

# 2023 STANDING ACREAGE - INITIAL ESTIMATE

In cooperation with the Almond Board of California

Release: April 27, 2023



## RESULTS

Each year Land IQ produces an in-year, statewide almond acreage estimate. The initial bearing acreage estimate is provided in April, with the final estimate, including a non-bearing estimate, provided in November.

The initial bearing acreage estimate is for the 2023 production year (September 1, 2022 - August 31, 2023). Removed orchards have been determined through spatial analysis as of March 31, 2023. Therefore, a numerical estimate of orchards to be removed based on historical analyses and present conditions from April 1, 2023 through August 31, 2023 is also included.

As a result, the 2023 initial estimates are:

- 1,366,362 acres of bearing almonds
- 77,714 acres of removed almonds

Both bearing acreage and removals will be updated for the final 2023 total acreage estimate to be delivered in November 2023. It should be noted that bearing acreage may be adjusted slightly (+/- 1-3%) following summer 2023 ground truthing verification. Any change will mostly likely affect acreage transitioning from non-bearing in 2022 to bearing in 2023, thus the impact on estimates of overall production volume should be considered negligible.

The following table represents removals and bearing acreage by County for 2023. Acreage by year planted and removals by year planted are provided on the following pages.

| County       | Bearing Acreage | Removed Acreage | County          | Bearing Acreage | Removed Acreage |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Alameda      | 1,545           | 0               | Placer          | 3,362           | 0               |
| Butte        | 31,025          | 1,860           | Riverside       | 6               | 0               |
| Calaveras    | 229             | 0               | Sacramento      | 3,632           | 0               |
| Colusa       | 61,979          | 1,461           | San Joaquin     | 90,406          | 1,722           |
| Contra Costa | 2,119           | 0               | San Luis Obispo | 2,206           | 0               |
| Fresno       | 250,172         | 15,903          | Solano          | 22,657          | 8               |
| Glenn        | 51,589          | 1,046           | Stanislaus      | 180,990         | 4,849           |
| Kern         | 189,529         | 15,491          | Sutter          | 16,378          | 260             |
| Kings        | 35,803          | 1,652           | Tehama          | 19,969          | 214             |
| Lake         | 50              | 0               | Tulare          | 79,662          | 2,693           |
| Madera       | 144,240         | 5,548           | Yolo            | 42,806          | 919             |
| Merced       | 145,375         | 4,576           | Yuba            | 3,032           | 112             |

\*Reflects standing acreage only, estimates are not included at the county level. Some differences may occur between sheets due to rounding.

## INTRODUCTION

Beginning in 2019, the ABC began an annual mapping process with two acreage summaries, one delivered in April and one delivered in November, during the same production year. The Land IQ April delivery informs and aligns with the United States Department of Agriculture (USDA) – National Agricultural Statistics Service (NASS) California Almond Forecast, which is an initial subjective forecast for acreage and yield.

## APPROACH

Land IQ draws upon on multiple lines of evidence including agronomic and remote sensing knowledge, unique field boundaries, robust on-the-ground verification, customized image analysis, artificial intelligence and machine learning algorithms to classify almond orchards.

For each mapped year, Land IQ performs the following steps:

1. Imagery Acquisition
2. Irrigated Field Boundary Delineation
3. Ground Truthing
4. Remote Sensing Analysis
5. Change Analysis and Update

For the initial estimate determining removals and bearing acreage, Land IQ utilizes the spatial mapping from 2022, in addition to a change analysis to determine removals.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 1984          |              | 1985       |            | 1986       |            | 1987         |            | 1988         |            |
|--------------------|---------------|--------------|------------|------------|------------|------------|--------------|------------|--------------|------------|
|                    | Bearing       | Removed      | Bearing    | Removed    | Bearing    | Removed    | Bearing      | Removed    | Bearing      | Removed    |
| Alameda            | 0             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Butte              | 5,210         | 487          | 14         | 38         | 79         | 123        | 251          | 0          | 180          | 0          |
| Calaveras          | 12            | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Colusa             | 639           | 0            | 10         | 0          | 50         | 0          | 24           | 0          | 16           | 0          |
| Contra Costa       | 3             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Fresno             | 167           | 39           | 0          | 74         | 0          | 0          | 1            | 0          | 85           | 0          |
| Glenn              | 857           | 102          | 47         | 0          | 58         | 0          | 77           | 0          | 6            | 0          |
| Kern               | 234           | 37           | 35         | 0          | 0          | 0          | 0            | 0          | 36           | 0          |
| Kings              | 0             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Lake               | 0             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Madera             | 1,729         | 45           | 9          | 0          | 139        | 0          | 4            | 61         | 12           | 0          |
| Merced             | 6,462         | 794          | 216        | 0          | 143        | 0          | 339          | 3          | 387          | 36         |
| Placer             | 0             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Riverside          | 0             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Sacramento         | 8             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| San Joaquin        | 4,028         | 375          | 217        | 2          | 83         | 0          | 140          | 2          | 174          | 87         |
| San Luis Obispo    | 89            | 0            | 19         | 0          | 21         | 0          | 24           | 0          | 9            | 0          |
| Solano             | 190           | 0            | 0          | 0          | 36         | 0          | 0            | 0          | 49           | 0          |
| Stanislaus         | 8,855         | 730          | 271        | 8          | 219        | 93         | 378          | 105        | 506          | 54         |
| Sutter             | 335           | 87           | 36         | 0          | 2          | 0          | 51           | 0          | 11           | 0          |
| Tehama             | 358           | 18           | 7          | 0          | 23         | 0          | 0            | 0          | 0            | 0          |
| Tulare             | 187           | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| Yolo               | 112           | 0            | 0          | 0          | 1          | 0          | 0            | 0          | 44           | 0          |
| Yuba               | 0             | 0            | 0          | 0          | 0          | 0          | 0            | 0          | 0            | 0          |
| <b>Grand Total</b> | <b>29,475</b> | <b>2,713</b> | <b>882</b> | <b>123</b> | <b>855</b> | <b>216</b> | <b>1,288</b> | <b>171</b> | <b>1,513</b> | <b>177</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 1989         |            | 1990         |            | 1991         |            | 1992         |            | 1993         |            |
|--------------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
|                    | Bearing      | Removed    | Bearing      | Removed    | Bearing      | Removed    | Bearing      | Removed    | Bearing      | Removed    |
| Alameda            | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          |
| Butte              | 177          | 0          | 347          | 0          | 197          | 0          | 248          | 176        | 297          | 193        |
| Calaveras          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 5            | 0          |
| Colusa             | 47           | 0          | 313          | 20         | 78           | 0          | 31           | 69         | 232          | 54         |
| Contra Costa       | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          |
| Fresno             | 100          | 6          | 382          | 189        | 133          | 30         | 147          | 244        | 250          | 0          |
| Glenn              | 286          | 0          | 161          | 0          | 132          | 26         | 252          | 0          | 449          | 0          |
| Kern               | 135          | 37         | 0            | 57         | 46           | 0          | 58           | 0          | 102          | 17         |
| Kings              | 0            | 0          | 0            | 0          | 0            | 0          | 2            | 0          | 0            | 0          |
| Lake               | 0            | 0          | 12           | 0          | 0            | 0          | 0            | 0          | 38           | 0          |
| Madera             | 81           | 36         | 100          | 0          | 105          | 0          | 112          | 0          | 597          | 113        |
| Merced             | 532          | 37         | 925          | 17         | 513          | 30         | 672          | 129        | 1,038        | 299        |
| Placer             | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          |
| Riverside          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          |
| Sacramento         | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          |
| San Joaquin        | 221          | 24         | 258          | 58         | 122          | 0          | 206          | 18         | 394          | 47         |
| San Luis Obispo    | 31           | 0          | 57           | 0          | 6            | 0          | 45           | 0          | 12           | 0          |
| Solano             | 8            | 0          | 43           | 0          | 0            | 0          | 53           | 0          | 112          | 0          |
| Stanislaus         | 207          | 50         | 753          | 6          | 569          | 84         | 666          | 27         | 1,253        | 59         |
| Sutter             | 36           | 0          | 139          | 0          | 56           | 0          | 73           | 0          | 43           | 0          |
| Tehama             | 11           | 0          | 21           | 0          | 26           | 0          | 0            | 0          | 0            | 0          |
| Tulare             | 0            | 0          | 3            | 0          | 78           | 0          | 75           | 0          | 208          | 0          |
| Yolo               | 20           | 0          | 174          | 0          | 0            | 0          | 3            | 0          | 284          | 68         |
| Yuba               | 0            | 0          | 0            | 0          | 0            | 0          | 0            | 0          | 36           | 0          |
| <b>Grand Total</b> | <b>1,892</b> | <b>190</b> | <b>3,686</b> | <b>346</b> | <b>2,061</b> | <b>170</b> | <b>2,641</b> | <b>663</b> | <b>5,350</b> | <b>849</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 1994         |            | 1995         |            | 1996         |              | 1997          |              | 1998          |              |
|--------------------|--------------|------------|--------------|------------|--------------|--------------|---------------|--------------|---------------|--------------|
|                    | Bearing      | Removed    | Bearing      | Removed    | Bearing      | Removed      | Bearing       | Removed      | Bearing       | Removed      |
| Alameda            | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 0             | 0            |
| Butte              | 182          | 0          | 353          | 0          | 103          | 0            | 277           | 111          | 805           | 97           |
| Calaveras          | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 0             | 0            |
| Colusa             | 397          | 105        | 164          | 58         | 327          | 18           | 1,252         | 80           | 560           | 75           |
| Contra Costa       | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 6             | 0            |
| Fresno             | 209          | 0          | 38           | 0          | 270          | 28           | 1,059         | 722          | 1,555         | 460          |
| Glenn              | 357          | 63         | 136          | 129        | 321          | 114          | 449           | 157          | 152           | 32           |
| Kern               | 142          | 151        | 68           | 110        | 654          | 396          | 690           | 315          | 2,735         | 355          |
| Kings              | 0            | 0          | 0            | 0          | 0            | 0            | 86            | 18           | 570           | 0            |
| Lake               | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 0             | 0            |
| Madera             | 734          | 68         | 533          | 48         | 755          | 18           | 1,445         | 109          | 1,079         | 86           |
| Merced             | 703          | 199        | 865          | 79         | 1,495        | 421          | 2,017         | 311          | 1,229         | 202          |
| Placer             | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 0             | 0            |
| Riverside          | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 0             | 0            |
| Sacramento         | 0            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 2             | 0            |
| San Joaquin        | 156          | 24         | 295          | 67         | 953          | 101          | 760           | 16           | 671           | 194          |
| San Luis Obispo    | 1,706        | 0          | 138          | 0          | 3            | 0            | 0             | 0            | 0             | 0            |
| Solano             | 31           | 0          | 110          | 8          | 0            | 0            | 5             | 0            | 159           | 0            |
| Stanislaus         | 1,631        | 54         | 1,252        | 40         | 1,290        | 245          | 1,698         | 343          | 2,694         | 507          |
| Sutter             | 104          | 21         | 1            | 0          | 47           | 0            | 603           | 0            | 101           | 70           |
| Tehama             | 5            | 0          | 18           | 41         | 137          | 0            | 165           | 98           | 108           | 0            |
| Tulare             | 152          | 0          | 106          | 0          | 148          | 0            | 123           | 53           | 177           | 76           |
| Yolo               | 131          | 0          | 12           | 161        | 232          | 11           | 148           | 298          | 176           | 24           |
| Yuba               | 2            | 0          | 0            | 0          | 0            | 0            | 0             | 0            | 0             | 0            |
| <b>Grand Total</b> | <b>6,642</b> | <b>684</b> | <b>4,088</b> | <b>740</b> | <b>6,735</b> | <b>1,352</b> | <b>10,777</b> | <b>2,633</b> | <b>12,781</b> | <b>2,178</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 1999          |              | 2000          |              | 2001          |              | 2002          |              | 2003          |              |
|--------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
|                    | Bearing       | Removed      | Bearing       | Removed      | Bearing       | Removed      | Bearing       | Removed      | Bearing       | Removed      |
| Alameda            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Butte              | 384           | 79           | 531           | 93           | 299           | 65           | 548           | 65           | 505           | 48           |
| Calaveras          | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Colusa             | 1,734         | 222          | 1,009         | 267          | 1,529         | 40           | 1,062         | 78           | 1,995         | 74           |
| Contra Costa       | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Fresno             | 1,238         | 965          | 3,151         | 984          | 2,468         | 1,248        | 4,749         | 648          | 4,061         | 1,132        |
| Glenn              | 278           | 0            | 391           | 0            | 465           | 0            | 536           | 0            | 1,262         | 289          |
| Kern               | 1,439         | 979          | 660           | 865          | 730           | 497          | 1,912         | 637          | 4,348         | 1,313        |
| Kings              | 318           | 75           | 123           | 165          | 238           | 0            | 1,034         | 17           | 136           | 0            |
| Lake               | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Madera             | 833           | 148          | 1,227         | 516          | 970           | 425          | 1,743         | 435          | 3,330         | 313          |
| Merced             | 1,647         | 236          | 1,973         | 136          | 1,671         | 550          | 1,919         | 69           | 2,822         | 198          |
| Placer             | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Riverside          | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Sacramento         | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| San Joaquin        | 1,199         | 133          | 978           | 104          | 1,137         | 116          | 1,090         | 12           | 1,274         | 75           |
| San Luis Obispo    | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 9             | 0            |
| Solano             | 87            | 0            | 112           | 0            | 146           | 0            | 34            | 0            | 148           | 0            |
| Stanislaus         | 2,146         | 417          | 2,470         | 379          | 1,584         | 34           | 2,954         | 244          | 2,828         | 216          |
| Sutter             | 137           | 16           | 74            | 0            | 103           | 11           | 0             | 0            | 126           | 0            |
| Tehama             | 146           | 0            | 346           | 0            | 301           | 0            | 221           | 0            | 239           | 0            |
| Tulare             | 571           | 43           | 85            | 37           | 19            | 101          | 495           | 38           | 615           | 431          |
| Yolo               | 421           | 46           | 188           | 5            | 282           | 0            | 112           | 63           | 609           | 0            |
| Yuba               | 0             | 48           | 47            | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| <b>Grand Total</b> | <b>12,579</b> | <b>3,407</b> | <b>13,365</b> | <b>3,551</b> | <b>11,944</b> | <b>3,088</b> | <b>18,409</b> | <b>2,305</b> | <b>24,307</b> | <b>4,087</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 2004          |              | 2005          |              | 2006          |              | 2007          |              | 2008          |              |
|--------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
|                    | Bearing       | Removed      | Bearing       | Removed      | Bearing       | Removed      | Bearing       | Removed      | Bearing       | Removed      |
| Alameda            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Butte              | 1,185         | 105          | 1,109         | 0            | 521           | 72           | 743           | 9            | 3,354         | 61           |
| Calaveras          | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Colusa             | 5,028         | 225          | 3,699         | 0            | 3,557         | 0            | 2,084         | 0            | 2,969         | 68           |
| Contra Costa       | 0             | 0            | 0             | 0            | 0             | 0            | 70            | 0            | 0             | 0            |
| Fresno             | 8,931         | 1,554        | 12,040        | 2,969        | 13,538        | 2,021        | 9,449         | 1,541        | 5,915         | 286          |
| Glenn              | 1,799         | 12           | 2,456         | 0            | 1,757         | 0            | 1,737         | 0            | 4,139         | 120          |
| Kern               | 8,892         | 3,712        | 14,875        | 1,925        | 12,908        | 1,804        | 6,119         | 693          | 5,327         | 31           |
| Kings              | 822           | 29           | 853           | 370          | 1,018         | 202          | 922           | 77           | 585           | 170          |
| Lake               | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Madera             | 5,445         | 293          | 5,541         | 769          | 7,759         | 320          | 6,300         | 1,178        | 11,284        | 255          |
| Merced             | 6,330         | 162          | 6,464         | 85           | 5,987         | 172          | 7,910         | 45           | 2,596         | 50           |
| Placer             | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            |
| Riverside          | 0             | 0            | 0             | 0            | 6             | 0            | 0             | 0            | 0             | 0            |
| Sacramento         | 0             | 0            | 0             | 0            | 0             | 0            | 0             | 0            | 14            | 0            |
| San Joaquin        | 2,552         | 55           | 2,176         | 60           | 1,835         | 36           | 2,087         | 22           | 1,727         | 21           |
| San Luis Obispo    | 0             | 0            | 0             | 0            | 0             | 0            | 5             | 0            | 0             | 0            |
| Solano             | 153           | 0            | 508           | 0            | 361           | 0            | 112           | 0            | 86            | 0            |
| Stanislaus         | 10,409        | 7            | 7,180         | 261          | 6,091         | 258          | 6,748         | 94           | 5,895         | 0            |
| Sutter             | 744           | 0            | 201           | 0            | 580           | 32           | 622           | 0            | 206           | 6            |
| Tehama             | 571           | 19           | 269           | 0            | 510           | 0            | 1,110         | 0            | 1,227         | 38           |
| Tulare             | 1,655         | 544          | 1,965         | 301          | 2,263         | 172          | 2,022         | 283          | 1,550         | 120          |
| Yolo               | 1,213         | 97           | 1,473         | 0            | 1,654         | 36           | 1,177         | 0            | 1,223         | 0            |
| Yuba               | 22            | 64           | 47            | 0            | 212           | 0            | 14            | 0            | 9             | 0            |
| <b>Grand Total</b> | <b>55,750</b> | <b>6,879</b> | <b>60,854</b> | <b>6,739</b> | <b>60,557</b> | <b>5,123</b> | <b>49,231</b> | <b>3,942</b> | <b>48,106</b> | <b>1,227</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 2009          |              | 2010          |            | 2011          |            | 2012          |            | 2013          |              |
|--------------------|---------------|--------------|---------------|------------|---------------|------------|---------------|------------|---------------|--------------|
|                    | Bearing       | Removed      | Bearing       | Removed    | Bearing       | Removed    | Bearing       | Removed    | Bearing       | Removed      |
| Alameda            | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Butte              | 1,271         | 0            | 1,178         | 0          | 648           | 0          | 356           | 0          | 568           | 0            |
| Calaveras          | 0             | 0            | 33            | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Colusa             | 2,505         | 0            | 2,069         | 3          | 2,058         | 0          | 1,219         | 0          | 1,885         | 0            |
| Contra Costa       | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Fresno             | 5,330         | 184          | 5,574         | 48         | 8,343         | 122        | 9,217         | 53         | 12,266        | 9            |
| Glenn              | 1,136         | 1            | 610           | 0          | 2,215         | 0          | 1,596         | 0          | 1,960         | 0            |
| Kern               | 5,586         | 8            | 4,349         | 63         | 8,665         | 19         | 6,432         | 0          | 7,797         | 1,002        |
| Kings              | 687           | 136          | 768           | 0          | 404           | 0          | 1,416         | 9          | 2,209         | 0            |
| Lake               | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Madera             | 5,506         | 240          | 2,907         | 36         | 9,033         | 0          | 4,382         | 3          | 7,693         | 32           |
| Merced             | 3,070         | 69           | 2,598         | 1          | 3,370         | 12         | 3,446         | 41         | 4,920         | 5            |
| Placer             | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Riverside          | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Sacramento         | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| San Joaquin        | 1,178         | 0            | 1,266         | 36         | 2,993         | 0          | 3,129         | 0          | 4,048         | 0            |
| San Luis Obispo    | 0             | 0            | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0            |
| Solano             | 121           | 0            | 38            | 0          | 128           | 0          | 13            | 0          | 181           | 0            |
| Stanislaus         | 4,483         | 399          | 3,519         | 0          | 8,450         | 7          | 6,621         | 0          | 9,798         | 62           |
| Sutter             | 414           | 0            | 172           | 0          | 355           | 17         | 60            | 0          | 366           | 0            |
| Tehama             | 341           | 0            | 109           | 0          | 298           | 0          | 510           | 0          | 1,211         | 0            |
| Tulare             | 2,236         | 112          | 2,294         | 66         | 3,073         | 0          | 1,962         | 2          | 1,081         | 0            |
| Yolo               | 1,853         | 108          | 475           | 0          | 1,801         | 0          | 537           | 0          | 2,657         | 0            |
| Yuba               | 0             | 0            | 7             | 0          | 31            | 0          | 0             | 0          | 224           | 0            |
| <b>Grand Total</b> | <b>35,718</b> | <b>1,257</b> | <b>27,967</b> | <b>252</b> | <b>51,866</b> | <b>177</b> | <b>40,896</b> | <b>108</b> | <b>58,863</b> | <b>1,110</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.

2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 2014          |            | 2015          |            | 2016           |            | 2017          |            | 2018           |           |
|--------------------|---------------|------------|---------------|------------|----------------|------------|---------------|------------|----------------|-----------|
|                    | Bearing       | Removed    | Bearing       | Removed    | Bearing        | Removed    | Bearing       | Removed    | Bearing        | Removed   |
| Alameda            | 146           | 0          | 376           | 0          | 166            | 0          | 0             | 0          | 185            | 0         |
| Butte              | 726           | 0          | 781           | 34         | 2,144          | 0          | 1,457         | 0          | 2,181          | 4         |
| Calaveras          | 0             | 0          | 99            | 0          | 80             | 0          | 0             | 0          | 0              | 0         |
| Colusa             | 1,446         | 0          | 2,211         | 7          | 5,535          | 1          | 3,416         | 0          | 3,765          | 0         |
| Contra Costa       | 0             | 0          | 0             | 0          | 55             | 0          | 236           | 0          | 18             | 0         |
| Fresno             | 16,955        | 94         | 19,891        | 206        | 25,656         | 25         | 24,171        | 0          | 22,030         | 12        |
| Glenn              | 2,434         | 0          | 464           | 0          | 5,580          | 0          | 4,683         | 0          | 4,513          | 0         |
| Kern               | 9,402         | 155        | 11,109        | 314        | 19,236         | 0          | 12,243        | 0          | 18,779         | 3         |
| Kings              | 2,375         | 120        | 3,725         | 0          | 6,796          | 142        | 2,333         | 121        | 3,238          | 0         |
| Lake               | 0             | 0          | 0             | 0          | 0              | 0          | 0             | 0          | 0              | 0         |
| Madera             | 12,091        | 0          | 7,721         | 0          | 11,310         | 0          | 11,588        | 2          | 7,176          | 0         |
| Merced             | 10,447        | 27         | 7,244         | 31         | 10,852         | 57         | 8,313         | 15         | 13,721         | 0         |
| Placer             | 21            | 0          | 0             | 0          | 1,032          | 0          | 0             | 0          | 883            | 0         |
| Riverside          | 0             | 0          | 0             | 0          | 0              | 0          | 0             | 0          | 0              | 0         |
| Sacramento         | 68            | 0          | 185           | 0          | 932            | 0          | 172           | 0          | 1,360          | 0         |
| San Joaquin        | 7,100         | 15         | 4,427         | 0          | 7,684          | 20         | 7,122         | 2          | 9,275          | 0         |
| San Luis Obispo    | 31            | 0          | 0             | 0          | 0              | 0          | 3             | 0          | 0              | 0         |
| Solano             | 2,664         | 0          | 4,863         | 0          | 4,540          | 0          | 2,532         | 0          | 1,886          | 0         |
| Stanislaus         | 12,468        | 8          | 8,921         | 35         | 12,440         | 15         | 9,253         | 6          | 13,290         | 0         |
| Sutter             | 380           | 0          | 438           | 0          | 2,566          | 0          | 400           | 0          | 2,083          | 0         |
| Tehama             | 1,437         | 0          | 594           | 0          | 3,516          | 0          | 833           | 0          | 1,996          | 0         |
| Tulare             | 7,743         | 152        | 7,586         | 17         | 11,529         | 137        | 5,425         | 0          | 10,546         | 7         |
| Yolo               | 3,990         | 0          | 4,197         | 0          | 5,447          | 3          | 3,914         | 0          | 3,253          | 0         |
| Yuba               | 164           | 0          | 216           | 0          | 345            | 0          | 55            | 0          | 389            | 0         |
| <b>Grand Total</b> | <b>92,086</b> | <b>571</b> | <b>85,047</b> | <b>643</b> | <b>137,442</b> | <b>400</b> | <b>98,149</b> | <b>147</b> | <b>120,566</b> | <b>27</b> |

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.



2023 Initial Bearing and Removed Acreage Estimates by Year Planted

|                    | 2019          |           | 2020*          |           | 2021 - 2023** |         | TOTAL            |               |
|--------------------|---------------|-----------|----------------|-----------|---------------|---------|------------------|---------------|
|                    | Bearing       | Removed   | Bearing        | Removed   | Standing      | Removed | Bearing          | Removed       |
| Alameda            | 540           | 0         | 132            | 0         |               |         | 1,545            | 0             |
| Butte              | 433           | 0         | 1,384          | 0         |               |         | 31,025           | 1,860         |
| Calaveras          | 0             | 0         | 0              | 0         |               |         | 229              | 0             |
| Colusa             | 4,125         | 0         | 2,938          | 0         |               |         | 61,979           | 1,461         |
| Contra Costa       | 133           | 0         | 1,598          | 0         |               |         | 2,119            | 0             |
| Fresno             | 14,517        | 11        | 16,287         | 0         |               |         | 250,172          | 15,903        |
| Glenn              | 2,387         | 0         | 5,449          | 0         |               |         | 51,589           | 1,046         |
| Kern               | 12,439        | 0         | 11,347         | 0         |               |         | 189,529          | 15,491        |
| Kings              | 2,637         | 0         | 2,508          | 0         |               |         | 35,803           | 1,652         |
| Lake               | 0             | 0         | 0              | 0         |               |         | 50               | 0             |
| Madera             | 7,815         | 2         | 5,153          | 0         |               |         | 144,240          | 5,548         |
| Merced             | 12,453        | 0         | 8,086          | 58        |               |         | 145,375          | 4,576         |
| Placer             | 325           | 0         | 1,102          | 0         |               |         | 3,362            | 0             |
| Riverside          | 0             | 0         | 0              | 0         |               |         | 6                | 0             |
| Sacramento         | 295           | 0         | 597            | 0         |               |         | 3,632            | 0             |
| San Joaquin        | 7,662         | 0         | 9,788          | 0         |               |         | 90,406           | 1,722         |
| San Luis Obispo    | 0             | 0         | 0              | 0         |               |         | 2,206            | 0             |
| Solano             | 2,021         | 0         | 1,126          | 0         |               |         | 22,657           | 8             |
| Stanislaus         | 11,420        | 0         | 9,780          | 0         |               |         | 180,990          | 4,849         |
| Sutter             | 2,192         | 0         | 2,522          | 0         |               |         | 16,378           | 260           |
| Tehama             | 1,130         | 0         | 2,174          | 0         |               |         | 19,969           | 214           |
| Tulare             | 3,564         | 0         | 10,127         | 0         |               |         | 79,662           | 2,693         |
| Yolo               | 2,176         | 0         | 2,819          | 0         |               |         | 42,806           | 919           |
| Yuba               | 771           | 0         | 442            | 0         |               |         | 3,032            | 112           |
| <b>Grand Total</b> | <b>89,034</b> | <b>13</b> | <b>102,359</b> | <b>58</b> |               |         | <b>1,385,762</b> | <b>58,314</b> |

Estimated Removals (4/2023-09/2023) 19,400 19,400  
**Total Estimated Acres 1,366,362 77,714**

Source: Land IQ. California Statewide Almond Mapping - 2023. Based on data from USDA National Agricultural Imaging Program (NAIP), USGS Landsat, and other private imagery resources.  
 \* 2020 Bearing Acreage will be finalized in November. An estimate of 7,000 acres has been added to the total, but not to each county.  
 \*\* A non-bearing estimate will be provided in November.