr>
<tr>
<td><strong>Nonpareil</strong></td>
<td><strong>494</strong></td>
<td><strong>1427</strong></td>
<td><strong>1127</strong></td>
<td><strong>1952</strong></td>
<td><strong>1762</strong></td>
<td><strong>1846</strong></td>
<td><strong>8608</strong></td>
</tr>
<tr>
<td>Ruby</td>
<td>448</td>
<td>1208</td>
<td>1315</td>
<td>1823</td>
<td>1828</td>
<td>1676</td>
<td>8298</td>
</tr>
<tr>
<td>Butte</td>
<td>443</td>
<td>1169</td>
<td>1549</td>
<td>1404</td>
<td>1509</td>
<td>1705</td>
<td>7779</td>
</tr>
<tr>
<td>Morley</td>
<td>219</td>
<td>1102</td>
<td>1189</td>
<td>1364</td>
<td>1846</td>
<td>2053</td>
<td>7777</td>
</tr>
<tr>
<td>Sano</td>
<td>372</td>
<td>1036</td>
<td>1020</td>
<td>1558</td>
<td>2128</td>
<td>1552</td>
<td>7666</td>
</tr>
<tr>
<td>Aldrich</td>
<td>275</td>
<td>1813</td>
<td>1005</td>
<td>1388</td>
<td>1494</td>
<td>1663</td>
<td>7638</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>724</td>
<td>978</td>
<td>951</td>
<td>1464</td>
<td>1695</td>
<td>1781</td>
<td>7593</td>
</tr>
<tr>
<td>Johlyn</td>
<td>537</td>
<td>1047</td>
<td>1046</td>
<td>1870</td>
<td>1595</td>
<td>1457</td>
<td>7552</td>
</tr>
<tr>
<td>Rosetta</td>
<td>248</td>
<td>1039</td>
<td>840</td>
<td>1422</td>
<td>1727</td>
<td>2041</td>
<td>7317</td>
</tr>
<tr>
<td>1-87</td>
<td>190</td>
<td>1295</td>
<td>1074</td>
<td>1340</td>
<td>1454</td>
<td>1711</td>
<td>7064</td>
</tr>
<tr>
<td>Jiml</td>
<td>262</td>
<td>873</td>
<td>738</td>
<td>1633</td>
<td>1948</td>
<td>1484</td>
<td>6938</td>
</tr>
<tr>
<td>Padre</td>
<td>541</td>
<td>1013</td>
<td>832</td>
<td>1258</td>
<td>1402</td>
<td>1633</td>
<td>6879</td>
</tr>
<tr>
<td>Jenette</td>
<td>279</td>
<td>868</td>
<td>672</td>
<td>1407</td>
<td>1932</td>
<td>1290</td>
<td>6448</td>
</tr>
<tr>
<td><strong>Mission</strong></td>
<td><strong>383</strong></td>
<td><strong>941</strong></td>
<td><strong>890</strong></td>
<td><strong>1018</strong></td>
<td><strong>1616</strong></td>
<td><strong>1483</strong></td>
<td><strong>6331</strong></td>
</tr>
<tr>
<td>Sonora</td>
<td>732</td>
<td>494</td>
<td>1152</td>
<td>1262</td>
<td>1510</td>
<td>1165</td>
<td>6315</td>
</tr>
<tr>
<td>Yokut</td>
<td>359</td>
<td>765</td>
<td>896</td>
<td>1204</td>
<td>1126</td>
<td>1964</td>
<td>6314</td>
</tr>
<tr>
<td>Chip's</td>
<td>344</td>
<td>817</td>
<td>1188</td>
<td>1030</td>
<td>1434</td>
<td>1490</td>
<td>6303</td>
</tr>
<tr>
<td>25-75</td>
<td>308</td>
<td>668</td>
<td>815</td>
<td>1103</td>
<td>1910</td>
<td>1433</td>
<td>6237</td>
</tr>
<tr>
<td>Price</td>
<td>538</td>
<td>931</td>
<td>990</td>
<td>1230</td>
<td>1066</td>
<td>1469</td>
<td>6224</td>
</tr>
<tr>
<td>2-19E</td>
<td>276</td>
<td>1299</td>
<td>454</td>
<td>1345</td>
<td>906</td>
<td>1828</td>
<td>6108</td>
</tr>
<tr>
<td>Kahl</td>
<td>208</td>
<td>672</td>
<td>1070</td>
<td>1301</td>
<td>1034</td>
<td>1491</td>
<td>5776</td>
</tr>
<tr>
<td>Donna</td>
<td>582</td>
<td>913</td>
<td>712</td>
<td>1003</td>
<td>1255</td>
<td>1118</td>
<td>5583</td>
</tr>
<tr>
<td>Savana</td>
<td>451</td>
<td>1079</td>
<td>815</td>
<td>992</td>
<td>958</td>
<td>1106</td>
<td>5401</td>
</tr>
<tr>
<td>Kaparel</td>
<td>68</td>
<td>1129</td>
<td>280</td>
<td>941</td>
<td>1029</td>
<td>1364</td>
<td>4811</td>
</tr>
</tbody>
</table>

1Based on a spacing that gives 64 trees per acre.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Carmel</td>
<td>114</td>
<td>2111</td>
<td>1893</td>
<td>2695</td>
<td>2538</td>
<td>2206</td>
<td>11556</td>
</tr>
<tr>
<td>Butte</td>
<td>328</td>
<td>1631</td>
<td>2075</td>
<td>2641</td>
<td>2243</td>
<td>2311</td>
<td>11228</td>
</tr>
<tr>
<td>Plateau</td>
<td>2</td>
<td>1198</td>
<td>2301</td>
<td>2511</td>
<td>1968</td>
<td>2201</td>
<td>10179</td>
</tr>
<tr>
<td>Ruby</td>
<td>419</td>
<td>1274</td>
<td>1890</td>
<td>1985</td>
<td>2518</td>
<td>1505</td>
<td>9591</td>
</tr>
<tr>
<td>Jenette</td>
<td>226</td>
<td>1313</td>
<td>1530</td>
<td>2579</td>
<td>1667</td>
<td>1927</td>
<td>9241</td>
</tr>
<tr>
<td>Fritz</td>
<td>134</td>
<td>1692</td>
<td>1539</td>
<td>2086</td>
<td>2024</td>
<td>1648</td>
<td>9123</td>
</tr>
<tr>
<td>Yokut</td>
<td>251</td>
<td>1288</td>
<td>1882</td>
<td>1956</td>
<td>2060</td>
<td>1674</td>
<td>9111</td>
</tr>
<tr>
<td>Livingston</td>
<td>73</td>
<td>683</td>
<td>1572</td>
<td>2779</td>
<td>1736</td>
<td>2133</td>
<td>8975</td>
</tr>
<tr>
<td>Dottie Won</td>
<td>100</td>
<td>1287</td>
<td>1757</td>
<td>1667</td>
<td>2133</td>
<td>2019</td>
<td>8964</td>
</tr>
<tr>
<td>Chips</td>
<td>420</td>
<td>920</td>
<td>1798</td>
<td>2134</td>
<td>1828</td>
<td>1464</td>
<td>8564</td>
</tr>
<tr>
<td>Padre</td>
<td>221</td>
<td>579</td>
<td>1502</td>
<td>1340</td>
<td>2784</td>
<td>2123</td>
<td>8549</td>
</tr>
<tr>
<td>Sano</td>
<td>2</td>
<td>1213</td>
<td>995</td>
<td>2299</td>
<td>2205</td>
<td>1762</td>
<td>8474</td>
</tr>
<tr>
<td>Monterey</td>
<td>153</td>
<td>1315</td>
<td>1660</td>
<td>2006</td>
<td>1718</td>
<td>1570</td>
<td>8422</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>211</td>
<td>1131</td>
<td>1168</td>
<td>2176</td>
<td>1543</td>
<td>1677</td>
<td>7906</td>
</tr>
<tr>
<td>Mission</td>
<td>219</td>
<td>813</td>
<td>1332</td>
<td>1780</td>
<td>2001</td>
<td>1754</td>
<td>7900</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>115</td>
<td>1165</td>
<td>918</td>
<td>2252</td>
<td>1333</td>
<td>1794</td>
<td>7577</td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>2</td>
<td>1591</td>
<td>192</td>
<td>2223</td>
<td>392</td>
<td>2671</td>
<td>7069</td>
</tr>
<tr>
<td>Rossetta</td>
<td>2</td>
<td>1323</td>
<td>600</td>
<td>1745</td>
<td>1487</td>
<td>1611</td>
<td>6766</td>
</tr>
<tr>
<td>Kahl</td>
<td>2</td>
<td>757</td>
<td>1320</td>
<td>1836</td>
<td>1605</td>
<td>1246</td>
<td>6765</td>
</tr>
<tr>
<td>Sonora</td>
<td>123</td>
<td>2</td>
<td>965</td>
<td>2407</td>
<td>1194</td>
<td>1651</td>
<td>6341</td>
</tr>
<tr>
<td>Jiml</td>
<td>2</td>
<td>534</td>
<td>744</td>
<td>2509</td>
<td>1098</td>
<td>1179</td>
<td>6064</td>
</tr>
<tr>
<td>Aldrich</td>
<td>34</td>
<td>937</td>
<td>636</td>
<td>2169</td>
<td>902</td>
<td>1307</td>
<td>5985</td>
</tr>
<tr>
<td>1-87</td>
<td>79</td>
<td>486</td>
<td>1207</td>
<td>1601</td>
<td>1296</td>
<td>1238</td>
<td>5907</td>
</tr>
<tr>
<td>Donna</td>
<td>169</td>
<td>1000</td>
<td>990</td>
<td>1394</td>
<td>1153</td>
<td>1137</td>
<td>5843</td>
</tr>
<tr>
<td>Johlyn</td>
<td>2</td>
<td>634</td>
<td>997</td>
<td>1510</td>
<td>1246</td>
<td>1188</td>
<td>5574</td>
</tr>
<tr>
<td>Price</td>
<td>2</td>
<td>947</td>
<td>573</td>
<td>1731</td>
<td>932</td>
<td>1075</td>
<td>5258</td>
</tr>
<tr>
<td>Morley</td>
<td>2</td>
<td>559</td>
<td>576</td>
<td>1401</td>
<td>842</td>
<td>1702</td>
<td>5080</td>
</tr>
<tr>
<td>1-102W</td>
<td>217</td>
<td>457</td>
<td>892</td>
<td>939</td>
<td>519</td>
<td>1379</td>
<td>4403</td>
</tr>
<tr>
<td>2-19E</td>
<td>2</td>
<td>503</td>
<td>507</td>
<td>1010</td>
<td>903</td>
<td>1008</td>
<td>3931</td>
</tr>
<tr>
<td>Kapareil</td>
<td>2</td>
<td>361</td>
<td>183</td>
<td>1200</td>
<td>485</td>
<td>1346</td>
<td>3575</td>
</tr>
<tr>
<td>2-43W</td>
<td>2</td>
<td>776</td>
<td>1198</td>
<td>632</td>
<td>767</td>
<td>3373</td>
<td></td>
</tr>
<tr>
<td>25-75</td>
<td>75</td>
<td>192</td>
<td>660</td>
<td>542</td>
<td>912</td>
<td>683</td>
<td>3064</td>
</tr>
<tr>
<td>Savana</td>
<td>2</td>
<td>184</td>
<td>750</td>
<td>109</td>
<td>536</td>
<td>1579</td>
<td></td>
</tr>
</tbody>
</table>

1Based on a spacing that gives 75 trees per acre.

2Because of poor production in 1996 and poor production and a harvesting error in 1997, some varieties were not harvested in these years. Thus, cumulative yields for these varieties should be somewhat higher than what is shown on the table.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruby</td>
<td>664</td>
<td>1406</td>
<td>2413</td>
<td>2180</td>
<td>2550</td>
<td>3164</td>
<td>3482</td>
<td>15859</td>
</tr>
<tr>
<td>Plateau</td>
<td>282</td>
<td>1340</td>
<td>2525</td>
<td>2419</td>
<td>2239</td>
<td>3197</td>
<td>3653</td>
<td>15655</td>
</tr>
<tr>
<td>Jenette</td>
<td>294</td>
<td>952</td>
<td>3085</td>
<td>1574</td>
<td>2692</td>
<td>2810</td>
<td>4177</td>
<td>15584</td>
</tr>
<tr>
<td>Padre</td>
<td>802</td>
<td>1624</td>
<td>1624</td>
<td>1883</td>
<td>2416</td>
<td>2841</td>
<td>4068</td>
<td>15258</td>
</tr>
<tr>
<td>2-19E</td>
<td>341</td>
<td>963</td>
<td>2347</td>
<td>1944</td>
<td>2496</td>
<td>2646</td>
<td>3479</td>
<td>14216</td>
</tr>
<tr>
<td>Monterey</td>
<td>591</td>
<td>1141</td>
<td>2184</td>
<td>1914</td>
<td>2194</td>
<td>2429</td>
<td>3342</td>
<td>13795</td>
</tr>
<tr>
<td>Sano</td>
<td>291</td>
<td>1209</td>
<td>1345</td>
<td>1754</td>
<td>2446</td>
<td>3702</td>
<td>3033</td>
<td>13780</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>259</td>
<td>782</td>
<td>2428</td>
<td>1963</td>
<td>2560</td>
<td>2216</td>
<td>3022</td>
<td>13230</td>
</tr>
<tr>
<td>Carmel</td>
<td>634</td>
<td>1260</td>
<td>1944</td>
<td>1427</td>
<td>1359</td>
<td>2534</td>
<td>3819</td>
<td>12977</td>
</tr>
<tr>
<td>Fritz</td>
<td>1261</td>
<td>1706</td>
<td>2234</td>
<td>1700</td>
<td>2805</td>
<td>3199</td>
<td>12905</td>
<td></td>
</tr>
<tr>
<td>Butte</td>
<td>377</td>
<td>1364</td>
<td>2400</td>
<td>2353</td>
<td>1670</td>
<td>1178</td>
<td>3401</td>
<td>12743</td>
</tr>
<tr>
<td>Kahl</td>
<td>383</td>
<td>1319</td>
<td>1852</td>
<td>1683</td>
<td>1926</td>
<td>2696</td>
<td>2634</td>
<td>12493</td>
</tr>
<tr>
<td>Yokut</td>
<td>382</td>
<td>1316</td>
<td>1519</td>
<td>1835</td>
<td>2023</td>
<td>3184</td>
<td>2059</td>
<td>12318</td>
</tr>
<tr>
<td>Winters</td>
<td>599</td>
<td>1224</td>
<td>2076</td>
<td>2152</td>
<td>1643</td>
<td>2073</td>
<td>2475</td>
<td>12242</td>
</tr>
<tr>
<td>Aldrich</td>
<td>422</td>
<td>459</td>
<td>2230</td>
<td>1295</td>
<td>2936</td>
<td>1410</td>
<td>3230</td>
<td>11982</td>
</tr>
<tr>
<td>Mission</td>
<td>545</td>
<td>1353</td>
<td>1949</td>
<td>1816</td>
<td>1716</td>
<td>2885</td>
<td>2296</td>
<td>11960</td>
</tr>
<tr>
<td>Chip's</td>
<td>401</td>
<td>882</td>
<td>1417</td>
<td>2004</td>
<td>1709</td>
<td>3106</td>
<td>2419</td>
<td>11938</td>
</tr>
<tr>
<td>Livingston</td>
<td>323</td>
<td>760</td>
<td>1972</td>
<td>1749</td>
<td>3054</td>
<td>1608</td>
<td>2233</td>
<td>11699</td>
</tr>
<tr>
<td>Johlyn</td>
<td>291</td>
<td>1221</td>
<td>2195</td>
<td>1936</td>
<td>1287</td>
<td>2084</td>
<td>2313</td>
<td>11327</td>
</tr>
<tr>
<td>Price</td>
<td>297</td>
<td>746</td>
<td>1118</td>
<td>1772</td>
<td>1235</td>
<td>2997</td>
<td>2819</td>
<td>10984</td>
</tr>
<tr>
<td>Sonora</td>
<td>337</td>
<td>843</td>
<td>1315</td>
<td>1120</td>
<td>2218</td>
<td>3181</td>
<td>1822</td>
<td>10836</td>
</tr>
<tr>
<td>Morley</td>
<td>176</td>
<td>372</td>
<td>1091</td>
<td>1871</td>
<td>1516</td>
<td>1742</td>
<td>3531</td>
<td>10299</td>
</tr>
<tr>
<td>Rosetta</td>
<td>93</td>
<td>481</td>
<td>2164</td>
<td>1123</td>
<td>2308</td>
<td>1808</td>
<td>2308</td>
<td>10285</td>
</tr>
<tr>
<td>2-43W</td>
<td>477</td>
<td>1028</td>
<td>2056</td>
<td>1794</td>
<td>1516</td>
<td>1254</td>
<td>1526</td>
<td>9651</td>
</tr>
<tr>
<td>1-87</td>
<td>228</td>
<td>607</td>
<td>1598</td>
<td>1594</td>
<td>2171</td>
<td>1008</td>
<td>2260</td>
<td>9466</td>
</tr>
<tr>
<td>Jiml</td>
<td>107</td>
<td>626</td>
<td>1565</td>
<td>1887</td>
<td>1631</td>
<td>2039</td>
<td>1391</td>
<td>9246</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>559</td>
<td>1136</td>
<td>1545</td>
<td>1024</td>
<td>760</td>
<td>1923</td>
<td>2193</td>
<td>9140</td>
</tr>
<tr>
<td>25-75</td>
<td>167</td>
<td>808</td>
<td>1184</td>
<td>1138</td>
<td>1298</td>
<td>2072</td>
<td>2150</td>
<td>8817</td>
</tr>
<tr>
<td>1-102W</td>
<td>304</td>
<td>464</td>
<td>2143</td>
<td>1742</td>
<td>1755</td>
<td>661</td>
<td>1685</td>
<td>8754</td>
</tr>
<tr>
<td>Donna</td>
<td>324</td>
<td>935</td>
<td>766</td>
<td>955</td>
<td>1069</td>
<td>2281</td>
<td>1549</td>
<td>7879</td>
</tr>
<tr>
<td>Savana</td>
<td>418</td>
<td>697</td>
<td>1008</td>
<td>1271</td>
<td>656</td>
<td>1480</td>
<td>1771</td>
<td>7301</td>
</tr>
<tr>
<td>Kapareil</td>
<td>41</td>
<td>110</td>
<td>733</td>
<td>670</td>
<td>1576</td>
<td>618</td>
<td>1486</td>
<td>5234</td>
</tr>
</tbody>
</table>

1Based on a spacing that gives 86 trees per acre.

2Yield data for Fritz was lost in 1995 due to a harvesting error. Thus the accumulative yields should be somewhat higher than what is shown in this table.
KERNEL DEFECTS OBSERVED IN 2001

Significant defects noted in the 2001 harvest nut samples of the three RAVTs are outlined below. The trees were in their ninth growing season. Defects listed may only become important if they continue to show in the same varieties over several years as the trees mature.

<table>
<thead>
<tr>
<th>Varieties with defect</th>
<th>CSU-Chico</th>
<th>Delta College</th>
<th>Kern</th>
</tr>
</thead>
<tbody>
<tr>
<td>6% or more double kernels:</td>
<td>Kahl (36%)</td>
<td>Kahl (44%)</td>
<td>Plateau (34%)</td>
</tr>
<tr>
<td>Sano (28%)</td>
<td>Aldrich (42%)</td>
<td>Kahl (30%)</td>
<td></td>
</tr>
<tr>
<td>Plateau (24%)</td>
<td>Donna (38%)</td>
<td>Donna (16%)</td>
<td></td>
</tr>
<tr>
<td>Price (20%)</td>
<td>Plateau (30%)</td>
<td>Sano (10%)</td>
<td></td>
</tr>
<tr>
<td>Aldrich (18%)</td>
<td>Livingston (24%)</td>
<td>Wood Colony (8%)</td>
<td></td>
</tr>
<tr>
<td>25-75 (16%)</td>
<td>Wood Colony (20%)</td>
<td>Butte (8%)</td>
<td></td>
</tr>
<tr>
<td>Donna (14%)</td>
<td>Fritz (20%)</td>
<td>Mission (7%)</td>
<td></td>
</tr>
<tr>
<td>Wood Colony (12%)</td>
<td>Sano (18%)</td>
<td>Livingston (6%)</td>
<td></td>
</tr>
<tr>
<td>Livingston (12%)</td>
<td>2-19E (14%)</td>
<td>Price (6%)</td>
<td></td>
</tr>
<tr>
<td>Carmel (10%)</td>
<td>Price (14%)</td>
<td>Aldrich (6%)</td>
<td></td>
</tr>
<tr>
<td>Mission (6%)</td>
<td>Monterey (12%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monterey (6%)</td>
<td>Dottie Won (10%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-87 (6%)</td>
<td>Morley (10%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosetta (6%)</td>
<td>Rosetta (10%)</td>
<td>Butte (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Savana (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2-43W (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jiml (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Carmel (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mission (7%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ruby (6%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chips (6%)</td>
<td></td>
</tr>
</tbody>
</table>

6% or more twin kernels (two kernels within the same pellicle):

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Price (18%)</td>
<td>Price (6%)</td>
</tr>
<tr>
<td></td>
<td>Sonora (14%)</td>
<td>Jenette (6%)</td>
</tr>
<tr>
<td></td>
<td>Jenette (12%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kapareil (12%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jiml (10%)</td>
<td>2-19E (6%)</td>
</tr>
<tr>
<td></td>
<td>1-87 (10%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25-75 (10%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Livingston (6%)</td>
<td></td>
</tr>
<tr>
<td>Varieties with defect</td>
<td>CSU-Chico</td>
<td>Delta College</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>--------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>6% or more blank kernels:</td>
<td>Kahl (10%)</td>
<td>1-87 (18%)</td>
</tr>
<tr>
<td></td>
<td>Price (8%)</td>
<td>2-43W (14%)</td>
</tr>
<tr>
<td></td>
<td>Kapareil (6%)</td>
<td>Donna (10%)</td>
</tr>
<tr>
<td></td>
<td>Donna (6%)</td>
<td>2-19E (8%)</td>
</tr>
<tr>
<td></td>
<td>Savana (8%)</td>
<td>Monterey (8%)</td>
</tr>
<tr>
<td></td>
<td>25-75 (6%)</td>
<td>Chips (6%)</td>
</tr>
<tr>
<td>6% or more kernels with gum:</td>
<td>Johlyn (8%)</td>
<td>Sonora (8%)</td>
</tr>
<tr>
<td></td>
<td>Sonora (6%)</td>
<td>Livingston (8%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1-102W (6%)</td>
</tr>
<tr>
<td>6% or more worm damage:</td>
<td>Winters (14%)</td>
<td>Dottie Won (8%)</td>
</tr>
<tr>
<td></td>
<td>Chips (14%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sonora (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carmel (8%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25-75 (6%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wood Colony (6%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Almond Alternaria Leafspot

**Kern RAVT 2001**

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>Percent Infected 08-07-01</th>
<th>No. of Infected Leaves in 30 spec. 08-24-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruby</td>
<td>0</td>
<td>144</td>
</tr>
<tr>
<td>Carmel</td>
<td>0</td>
<td>142</td>
</tr>
<tr>
<td>Donna</td>
<td>0</td>
<td>135</td>
</tr>
<tr>
<td>Morley</td>
<td>2</td>
<td>130</td>
</tr>
<tr>
<td>1-87</td>
<td>0</td>
<td>130</td>
</tr>
<tr>
<td>Livingston</td>
<td>0</td>
<td>124</td>
</tr>
<tr>
<td>Kahl</td>
<td>0</td>
<td>121</td>
</tr>
<tr>
<td>Wood Colony</td>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>Mission</td>
<td>0</td>
<td>118</td>
</tr>
<tr>
<td>2-19E</td>
<td>1</td>
<td>115</td>
</tr>
<tr>
<td>Yokut</td>
<td>0</td>
<td>110</td>
</tr>
<tr>
<td>Sano</td>
<td>0</td>
<td>108</td>
</tr>
<tr>
<td>Plateau</td>
<td>0</td>
<td>106</td>
</tr>
<tr>
<td>Price</td>
<td>0</td>
<td>104</td>
</tr>
<tr>
<td>1-102W</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Aldrich</td>
<td>0</td>
<td>98</td>
</tr>
<tr>
<td>Monterey</td>
<td>0</td>
<td>92</td>
</tr>
<tr>
<td>Savana</td>
<td>3</td>
<td>91</td>
</tr>
<tr>
<td>Padre</td>
<td>0</td>
<td>90</td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>5</td>
<td>85</td>
</tr>
<tr>
<td>Butte</td>
<td>0</td>
<td>83</td>
</tr>
<tr>
<td>Johlyn</td>
<td>0</td>
<td>72</td>
</tr>
<tr>
<td>Sonora</td>
<td>0</td>
<td>66</td>
</tr>
<tr>
<td>2-43W</td>
<td>2</td>
<td>56</td>
</tr>
<tr>
<td>25-75</td>
<td>0</td>
<td>53</td>
</tr>
<tr>
<td>Jenette</td>
<td>0</td>
<td>49</td>
</tr>
<tr>
<td>Jiml</td>
<td>0</td>
<td>44</td>
</tr>
<tr>
<td>Rosetta</td>
<td>0</td>
<td>27</td>
</tr>
<tr>
<td>Chips</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>Fritz</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Nonpareil</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>Kapareil</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Variety</td>
<td>No. Strikes / Tree</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------------</td>
<td></td>
</tr>
<tr>
<td>Kapareil</td>
<td>802</td>
<td></td>
</tr>
<tr>
<td>Nonpareil</td>
<td>576</td>
<td></td>
</tr>
<tr>
<td>Butte</td>
<td>251</td>
<td></td>
</tr>
<tr>
<td>Winters (13-1)</td>
<td>216</td>
<td></td>
</tr>
<tr>
<td>25-75</td>
<td>196</td>
<td></td>
</tr>
<tr>
<td>Price</td>
<td>194</td>
<td></td>
</tr>
<tr>
<td>Johlyn</td>
<td>183</td>
<td></td>
</tr>
<tr>
<td>2-19E</td>
<td>156</td>
<td></td>
</tr>
<tr>
<td>Jenette</td>
<td>149</td>
<td></td>
</tr>
<tr>
<td>Sonora</td>
<td>128</td>
<td></td>
</tr>
<tr>
<td>Rosseta</td>
<td>89</td>
<td></td>
</tr>
<tr>
<td>Jiml</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>1-102W</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>2-43W</td>
<td>71</td>
<td></td>
</tr>
<tr>
<td>Aldrich</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Livingston</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Sano</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Plateau</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>1-87</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>Wood Colony</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>Padre</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Chips</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Yokut</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Morley</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Ruby</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Kahl</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mission</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Savana</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Fritz</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Donna</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Carmel</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Monterey</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>