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Citrus Fruits 2020 Summary

August 2020

USDA



Contents

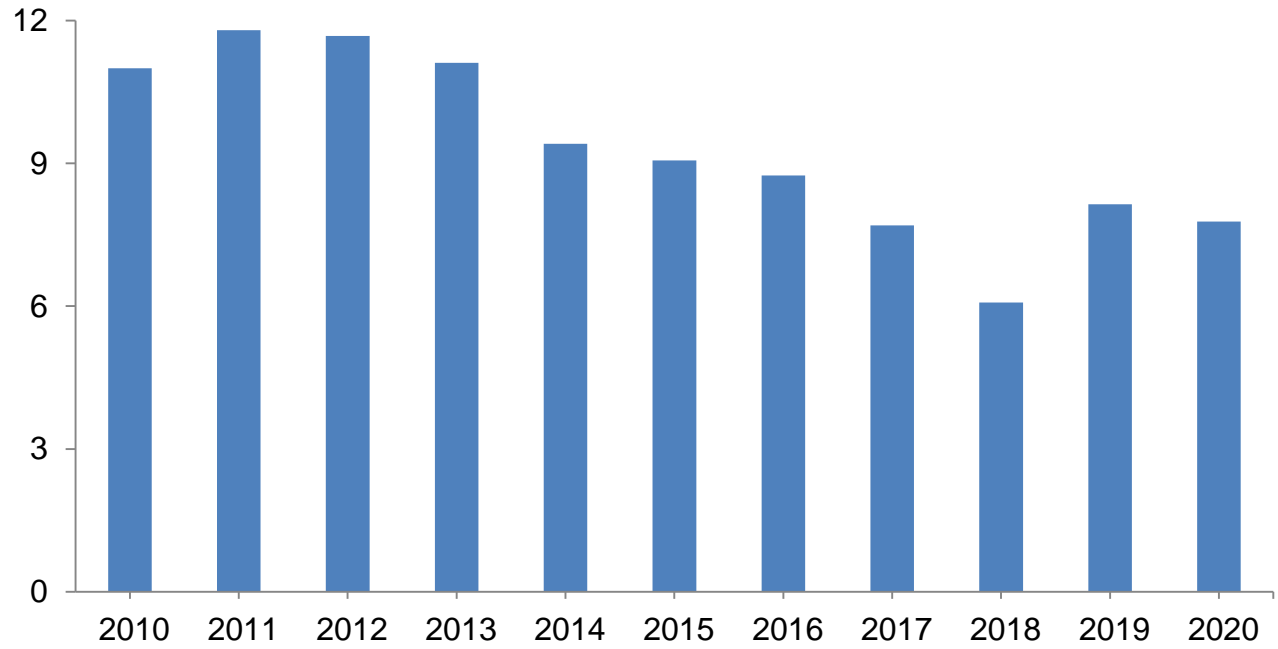
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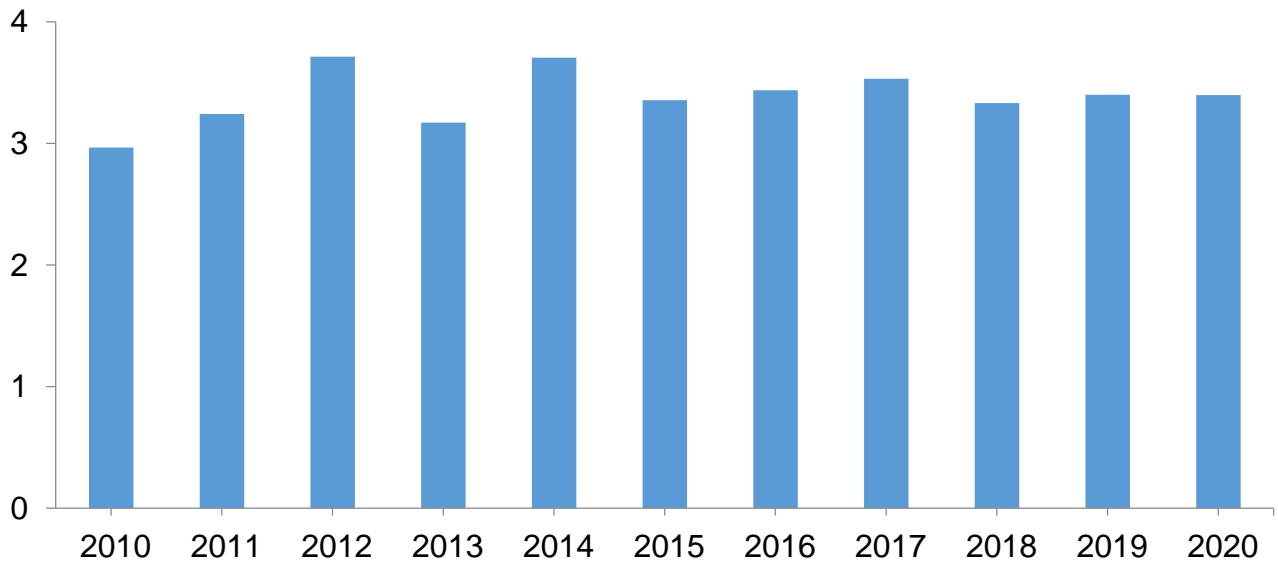
Utilized Citrus Production – United States

Million tons



Citrus Value of Production – United States

Billion dollars
(PHD equivalents)



Citrus Utilized Production Down 4 Percent, Value Down Slightly

Citrus utilized production for the 2019-20 season totaled 7.78 million tons, down 4 percent from the 2018-19 season. California accounted for 54 percent of total United States citrus production; Florida totaled 42 percent, and Texas and Arizona produced the remaining 4 percent.

Utilized citrus production in California was down 2 percent from the 2018-19 season. California's all orange production, at 53.3 million boxes, is 2 percent higher than the previous season. Grapefruit production is down 10 percent from the 2018-19 season and tangerine and mandarin production is down 17 percent.

Florida's orange production, at 67.3 million boxes, is down 6 percent from the previous season. Grapefruit utilization in Florida, at 4.85 million boxes, is up 8 percent from last season's utilization. Florida's total citrus utilization was down 5 percent from the previous season. Bearing citrus acreage, at 380,500 acres, is 6,600 acres below the 2018-19 season.

Utilized production of citrus in Texas is down 33 percent from the 2018-19 season. Orange production is down 46 percent from the previous season and grapefruit production is down 28 percent. Arizona's production of lemon is up 33 percent.

The value of the 2019-20 United States citrus crop was down slightly from last season, to 3.40 billion (packinghouse-door equivalent). Orange value of production decreased 3 percent from last season and grapefruit value is down 2 percent. Tangerine and mandarin value of production is up 16 percent from last season but lemon value of production is down 8 percent.

Overall comparisons discussed above are based on similar fruit types. The revised production and utilization estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use. Estimates for the 2019-20 California Valencia oranges and grapefruit are preliminary, since the marketing season is not complete at publication time. Revisions to the utilized production estimates for all citrus for the 2019-20 season will be published in the April 2021 Crop Production.

Citrus Acreage, Production, Utilization, and Value – States and United States: 2017-2018, 2018-2019, and 2019-2020

| State and season | Bearing acreage | Production ¹ | | | Value of production ² |
|----------------------|-----------------|-------------------------|--------------|--------------|----------------------------------|
| | | Total | Utilization | | |
| | | | Fresh | Processed | |
| | (acres) | (1,000 tons) | (1,000 tons) | (1,000 tons) | (1,000 dollars) |
| Arizona | | | | | |
| 2017-2018 | 7,300 | 40 | 32 | 8 | 34,197 |
| 2018-2019 | 7,300 | 54 | 37 | 17 | 42,680 |
| 2019-2020 | 7,300 | 72 | 52 | 20 | 50,002 |
| California | | | | | |
| 2017-2018 | 265,300 | 3,536 | 2,824 | 712 | 2,400,330 |
| 2018-2019 | 269,000 | 4,264 | 3,072 | 1,192 | 2,123,811 |
| 2019-2020 | 269,700 | 4,192 | 3,208 | 984 | 2,305,524 |
| Florida | | | | | |
| 2017-2018 | 400,900 | 2,228 | 221 | 2,007 | 795,007 |
| 2018-2019 | 387,100 | 3,472 | 230 | 3,242 | 1,143,538 |
| 2019-2020 | 380,500 | 3,283 | 267 | 3,015 | 957,767 |
| Texas | | | | | |
| 2017-2018 | 24,400 | 272 | 175 | 97 | 100,618 |
| 2018-2019 | 24,500 | 350 | 141 | 209 | 89,850 |
| 2019-2020 | 23,800 | 233 | 124 | 109 | 85,146 |
| United States | | | | | |
| 2017-2018 | 697,900 | 6,076 | 3,252 | 2,824 | 3,330,152 |
| 2018-2019 | 687,900 | 8,140 | 3,480 | 4,660 | 3,399,879 |
| 2019-2020 | 681,300 | 7,780 | 3,651 | 4,128 | 3,398,439 |

¹ Some totals may not add due to rounding.

² Packinghouse-door equivalents.

Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2017-2018, 2018-2019, and 2019-2020

| Crop and season | Bearing acreage | Production ¹ | | | Value of production ² |
|--|-----------------|-------------------------|--------------|--------------|----------------------------------|
| | | Total | Utilization | | |
| | | | Fresh | Processed | |
| | (acres) | (1,000 tons) | (1,000 tons) | (1,000 tons) | (1,000 dollars) |
| Oranges | | | | | |
| Early, midseason, and Navel | | | | | |
| 2017-2018 | 278,600 | 2,354 | 1,343 | 1,011 | 1,196,646 |
| 2018-2019 | 274,100 | 3,142 | 1,357 | 1,785 | 1,006,898 |
| 2019-2020 | 269,000 | 3,155 | 1,498 | 1,657 | 1,032,165 |
| Valencia | | | | | |
| 2017-2018 | 238,900 | 1,521 | 316 | 1,205 | 633,799 |
| 2018-2019 | 235,500 | 2,285 | 347 | 1,939 | 758,449 |
| 2019-2020 | 234,700 | 2,062 | 386 | 1,676 | 682,525 |
| All oranges | | | | | |
| 2017-2018 | 517,500 | 3,875 | 1,659 | 2,216 | 1,830,445 |
| 2018-2019 | 509,600 | 5,427 | 1,704 | 3,724 | 1,765,347 |
| 2019-2020 | 503,700 | 5,217 | 1,884 | 3,333 | 1,714,690 |
| Grapefruit ³ | | | | | |
| 2017-2018 | 54,800 | 509 | 298 | 211 | 207,970 |
| 2018-2019 | 49,700 | 604 | 281 | 322 | 202,712 |
| 2019-2020 | 46,400 | 535 | 297 | 237 | 199,621 |
| Lemons | | | | | |
| 2017-2018 | 54,300 | 888 | 680 | 208 | 715,761 |
| 2018-2019 | 56,300 | 1,002 | 737 | 265 | 730,843 |
| 2019-2020 | 57,300 | 1,100 | 760 | 340 | 671,929 |
| Tangerines and mandarins ⁴ | | | | | |
| 2017-2018 | 71,300 | 804 | 615 | 189 | 575,976 |
| 2018-2019 | 72,300 | 1,107 | 758 | 349 | 700,977 |
| 2019-2020 | 73,900 | 928 | 710 | 218 | 812,199 |

¹ Some totals may not add due to rounding.

² Packinghouse-door equivalents.

³ Includes pummelos in California.

⁴ Includes tangelos.

Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020

[See Statistical Methodology for net weight per box and price per box calculations]

| State, type, and season | Bearing acreage | Yield per acre | Utilization of production | | | Price per box ¹ | | | Value of production | | |
|-------------------------|-----------------|----------------|---------------------------|---------------|---------------|----------------------------|-----------|-----------|---------------------|-----------------|-----------------|
| | | | Total | Fresh | Processed | All | Fresh | Processed | Total | Fresh | Processed |
| | (acres) | (boxes) | (1,000 boxes) | (1,000 boxes) | (1,000 boxes) | (dollars) | (dollars) | (dollars) | (1,000 dollars) | (1,000 dollars) | (1,000 dollars) |
| California | | | | | | | | | | | |
| Navel and miscellaneous | | | | | | | | | | | |
| 2017-2018 | 118,000 | 304 | 35,900 | 30,900 | 5,000 | 25.36 | (D) | (D) | 910,492 | (D) | (D) |
| 2018-2019 | 118,000 | 356 | 42,000 | 31,400 | 10,600 | 14.19 | (D) | (D) | 596,030 | (D) | (D) |
| 2019-2020 | 117,000 | 379 | 44,300 | 34,900 | 9,400 | 15.26 | (D) | (D) | 676,091 | (D) | (D) |
| Valencia | | | | | | | | | | | |
| 2017-2018 | 29,000 | 286 | 8,300 | 5,900 | 2,400 | 22.00 | (D) | (D) | 182,560 | (D) | (D) |
| 2018-2019 | 29,000 | 352 | 10,200 | 7,000 | 3,200 | 10.14 | (D) | (D) | 103,428 | (D) | (D) |
| 2019-2020 | 28,000 | 321 | 9,000 | 7,500 | 1,500 | 17.29 | (D) | (D) | 154,980 | (D) | (D) |
| All | | | | | | | | | | | |
| 2017-2018 | 147,000 | 301 | 44,200 | 36,800 | 7,400 | 24.73 | (D) | (D) | 1,093,052 | (D) | (D) |
| 2018-2019 | 147,000 | 355 | 52,200 | 38,400 | 13,800 | 13.40 | (D) | (D) | 699,458 | (D) | (D) |
| 2019-2020 | 145,000 | 368 | 53,300 | 42,400 | 10,900 | 15.59 | (D) | (D) | 831,071 | (D) | (D) |
| Florida | | | | | | | | | | | |
| Non-Valencia | | | | | | | | | | | |
| 2017-2018 | 154,400 | 123 | 18,950 | 1,316 | 17,634 | 13.70 | 23.05 | 13.00 | 259,576 | 30,334 | 229,242 |
| 2018-2019 | 149,800 | 203 | 30,400 | 1,504 | 28,896 | 12.86 | 18.51 | 12.57 | 391,062 | 27,839 | 363,223 |
| 2019-2020 | 146,000 | 203 | 29,650 | 1,510 | 28,140 | 11.60 | 13.35 | 11.50 | 343,769 | 20,159 | 323,610 |
| Valencia | | | | | | | | | | | |
| 2017-2018 | 207,400 | 126 | 26,100 | 1,443 | 24,657 | 16.95 | 22.85 | 16.60 | 442,279 | 32,973 | 409,306 |
| 2018-2019 | 204,300 | 203 | 41,450 | 1,233 | 40,254 | 15.67 | 16.73 | 15.64 | 650,201 | 20,628 | 629,573 |
| 2019-2020 | 204,900 | 184 | 37,650 | 1,728 | 35,922 | 13.91 | 13.75 | 13.91 | 523,435 | 23,760 | 499,675 |
| All | | | | | | | | | | | |
| 2017-2018 | 361,800 | 125 | 45,050 | 2,759 | 42,291 | 15.58 | 22.95 | 15.10 | 701,855 | 63,307 | 638,548 |
| 2018-2019 | 354,100 | 203 | 71,850 | 2,737 | 69,150 | 14.48 | 17.71 | 14.36 | 1,041,263 | 48,467 | 992,796 |
| 2019-2020 | 350,900 | 192 | 67,300 | 3,238 | 64,062 | 12.89 | 13.56 | 12.85 | 867,204 | 43,919 | 823,285 |

See footnote(s) at end of table.

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Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020 (continued)

[See Statistical Methodology for net weight per box and price per box calculations]

| State, type, and season | Bearing acreage | Yield per acre | Utilization of production | | | Price per box ¹ | | | Value of production | | |
|-----------------------------|-----------------|----------------|---------------------------|---------------|---------------|----------------------------|-----------|-----------|---------------------|-----------------|-----------------|
| | | | Total | Fresh | Processed | All | Fresh | Processed | Total | Fresh | Processed |
| | (acres) | (boxes) | (1,000 boxes) | (1,000 boxes) | (1,000 boxes) | (dollars) | (dollars) | (dollars) | (1,000 dollars) | (1,000 dollars) | (1,000 dollars) |
| Texas | | | | | | | | | | | |
| Early and midseason | | | | | | | | | | | |
| 2017-2018 | 6,200 | 247 | 1,530 | 1,140 | 390 | 17.37 | (D) | (D) | 26,578 | (D) | (D) |
| 2018-2019 | 6,300 | 351 | 2,210 | 780 | 1,430 | 8.96 | (D) | (D) | 19,806 | (D) | (D) |
| 2019-2020 | 6,000 | 192 | 1,150 | 800 | 350 | 10.70 | (D) | (D) | 12,305 | (D) | (D) |
| Valencia | | | | | | | | | | | |
| 2017-2018 | 2,500 | 140 | 350 | 350 | - | 25.60 | (D) | (D) | 8,960 | (D) | (D) |
| 2018-2019 | 2,200 | 132 | 290 | 290 | - | 16.62 | (D) | (D) | 4,820 | (D) | (D) |
| 2019-2020 | 1,800 | 106 | 190 | 190 | - | 21.63 | (D) | (D) | 4,110 | (D) | (D) |
| All | | | | | | | | | | | |
| 2017-2018 | 8,700 | 216 | 1,880 | 1,490 | 390 | 18.90 | (D) | (D) | 35,538 | (D) | (D) |
| 2018-2019 | 8,500 | 294 | 2,500 | 1,070 | 1,430 | 9.85 | (D) | (D) | 24,626 | (D) | (D) |
| 2019-2020 | 7,800 | 172 | 1,340 | 990 | 350 | 12.25 | (D) | (D) | 16,415 | (D) | (D) |
| United States | | | | | | | | | | | |
| Early, midseason, and Navel | | | | | | | | | | | |
| 2017-2018 | 278,600 | 202 | 56,380 | 33,356 | 23,024 | 20.92 | 28.85 | 10.36 | 1,196,646 | 963,826 | 232,820 |
| 2018-2019 | 274,100 | 272 | 74,610 | 33,684 | 40,926 | 11.19 | 18.06 | 5.94 | 1,006,898 | 643,982 | 362,916 |
| 2019-2020 | 269,000 | 279 | 75,100 | 37,210 | 37,890 | 13.74 | 19.19 | 8.40 | 1,032,165 | 713,926 | 318,239 |
| Valencia | | | | | | | | | | | |
| 2017-2018 | 238,900 | 145 | 34,750 | 7,693 | 27,057 | 18.14 | 27.49 | 15.68 | 633,799 | 212,325 | 421,474 |
| 2018-2019 | 235,500 | 221 | 51,940 | 8,523 | 43,454 | 15.30 | 17.80 | 14.93 | 758,449 | 124,428 | 634,021 |
| 2019-2020 | 234,700 | 200 | 46,840 | 9,418 | 37,422 | 13.88 | 16.94 | 13.35 | 682,525 | 180,120 | 502,405 |
| All | | | | | | | | | | | |
| 2017-2018 | 517,500 | 176 | 91,130 | 41,049 | 50,081 | 19.82 | 28.59 | 13.25 | 1,830,445 | 1,176,151 | 654,294 |
| 2018-2019 | 509,600 | 248 | 126,550 | 42,207 | 84,380 | 14.43 | 19.06 | 12.35 | 1,765,347 | 768,410 | 996,937 |
| 2019-2020 | 503,700 | 242 | 121,940 | 46,628 | 75,312 | 14.06 | 19.17 | 10.90 | 1,714,690 | 894,046 | 820,644 |

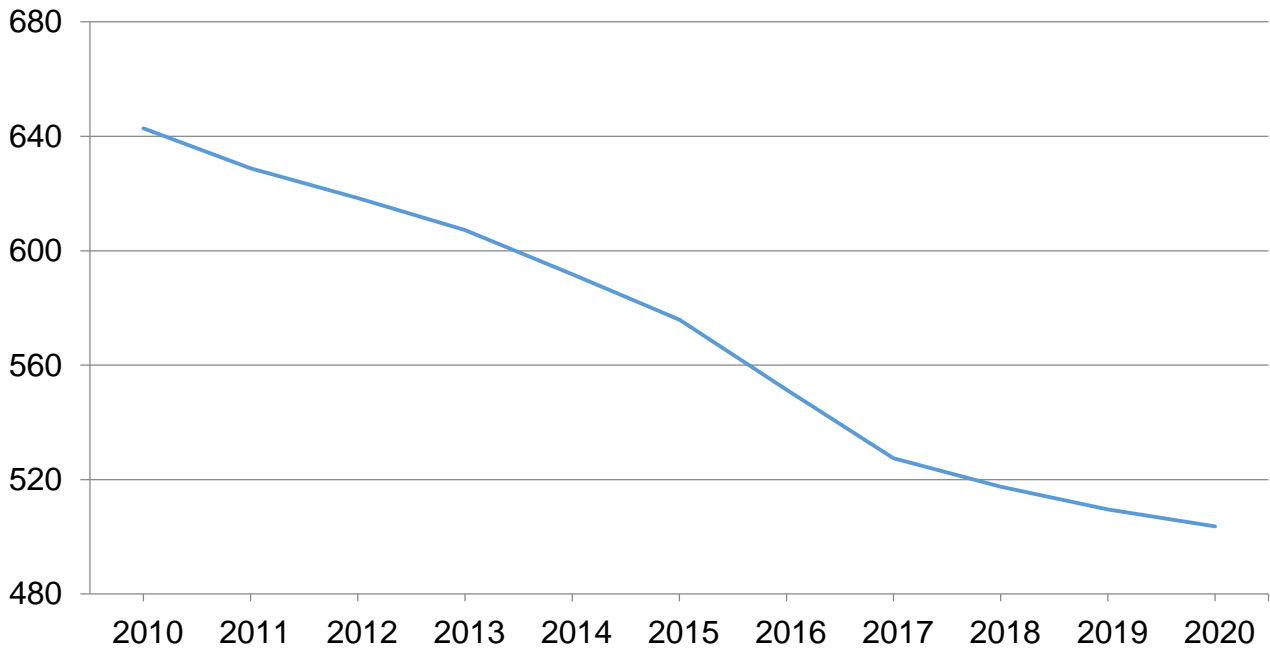
- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Equivalent packinghouse-door returns.

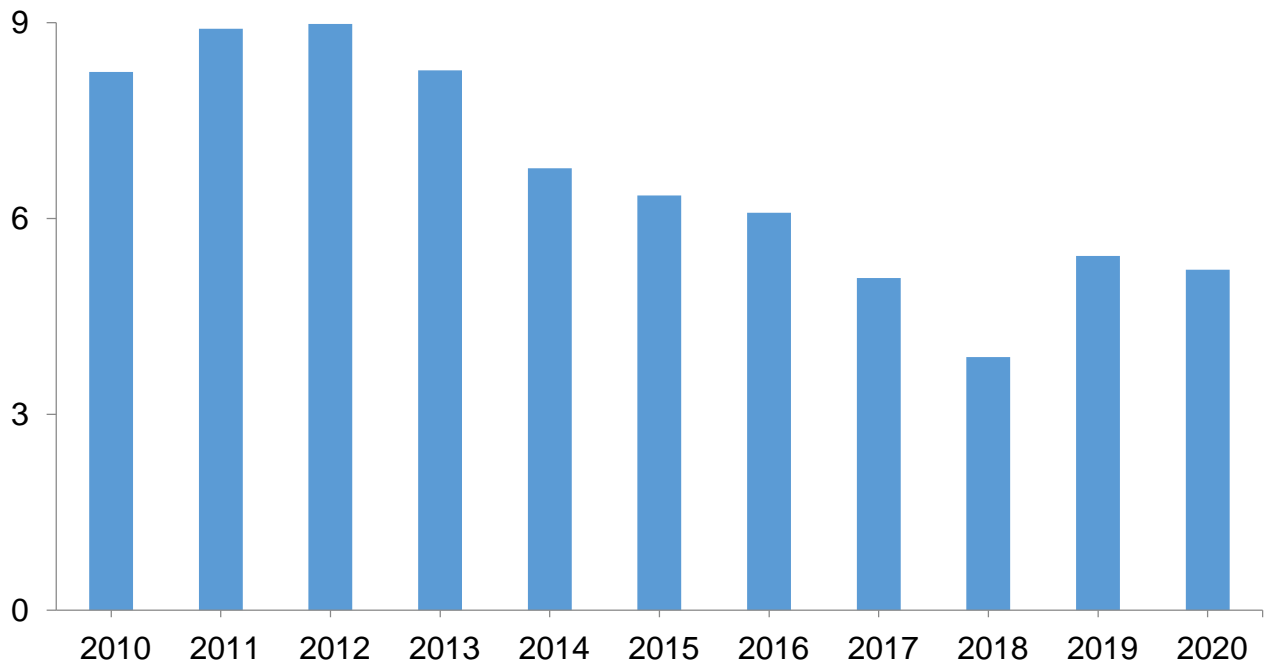
Bearing Acres of Oranges – United States

Thousand acres



Utilized Orange Production – United States

Million tons



Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020

[See Statistical Methodology for net weight per box and price per box calculations]

| State, type, and season | Bearing acreage | Yield per acre | Utilization of production | | | Price per box ¹ | | | Value of production | | |
|-----------------------------------|-----------------|----------------|---------------------------|---------------|---------------|----------------------------|-----------|-----------|---------------------|-----------------|-----------------|
| | | | Total | Fresh | Processed | All | Fresh | Processed | Total | Fresh | Processed |
| | (acres) | (boxes) | (1,000 boxes) | (1,000 boxes) | (1,000 boxes) | (dollars) | (dollars) | (dollars) | (1,000 dollars) | (1,000 dollars) | (1,000 dollars) |
| California ² | | | | | | | | | | | |
| 2017-2018 | 9,300 | 409 | 3,800 | 2,800 | 1,000 | 18.34 | (D) | (D) | 69,690 | (D) | (D) |
| 2018-2019 | 9,000 | 467 | 4,200 | 2,600 | 1,600 | 13.46 | (D) | (D) | 56,552 | (D) | (D) |
| 2019-2020 | 8,700 | 437 | 3,800 | 3,100 | 700 | 17.25 | (D) | (D) | 65,656 | (D) | (D) |
| Florida | | | | | | | | | | | |
| White ³ | | | | | | | | | | | |
| 2017-2018 | 6,300 | 111 | 700 | 189 | 511 | 16.81 | 28.45 | 12.50 | 11,765 | 5,377 | 6,388 |
| 2018-2019 | 4,300 | 179 | 770 | 221 | 549 | 17.61 | 29.65 | 12.76 | 13,558 | 6,553 | 7,005 |
| 2019-2020 | 3,700 | 214 | 790 | 195 | 595 | 11.05 | 13.35 | 10.30 | 8,732 | 2,603 | 6,129 |
| Red | | | | | | | | | | | |
| 2017-2018 | 23,500 | 135 | 3,180 | 1,555 | 1,625 | 19.32 | 26.55 | 12.40 | 61,435 | 41,285 | 20,150 |
| 2018-2019 | 20,400 | 183 | 3,740 | 1,700 | 2,040 | 18.02 | 23.83 | 13.17 | 67,378 | 40,511 | 26,867 |
| 2019-2020 | 18,000 | 226 | 4,060 | 1,942 | 2,118 | 13.92 | 18.45 | 9.76 | 56,502 | 35,830 | 20,672 |
| All | | | | | | | | | | | |
| 2017-2018 | 29,800 | 130 | 3,880 | 1,744 | 2,136 | 18.87 | 26.76 | 12.42 | 73,200 | 46,662 | 26,538 |
| 2018-2019 | 24,700 | 183 | 4,510 | 1,921 | 2,589 | 17.95 | 24.50 | 13.08 | 80,936 | 47,064 | 33,872 |
| 2019-2020 | 21,700 | 224 | 4,850 | 2,137 | 2,713 | 13.45 | 17.98 | 9.88 | 65,234 | 38,433 | 26,801 |
| Texas | | | | | | | | | | | |
| 2017-2018 | 15,700 | 306 | 4,800 | 2,800 | 2,000 | 13.56 | (D) | (D) | 65,080 | (D) | (D) |
| 2018-2019 | 16,000 | 381 | 6,100 | 2,400 | 3,700 | 10.69 | (D) | (D) | 65,224 | (D) | (D) |
| 2019-2020 | 16,000 | 275 | 4,400 | 3,100 | 700 | 11.01 | (D) | (D) | 68,731 | (D) | (D) |
| United States ² | | | | | | | | | | | |
| 2017-2018 | 54,800 | 228 | 12,480 | 7,344 | 5,136 | 16.71 | 23.88 | 6.56 | 207,970 | 175,042 | 32,928 |
| 2018-2019 | 49,700 | 298 | 14,810 | 6,921 | 7,889 | 13.69 | 23.02 | 5.50 | 202,712 | 159,304 | 43,408 |
| 2019-2020 | 46,400 | 281 | 13,050 | 8,337 | 4,713 | 16.03 | 20.50 | 6.97 | 199,621 | 170,958 | 28,663 |

(D) Withheld to avoid disclosing data for individual operations.

¹ Equivalent packinghouse-door returns.

² Includes pummelos in California.

³ Includes seedy grapefruit.

Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2017-2018, 2018-2019, and 2019-2020

[See Statistical Methodology for net weight per box and price per box calculations]

| Crop, State, and season | Bearing acreage | Yield per acre | Utilization of production | | | Price per box ¹ | | | Value of production | | |
|--|-----------------|----------------|---------------------------|---------------|---------------|----------------------------|-----------|-----------|---------------------|-----------------|-----------------|
| | | | Total | Fresh | Processed | All | Fresh | Processed | Total | Fresh | Processed |
| | (acres) | (boxes) | (1,000 boxes) | (1,000 boxes) | (1,000 boxes) | (dollars) | (dollars) | (dollars) | (1,000 dollars) | (1,000 dollars) | (1,000 dollars) |
| Lemons | | | | | | | | | | | |
| Arizona | | | | | | | | | | | |
| 2017-2018 | 7,300 | 137 | 1,000 | 805 | 195 | 34.20 | (D) | (D) | 34,197 | (D) | (D) |
| 2018-2019 | 7,300 | 185 | 1,350 | 930 | 420 | 31.61 | (D) | (D) | 42,680 | (D) | (D) |
| 2019-2020 | 7,300 | 247 | 1,800 | 1,300 | 500 | 27.77 | (D) | (D) | 50,002 | (D) | (D) |
| California | | | | | | | | | | | |
| 2017-2018 | 47,000 | 451 | 21,200 | 16,200 | 5,000 | 32.15 | (D) | (D) | 681,564 | (D) | (D) |
| 2018-2019 | 49,000 | 484 | 23,700 | 17,500 | 6,200 | 29.04 | (D) | (D) | 688,163 | (D) | (D) |
| 2019-2020 | 50,000 | 514 | 25,700 | 17,700 | 8,000 | 24.20 | (D) | (D) | 621,927 | (D) | (D) |
| United States | | | | | | | | | | | |
| 2017-2018 | 54,300 | 409 | 22,200 | 17,005 | 5,195 | 32.24 | (D) | (D) | 715,761 | (D) | (D) |
| 2018-2019 | 56,300 | 445 | 25,050 | 18,430 | 6,620 | 29.92 | (D) | (D) | 730,843 | (D) | (D) |
| 2019-2020 | 57,300 | 480 | 27,500 | 19,000 | 8,500 | 24.43 | (D) | (D) | 671,929 | (D) | (D) |
| Tangerines and mandarins ² | | | | | | | | | | | |
| California | | | | | | | | | | | |
| 2017-2018 | 62,000 | 310 | 19,200 | 14,800 | 4,400 | 28.96 | (D) | (D) | 556,024 | (D) | (D) |
| 2018-2019 | 64,000 | 414 | 26,500 | 18,300 | 8,200 | 25.65 | (D) | (D) | 679,638 | (D) | (D) |
| 2019-2020 | 66,000 | 333 | 22,000 | 17,000 | 5,000 | 35.77 | (D) | (D) | 786,870 | (D) | (D) |
| Florida | | | | | | | | | | | |
| 2017-2018 | 9,300 | 81 | 750 | 486 | 264 | 26.60 | 35.90 | 9.49 | 19,952 | 17,447 | 2,505 |
| 2018-2019 | 8,300 | 119 | 990 | 543 | 447 | 21.55 | 31.70 | 9.23 | 21,339 | 17,213 | 4,126 |
| 2019-2020 | 7,900 | 129 | 1,020 | 638 | 382 | 24.83 | 37.00 | 4.51 | 25,329 | 23,606 | 1,723 |
| United States | | | | | | | | | | | |
| 2017-2018 | 71,300 | 280 | 19,950 | 15,286 | 4,664 | 28.86 | 37.53 | 0.57 | 575,976 | 573,779 | 2,197 |
| 2018-2019 | 72,300 | 380 | 27,490 | 18,843 | 8,647 | 25.50 | 37.14 | 0.14 | 700,977 | 699,803 | 1,174 |
| 2019-2020 | 73,900 | 312 | 23,020 | 17,638 | 5,382 | 35.28 | 46.17 | -0.39 | 812,199 | 814,276 | -2,077 |

(D) Withheld to avoid disclosing data for individual operations.

¹ Equivalent packinghouse-door returns.

² Includes tangelos.

Citrus Prices

Revised State and United States monthly average prices and equivalent returns, and marketing year average prices for the 2018-19 and 2019-20 citrus crops are shown on the following pages. Revised monthly prices refer to all fruit sold in a given month regardless of the crop year in which the fruit was harvested.

Marketing year average prices refer to the prices received by growers for the entire marketing season for any one crop year. The crop year 2019-20 as shown on all citrus tables in this publication refers to the crop which bloomed in 2019 and was marketed during the 2019-20 season. For example, the 2019-20 marketing year average price received by Florida growers for grapefruit refers to marketings from September 2019 through June 2020. In some years the season may vary a month or two, but a price was estimated only for those months with sufficient movement.

Monthly and marketing year average prices are weighted by box size at the United States level for oranges, grapefruit, and tangerines and mandarins. See page 28 for approximate net contents per box at the State level.

Citrus prices are based on weighted average F.O.B. packed prices received for fresh fruit and weighted average prices received at the processing plant door for processing fruit. Equivalent returns for fresh and processed fruits are calculated at the packinghouse-door level and on-tree level by deducting hauling, picking, sorting, grading, packing, cooling, marketing, and other costs from the two base prices. In some cases, this results in negative returns.

Orange Average Prices and Equivalent Returns by Type and Season – California: 2018-2019 and 2019-2020

[Only months with reported prices in a given crop year are listed]

| Crop, season and month | FOB packed fresh (dollars per box) | Equivalent returns | | | | | |
|--------------------------------|---------------------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) |
| Oranges, all | | | | | | | |
| 2018-2019 | | | | | | | |
| September | 41.90 | 23.01 | 31.98 | (D) | 20.18 | 29.22 | (D) |
| October | 36.80 | 22.78 | 26.73 | (D) | 19.95 | 23.93 | (D) |
| November | 32.90 | 20.60 | 22.78 | (D) | 17.76 | 19.96 | (D) |
| December | 32.50 | 18.67 | 22.38 | (D) | 15.81 | 19.56 | (D) |
| January | 29.00 | 15.28 | 18.88 | (D) | 12.42 | 16.06 | (D) |
| February | 27.70 | 13.12 | 17.58 | (D) | 10.25 | 14.76 | (D) |
| March | 28.40 | 14.39 | 18.28 | (D) | 11.52 | 15.46 | (D) |
| April | 27.10 | 12.08 | 17.02 | (D) | 9.21 | 14.20 | (D) |
| May | 26.00 | 10.11 | 15.88 | (D) | 7.22 | 13.06 | (D) |
| June | 25.40 | 7.11 | 14.93 | (D) | 4.19 | 12.11 | (D) |
| July | 23.70 | 9.60 | 13.58 | (D) | 6.71 | 10.76 | (D) |
| August | 23.50 | 10.14 | 13.38 | (D) | 7.26 | 10.56 | (D) |
| 2019-2020 ¹ | | | | | | | |
| September | 25.80 | 10.20 | 15.68 | (D) | 7.30 | 12.86 | (D) |
| October | 28.70 | 14.82 | 19.10 | (D) | 11.92 | 16.25 | (D) |
| November | 31.90 | 19.59 | 22.28 | (D) | 16.68 | 19.40 | (D) |
| December | 31.00 | 17.37 | 20.68 | (D) | 14.46 | 17.80 | (D) |
| Navel and miscellaneous | | | | | | | |
| 2018-2019 | | | | | | | |
| October | (D) | (D) | (D) | (S) | (D) | (D) | (S) |
| November | 32.90 | 20.60 | 22.78 | (D) | 17.76 | 19.96 | (D) |
| December | 32.50 | 18.76 | 22.38 | (D) | 15.90 | 19.56 | (D) |
| January | 29.00 | 15.34 | 18.88 | (D) | 12.49 | 16.06 | (D) |
| February | 27.70 | 13.19 | 17.58 | (D) | 10.32 | 14.76 | (D) |
| March | 28.40 | 14.44 | 18.28 | (D) | 11.58 | 15.46 | (D) |
| April | 27.60 | 12.20 | 17.48 | (D) | 9.32 | 14.66 | (D) |
| May | 26.90 | 10.06 | 16.78 | (D) | 7.16 | 13.96 | (D) |
| June | 27.00 | 5.98 | 16.88 | (D) | 3.04 | 14.06 | (D) |
| 2019-2020 ¹ | | | | | | | |
| October | 31.50 | (D) | (D) | (D) | (D) | (D) | (D) |
| November | 31.90 | 18.00 | 21.58 | (D) | 15.09 | 18.70 | (D) |
| December | 31.00 | 17.13 | 20.68 | (D) | 14.22 | 17.80 | (D) |
| Valencia | | | | | | | |
| 2019 | | | | | | | |
| April | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| May | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| June | 23.10 | 9.67 | 12.98 | (D) | 6.79 | 10.16 | (D) |
| July | 23.70 | 9.83 | 13.58 | (D) | 6.95 | 10.76 | (D) |
| August | 23.50 | 9.20 | 13.38 | (D) | 6.30 | 10.56 | (D) |
| September | 25.80 | 9.81 | 15.68 | (D) | 6.91 | 12.86 | (D) |
| October | 25.90 | 11.22 | 15.78 | (D) | 8.33 | 12.96 | (D) |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2018-2019 and 2019-2020

[Only months with reported prices in a given crop year are listed]

| Crop, season and month | FOB packed fresh | Equivalent returns | | | | | |
|------------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All | Fresh | Process | All | Fresh | Process |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| Oranges, all | | | | | | | |
| 2018-2019 | | | | | | | |
| September | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | (S) | (S) | 23.55 | (S) | (S) | 20.15 | (S) |
| November | 34.30 | 15.10 | 22.95 | (S) | 11.84 | 19.55 | (S) |
| December | 30.80 | 12.86 | 19.45 | 12.60 | 9.65 | 16.05 | 9.40 |
| January | 30.10 | 12.77 | 18.79 | 12.60 | 9.56 | 15.39 | 9.40 |
| February | 27.90 | 12.89 | 16.58 | 12.70 | 9.68 | 13.23 | 9.51 |
| March | 30.20 | 15.63 | 18.86 | 15.54 | 12.57 | 15.60 | 12.49 |
| April | 28.60 | 15.64 | 17.25 | 15.60 | 12.58 | 14.00 | 12.55 |
| May | 28.90 | 15.74 | 17.55 | 15.70 | 12.69 | 14.30 | 12.65 |
| June | 29.40 | 15.88 | 18.05 | 15.70 | 12.81 | 14.80 | 12.65 |
| July | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| August | (D) | (S) | (S) | (S) | (S) | (S) | (S) |
| 2019-2020 ¹ | | | | | | | |
| September | (D) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | 28.40 | 15.61 | 17.05 | (S) | 12.26 | 13.65 | (S) |
| November | 28.00 | 14.31 | 16.65 | (S) | 10.99 | 13.25 | (S) |
| December | 25.30 | 11.70 | 13.95 | 11.60 | 8.50 | 10.55 | 8.40 |
| Non-Valencia | | | | | | | |
| 2018-2019 | | | | | | | |
| September | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | 34.90 | (S) | 22.05 | (S) | (S) | 18.85 | (S) |
| November | 34.30 | 14.64 | 21.45 | 11.70 | 11.58 | 18.25 | 8.70 |
| December | 30.80 | 12.80 | 17.95 | 12.60 | 9.80 | 14.75 | 9.60 |
| January | 30.10 | 12.72 | 17.25 | 12.60 | 9.72 | 14.05 | 9.60 |
| February | 25.20 | 12.59 | 12.35 | 12.60 | 9.59 | 9.15 | 9.60 |
| March | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| April | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 2019-2020 ¹ | | | | | | | |
| October | 28.40 | 14.47 | 15.55 | (S) | 11.30 | 12.35 | (S) |
| November | 28.00 | 13.43 | 15.15 | (S) | 10.29 | 11.95 | (S) |
| December | 25.30 | 11.64 | 12.45 | 11.60 | 8.58 | 9.25 | 8.55 |
| Valencia | | | | | | | |
| 2019 | | | | | | | |
| January | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| February | 32.60 | (S) | 19.75 | (S) | (S) | 16.45 | (S) |
| March | 30.40 | 15.65 | 17.55 | 15.60 | 12.55 | 14.25 | 12.50 |
| April | 28.60 | 15.60 | 15.75 | 15.60 | 12.50 | 12.45 | 12.50 |
| May | 28.90 | 15.71 | 16.05 | 15.70 | 12.60 | 12.75 | 12.60 |
| June | 29.40 | 15.76 | 16.55 | 15.70 | 12.65 | 13.25 | 12.60 |
| July | 29.30 | (S) | 16.45 | (S) | (S) | 13.15 | (S) |
| August | (D) | (S) | (S) | (S) | (S) | (S) | (S) |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2018-2019 and 2019-2020

[Only months with reported prices in a given crop year are listed]

| Crop, season and month | FOB packed fresh | Equivalent returns | | | | | |
|----------------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All | Fresh | Process | All | Fresh | Process |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| Oranges, all | | | | | | | |
| 2018-2019 | | | | | | | |
| November | 32.80 | 16.35 | 21.20 | (D) | 14.56 | 19.37 | (D) |
| December | 31.40 | 12.81 | 19.80 | (D) | 11.05 | 17.97 | (D) |
| January | 33.30 | 13.89 | 21.70 | (D) | 12.13 | 19.87 | (D) |
| February | 33.30 | 13.49 | 21.70 | (D) | 11.73 | 19.87 | (D) |
| March | 28.30 | 13.38 | 16.71 | (D) | 11.59 | 14.88 | (D) |
| April | 28.40 | 12.63 | 16.84 | (D) | 10.85 | 15.01 | (D) |
| May | 27.90 | (D) | 16.30 | (D) | (D) | 14.47 | (D) |
| 2019-2020 ¹ | | | | | | | |
| November | 27.20 | 14.03 | 15.60 | (D) | 12.22 | 13.77 | (D) |
| December | 24.90 | 9.93 | 13.30 | (D) | 8.15 | 11.47 | (D) |
| Early and midseason | | | | | | | |
| 2018-2019 | | | | | | | |
| November | 32.80 | 16.35 | 21.20 | (D) | 14.56 | 19.37 | (D) |
| December | 31.40 | 12.81 | 19.80 | (D) | 11.05 | 17.97 | (D) |
| January | 33.30 | 13.89 | 21.70 | (D) | 12.13 | 19.87 | (D) |
| February | 33.30 | 12.47 | 21.70 | (D) | 10.72 | 19.87 | (D) |
| March | (S) | (D) | (S) | (D) | (D) | (S) | (D) |
| April | (S) | (D) | (S) | (D) | (D) | (S) | (D) |
| May | (S) | (D) | (S) | (D) | (D) | (S) | (D) |
| 2019-2020 ¹ | | | | | | | |
| November | 27.20 | 14.03 | 15.60 | (D) | 12.22 | 13.77 | (D) |
| December | 24.90 | 9.93 | 13.30 | (D) | 8.15 | 11.47 | (D) |
| Valencia | | | | | | | |
| 2019 | | | | | | | |
| February | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| March | 27.90 | 16.30 | 16.30 | (S) | 14.47 | 14.47 | (S) |
| April | 27.90 | 16.30 | 16.30 | (S) | 14.47 | 14.47 | (S) |
| May | 27.90 | 16.29 | 16.30 | (S) | 14.47 | 14.47 | (S) |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Orange Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020

[Includes California, Florida, and Texas]

| Season and month | FOB packed fresh | Equivalent returns | | | | | |
|------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All | Fresh | Process | All | Fresh | Process |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| 2018-2019 | | | | | | | |
| September | 41.80 | 23.00 | 31.89 | (D) | 20.17 | 29.13 | (D) |
| October | 36.60 | 22.50 | 26.39 | (D) | 19.61 | 23.53 | (D) |
| November | 33.10 | 18.66 | 22.67 | 8.69 | 15.78 | 19.86 | 5.64 |
| December | 32.30 | 14.38 | 21.93 | 11.79 | 11.29 | 19.10 | 8.62 |
| January | 29.30 | 13.52 | 19.00 | 11.59 | 10.44 | 16.18 | 8.42 |
| February | 27.80 | 13.04 | 17.59 | 10.09 | 10.02 | 14.76 | 6.94 |
| March | 28.50 | 15.17 | 18.27 | 13.73 | 12.20 | 15.45 | 10.69 |
| April | 27.20 | 14.57 | 17.03 | 13.80 | 11.58 | 14.20 | 10.76 |
| May | 26.30 | 13.68 | 16.03 | 13.14 | 10.73 | 13.18 | 10.18 |
| June | 25.50 | 10.54 | 15.21 | 8.21 | 7.56 | 12.35 | 5.17 |
| July | 23.90 | 10.37 | 13.74 | (D) | 7.47 | 10.90 | (D) |
| August | 23.50 | 9.66 | 13.38 | (D) | 6.76 | 10.56 | (D) |
| 2019-2020 | | | | | | | |
| September | 25.80 | 9.81 | 15.68 | (D) | 6.91 | 12.86 | (D) |
| October | 28.70 | 14.88 | 18.95 | (D) | 11.95 | 16.06 | (D) |
| November | 31.00 | 17.49 | 21.02 | (D) | 14.58 | 18.15 | (D) |
| December | 30.10 | 13.15 | 19.59 | 10.78 | 10.04 | 16.69 | 7.60 |
| January | 27.90 | 12.40 | 17.46 | 10.68 | 9.30 | 14.58 | 7.51 |
| February | 27.20 | 12.70 | 16.81 | 9.74 | 9.68 | 13.93 | 6.60 |
| March | 26.70 | 13.06 | 16.31 | 11.72 | 10.06 | 13.43 | 8.67 |
| April | 28.70 | 14.04 | 18.19 | 12.51 | 11.03 | 15.29 | 9.45 |
| May | 32.70 | 15.82 | 21.99 | 12.59 | 12.82 | 19.08 | 9.53 |
| June | 35.60 | 19.10 | 25.27 | (D) | 16.15 | 22.37 | (D) |
| July | 32.90 | 18.51 | 22.35 | (D) | 15.53 | 19.41 | (D) |

(D) Withheld to avoid disclosing data for individual operations.

Grapefruit Average Prices and Equivalent Returns by Season – California: 2018-2019 and 2019-2020

[Includes pummelos]

| Season and month | FOB packed fresh | Equivalent returns | | | | | |
|------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All | Fresh | Process | All | Fresh | Process |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| 2018-2019 | | | | | | | |
| November | (D) | 23.60 | (D) | (S) | 21.14 | (D) | (S) |
| December | (D) | 24.20 | (D) | (S) | 21.74 | (D) | (S) |
| January | (D) | 22.60 | (D) | (S) | 20.14 | (D) | (S) |
| February | (D) | 22.00 | (D) | (S) | 19.54 | (D) | (S) |
| March | (D) | 15.27 | (D) | (D) | 12.46 | (D) | (D) |
| April | (D) | 15.02 | (D) | (D) | 12.16 | (D) | (D) |
| May | (D) | 16.02 | (D) | (D) | 13.20 | (D) | (D) |
| June | (D) | 14.29 | (D) | (D) | 11.36 | (D) | (D) |
| July | (D) | 11.72 | (D) | (D) | 8.62 | (D) | (D) |
| August | (D) | 8.93 | (D) | (D) | 5.66 | (D) | (D) |
| September | (D) | 11.03 | (D) | (D) | 7.88 | (D) | (D) |
| October | (D) | 9.94 | (D) | (D) | 6.64 | (D) | (D) |
| 2019-2020 | | | | | | | |
| November | (D) | 20.85 | (D) | (S) | 18.34 | (D) | (S) |
| December | (D) | 17.40 | (D) | (D) | 14.53 | (D) | (D) |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2018-2019 and 2019-2020

[Only months with reported prices in a given crop year are listed]

| Type, season and month | FOB packed fresh (dollars per box) | Equivalent returns | | | | | |
|---------------------------------------|---------------------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) |
| Grapefruit, all | | | | | | | |
| 2018-2019 | | | | | | | |
| September | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | 43.60 | 29.38 | 32.99 | 12.79 | 26.45 | 30.19 | 9.27 |
| November | 39.10 | 23.74 | 28.47 | 12.85 | 20.73 | 25.67 | 9.35 |
| December | 37.10 | 20.51 | 26.43 | 13.01 | 17.41 | 23.63 | 9.53 |
| January | 35.50 | 18.08 | 24.86 | 13.40 | 14.88 | 22.06 | 9.92 |
| February | 34.70 | 17.03 | 24.09 | 13.84 | 13.77 | 21.29 | 10.37 |
| March | 33.10 | 14.67 | 22.41 | 12.38 | 11.34 | 19.61 | 8.90 |
| April | 35.50 | 16.57 | 24.85 | 11.83 | 13.31 | 22.05 | 8.30 |
| May | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| June | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 2019-2020 ¹ | | | | | | | |
| September | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | 33.60 | 20.37 | 22.91 | (S) | 17.46 | 20.11 | (S) |
| November | 31.50 | 17.12 | 20.81 | 7.65 | 14.12 | 18.01 | 4.13 |
| December | 29.50 | 14.70 | 18.89 | 8.75 | 11.62 | 16.09 | 5.27 |
| Grapefruit, white ² | | | | | | | |
| 2018-2019 | | | | | | | |
| October | 44.20 | (S) | 31.85 | (S) | (S) | 28.90 | (S) |
| November | 45.20 | 24.96 | 32.85 | 12.10 | 21.92 | 29.90 | 8.90 |
| December | 43.00 | 20.42 | 30.65 | 12.30 | 17.33 | 27.70 | 9.10 |
| January | 40.60 | 18.04 | 28.25 | 12.70 | 14.92 | 25.30 | 9.50 |
| February | 39.60 | 16.01 | 27.25 | 13.10 | 12.86 | 24.30 | 9.90 |
| March | 39.60 | 13.18 | 27.25 | 12.70 | 9.99 | 24.30 | 9.50 |
| April | (D) | (S) | (S) | (S) | (S) | (S) | (S) |
| 2019-2020 ¹ | | | | | | | |
| October | 28.00 | 14.09 | 15.65 | (S) | 11.09 | 12.70 | (S) |
| November | 27.00 | 12.96 | 14.65 | 9.00 | 9.92 | 11.70 | 5.70 |
| December | 24.60 | 10.62 | 12.25 | 9.60 | 7.45 | 9.30 | 6.30 |
| Grapefruit, red | | | | | | | |
| 2018-2019 | | | | | | | |
| September | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | 43.60 | 28.13 | 31.25 | 12.90 | 24.92 | 28.15 | 9.15 |
| November | 38.30 | 22.19 | 25.95 | 13.00 | 18.90 | 22.85 | 9.25 |
| December | 36.20 | 19.40 | 23.85 | 13.20 | 16.02 | 20.75 | 9.45 |
| January | 34.50 | 17.23 | 22.15 | 13.60 | 13.76 | 19.05 | 9.85 |
| February | 33.90 | 16.65 | 21.55 | 14.10 | 13.12 | 18.45 | 10.35 |
| March | 32.90 | 14.51 | 20.55 | 12.30 | 10.93 | 17.45 | 8.55 |
| April | 35.50 | 16.06 | 23.15 | 11.70 | 12.56 | 20.05 | 7.95 |
| May | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| June | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 2019-2020 ¹ | | | | | | | |
| September | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| October | 34.10 | 19.42 | 21.75 | (S) | 16.24 | 18.65 | (S) |
| November | 31.90 | 16.20 | 19.55 | 7.50 | 12.94 | 16.45 | 3.85 |
| December | 30.10 | 14.27 | 17.75 | 8.50 | 10.96 | 14.65 | 4.85 |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

² Includes seedy grapefruit.

Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2018-2019 and 2019-2020

[Only months with reported prices in a given crop year are listed]

| Season and month | FOB packed fresh | Equivalent returns | | | | | |
|------------------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All | Fresh | Process | All | Fresh | Process |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| 2018-2019 | | | | | | | |
| November | 37.80 | 18.40 | 26.20 | (D) | 16.84 | 24.59 | (D) |
| December | 38.40 | 15.01 | 26.80 | (D) | 13.47 | 25.19 | (D) |
| January | 36.90 | 12.26 | 25.30 | (D) | 10.73 | 23.69 | (D) |
| February | 36.90 | 10.57 | 25.30 | (D) | 9.05 | 23.69 | (D) |
| March | 33.00 | 8.14 | 21.40 | (D) | 6.63 | 19.79 | (D) |
| April | 33.70 | 8.43 | 22.10 | (D) | 6.92 | 20.49 | (D) |
| May | 33.70 | (D) | 22.10 | (D) | (D) | 20.49 | (D) |
| 2019-2020¹ | | | | | | | |
| November | 34.40 | 17.46 | 22.80 | (D) | 15.88 | 21.19 | (D) |
| December | 34.50 | 14.13 | 22.90 | (D) | 12.58 | 21.29 | (D) |

(D) Withheld to avoid disclosing data for individual operations.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Grapefruit Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020

[Includes pummelos in California. Includes California, Florida, and Texas]

| Season and month | FOB packed fresh | Equivalent returns | | | | | |
|------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All | Fresh | Process | All | Fresh | Process |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| 2018-2019 | | | | | | | |
| September | (D) | 18.00 | (D) | (D) | 15.14 | (D) | (D) |
| October | 37.60 | 23.28 | 28.51 | 6.73 | 20.40 | 25.89 | 3.04 |
| November | 37.60 | 20.85 | 26.80 | 6.17 | 18.66 | 24.65 | 3.88 |
| December | 37.30 | 17.81 | 26.44 | 6.63 | 15.55 | 24.25 | 4.28 |
| January | 34.70 | 15.99 | 24.46 | 7.37 | 13.65 | 22.23 | 4.92 |
| February | 35.10 | 14.72 | 24.40 | 9.33 | 12.15 | 22.11 | 6.60 |
| March | 32.20 | 11.27 | 21.47 | 6.66 | 8.92 | 19.38 | 4.21 |
| April | 30.40 | 11.84 | 21.19 | 3.22 | 9.62 | 19.00 | 0.98 |
| May | (D) | 8.85 | (D) | (D) | 6.78 | (D) | (D) |
| June | (D) | 14.49 | (D) | (D) | 11.55 | (D) | (D) |
| July | (D) | 11.72 | (D) | (D) | 8.62 | (D) | (D) |
| August | (D) | 8.93 | (D) | (D) | 5.66 | (D) | (D) |
| 2019-2020 | | | | | | | |
| September | (D) | 13.43 | (D) | (D) | 10.33 | (D) | (D) |
| October | 31.60 | 14.23 | 22.21 | (D) | 11.09 | 19.55 | (D) |
| November | 31.90 | 14.05 | 16.62 | 4.74 | 12.20 | 14.96 | 2.21 |
| December | 32.00 | 14.50 | 20.99 | 5.07 | 12.18 | 18.78 | 2.59 |
| January | 30.20 | 11.91 | 19.93 | 5.49 | 9.56 | 17.65 | 3.08 |
| February | 30.10 | 11.51 | 19.12 | 7.34 | 8.95 | 16.88 | 4.60 |
| March | 31.80 | 12.11 | 20.98 | 6.73 | 9.56 | 18.74 | 3.99 |
| April | (D) | 13.72 | (D) | (D) | 11.03 | (D) | (D) |
| May | (D) | 14.68 | (D) | (D) | 12.00 | (D) | (D) |
| June | (D) | 16.70 | (D) | (D) | 13.80 | (D) | (D) |
| July | (D) | 18.94 | (D) | (D) | 16.13 | (D) | (D) |

(D) Withheld to avoid disclosing data for individual operations.

Lemon Average Prices and Equivalent Returns by Season – California: 2018-2019 and 2019-2020

| Season and month | FOB packed fresh (dollars per box) | Equivalent returns | | | | | |
|------------------------------|---------------------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) |
| 2018-2019 | | | | | | | |
| August | 77.70 | 56.83 | 67.47 | (S) | 50.41 | 60.82 | (S) |
| September | 79.30 | 59.72 | 69.07 | (S) | 53.26 | 62.42 | (S) |
| October | 60.40 | 47.42 | 50.17 | (S) | 40.86 | 43.52 | (S) |
| November | 52.30 | 38.09 | 42.07 | (D) | 31.59 | 35.42 | (D) |
| December | 48.40 | 33.63 | 38.17 | (D) | 27.18 | 31.52 | (D) |
| January | 44.60 | 28.27 | 34.37 | (D) | 21.92 | 27.72 | (D) |
| February | 41.10 | 22.37 | 30.87 | (D) | 16.19 | 24.22 | (D) |
| March | 40.10 | 21.77 | 29.87 | (D) | 15.59 | 23.22 | (D) |
| April | 40.50 | 19.45 | 30.27 | (D) | 13.38 | 23.62 | (D) |
| May | 40.90 | 22.78 | 30.67 | (D) | 16.55 | 24.02 | (D) |
| June | 43.40 | 25.71 | 33.17 | (D) | 19.43 | 26.52 | (D) |
| July | 46.20 | 28.43 | 35.97 | (D) | 22.12 | 29.32 | (D) |
| 2019-2020¹ | | | | | | | |
| August | 49.30 | 35.05 | 38.87 | (D) | 28.42 | 32.09 | (D) |
| September | 50.60 | 34.79 | 40.17 | (D) | 28.22 | 33.39 | (D) |
| October | 51.10 | 36.01 | 40.67 | (D) | 29.41 | 33.89 | (D) |
| November | 48.90 | 32.88 | 38.47 | (D) | 26.33 | 31.69 | (D) |
| December | 45.80 | 29.26 | 35.37 | (D) | 22.75 | 28.59 | (D) |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Beginning in January 2020, State level monthly price estimates have been discontinued.

Lemon Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020

[Includes Arizona and California]

| Season and month | FOB packed fresh (dollars per box) | Equivalent returns | | | | | |
|------------------|---------------------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|
| | | Packinghouse door | | | On-tree | | |
| | | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) | All (dollars per box) | Fresh (dollars per box) | Process (dollars per box) |
| 2018-2019 | | | | | | | |
| August | 77.70 | 56.83 | 67.47 | (S) | 50.41 | 60.82 | (S) |
| September | 79.20 | 59.71 | 68.99 | (S) | 53.26 | 62.34 | (S) |
| October | 61.00 | 48.02 | 50.74 | (S) | 41.45 | 44.09 | (S) |
| November | 53.00 | 38.46 | 42.73 | (D) | 31.97 | 36.08 | (D) |
| December | 48.70 | 32.89 | 38.43 | (D) | 26.48 | 31.78 | (D) |
| January | 44.90 | 28.12 | 34.64 | (D) | 21.79 | 27.99 | (D) |
| February | 41.10 | 21.92 | 30.90 | (D) | 15.77 | 24.25 | (D) |
| March | 40.10 | 21.77 | 29.87 | (D) | 15.59 | 23.22 | (D) |
| April | 40.50 | 19.45 | 30.27 | (D) | 13.38 | 23.62 | (D) |
| May | 40.90 | 22.78 | 30.67 | (D) | 16.55 | 24.02 | (D) |
| June | 43.40 | 25.71 | 33.17 | (D) | 19.43 | 26.52 | (D) |
| July | 46.20 | 28.43 | 35.97 | (D) | 22.12 | 29.32 | (D) |
| 2019-2020 | | | | | | | |
| August | 49.30 | 35.05 | 38.87 | (D) | 28.42 | 32.09 | (D) |
| September | 50.90 | 35.24 | 40.47 | (D) | 28.66 | 33.69 | (D) |
| October | 51.70 | 36.95 | 41.24 | (D) | 30.34 | 34.46 | (D) |
| November | 49.20 | 33.23 | 38.77 | (D) | 26.67 | 31.99 | (D) |
| December | 45.80 | 28.97 | 35.38 | (D) | 22.48 | 28.60 | (D) |
| January | 42.90 | 22.45 | 32.46 | (D) | 16.17 | 25.68 | (D) |
| February | 40.30 | 20.66 | 29.83 | (D) | 14.35 | 23.05 | (D) |
| March | 38.20 | 16.40 | 27.76 | (D) | 10.25 | 20.98 | (D) |
| April | 38.50 | 16.88 | 28.07 | (D) | 10.72 | 21.29 | (D) |
| May | 40.80 | 20.67 | 30.37 | (D) | 14.38 | 23.59 | (D) |
| June | 44.70 | 25.91 | 34.27 | (D) | 19.50 | 27.49 | (D) |
| July | 47.50 | 27.39 | 37.07 | (D) | 21.01 | 30.29 | (D) |

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Marketing Year Average Prices Received for Oranges – States and United States: 2018-2019 and 2019-2020

| State, type, and utilization | 2018-2019 | | | 2019-2020 | | |
|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | FOB packed | Equiv. PHD | Equiv. on-tree | FOB packed | Equiv. PHD | Equiv. on-tree |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| California | | | | | | |
| Navel and miscellaneous | (NA) | 14.19 | 11.32 | (NA) | 15.26 | 12.34 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| Valencia | (NA) | 10.14 | 7.26 | (NA) | 17.29 | 14.37 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| All | (NA) | 13.40 | 10.53 | (NA) | 15.59 | 12.67 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| Florida | | | | | | |
| Non-Valencia | (NA) | 12.86 | 9.85 | (NA) | 11.60 | 8.54 |
| Fresh | 31.40 | 18.51 | 15.31 | 26.20 | 13.35 | 10.15 |
| Processing | (NA) | 12.57 | 9.57 | (NA) | 11.50 | 8.45 |
| Valencia | (NA) | 15.67 | 12.56 | (NA) | 13.91 | 10.80 |
| Fresh | 29.60 | 16.73 | 13.43 | 26.60 | 13.75 | 10.45 |
| Processing | (NA) | 15.64 | 12.54 | (NA) | 13.91 | 10.81 |
| All | (NA) | 14.48 | 11.42 | (NA) | 12.89 | 9.80 |
| Fresh | 30.60 | 17.71 | 14.46 | 26.40 | 13.56 | 10.31 |
| Processing | (NA) | 14.36 | 11.30 | (NA) | 12.85 | 9.77 |
| Texas | | | | | | |
| Early and midseason | (NA) | 8.96 | 7.24 | (NA) | 10.70 | 8.92 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| Valencia | (NA) | 16.62 | 14.79 | (NA) | 21.63 | 19.79 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| All | (NA) | 9.85 | 8.12 | (NA) | 12.25 | 10.46 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| United States | | | | | | |
| Early, midseason, and Navel | (NA) | 11.19 | 8.85 | (NA) | 13.74 | 10.79 |
| Fresh | 29.50 | 18.06 | 15.39 | 29.10 | 19.19 | 16.32 |
| Processing | (NA) | 5.94 | 3.86 | (NA) | 8.40 | 5.35 |
| Valencia | (NA) | 15.30 | 12.25 | (NA) | 13.88 | 10.81 |
| Fresh | 28.40 | 17.80 | 14.95 | 27.90 | 16.94 | 14.00 |
| Processing | (NA) | 14.93 | 11.84 | (NA) | 13.35 | 10.25 |
| All | (NA) | 14.43 | 11.43 | (NA) | 14.06 | 11.06 |
| Fresh | 29.30 | 19.06 | 16.23 | 28.90 | 19.17 | 16.29 |
| Processing | (NA) | 12.35 | 9.27 | (NA) | 10.90 | 7.82 |

(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.

Marketing Year Average Prices Received for Grapefruit – States and United States: 2018-2019 and 2019-2020

| State, type, and utilization | 2018-2019 | | | 2019-2020 | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | FOB packed | Equiv. PHD | Equiv. on-tree | FOB packed | Equiv. PHD | Equiv. on-tree |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| California ¹ | (NA) | 13.46 | 10.47 | (NA) | 17.25 | 14.47 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| Florida | | | | | | |
| Red | (NA) | 18.02 | 14.56 | (NA) | 13.92 | 10.53 |
| Fresh | 36.20 | 23.83 | 20.73 | 30.80 | 18.45 | 15.35 |
| Processing | (NA) | 13.17 | 9.42 | (NA) | 9.76 | 6.11 |
| White ² | (NA) | 17.61 | 14.48 | (NA) | 11.05 | 7.84 |
| Fresh | 42.00 | 29.65 | 26.70 | 25.70 | 13.35 | 10.41 |
| Processing | (NA) | 12.76 | 9.56 | (NA) | 10.30 | 7.00 |
| All | (NA) | 17.95 | 14.55 | (NA) | 13.45 | 10.09 |
| Fresh | 36.90 | 24.50 | 21.42 | 30.30 | 17.98 | 14.90 |
| Processing | (NA) | 13.08 | 9.45 | (NA) | 9.88 | 6.31 |
| Texas | (NA) | 10.69 | 9.17 | (NA) | 11.01 | 9.49 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| United States ¹ | (NA) | 13.69 | 11.18 | (NA) | 16.03 | 13.40 |
| Fresh | 33.40 | 23.02 | 20.68 | 30.60 | 20.50 | 18.18 |
| Processing | (NA) | 5.50 | 2.84 | (NA) | 6.97 | 3.69 |

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Includes pummelos.

² Includes seedy grapefruit.

Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States: 2018-2019 and 2019-2020

| Crop, State, and utilization | 2018-2019 | | | 2019-2020 | | |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | FOB packed | Equiv. PHD | Equiv. on-tree | FOB packed | Equiv. PHD | Equiv. on-tree |
| | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) | (dollars per box) |
| Lemons | | | | | | |
| Arizona | (NA) | 31.61 | 25.39 | (NA) | 27.77 | 21.38 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| California | (NA) | 29.04 | 22.74 | (NA) | 24.20 | 17.85 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| United States | (NA) | 29.18 | 22.88 | (NA) | 24.43 | 18.08 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| Tangerines and mandarins ¹ | | | | | | |
| California | (NA) | 25.65 | 22.06 | (NA) | 35.77 | 32.25 |
| Fresh | (D) | (D) | (D) | (D) | (D) | (D) |
| Processing | (NA) | (D) | (D) | (NA) | (D) | (D) |
| Florida | (NA) | 21.55 | 17.04 | (NA) | 24.83 | 20.23 |
| Fresh | 46.10 | 31.70 | 27.25 | 51.40 | 37.00 | 32.55 |
| Processing | (NA) | 9.23 | 4.63 | (NA) | 4.51 | -0.34 |
| United States | (NA) | 25.50 | 21.87 | (NA) | 35.28 | 31.72 |
| Fresh | 46.78 | 37.14 | 34.05 | 56.03 | 46.17 | 43.01 |
| Processing | (NA) | 0.14 | -4.65 | (NA) | -0.39 | -5.28 |

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Includes tangelos.

Terms and Definitions

Citrus crop year: Begins with the bloom of the first year listed and ends with the year harvest is completed.

Equivalent on-tree (EOT) price: Represents the PHD price minus picking and hauling costs.

Freight on board (FOB) price: A commercial price term that signifies a contractual agreement between a buyer and a seller to have the subject of a sale delivered to a designated place, usually either the "place of shipment" or the "place of destination," without expense to the buyer. This term indicates delivery will be made on board or into a carrier by the shipper without charge. The abbreviation FOB is usually followed by a shipping point or destination. Reports from fresh fruit sales organizations and from citrus packers provide data for an average FOB price.

Packinghouse door (PHD) price: The packinghouse door is generally referred to as the point of first sale. PHD prices are calculated by subtracting costs incurred through the packinghouse from the FOB price. These costs may include sorting, grading, packing, cooling, etc.

Marketing Year Average Prices and Value of Production

State level marketing year average (MYA), or price per box, for fresh and processed sales are the weighted average of monthly sales that occur during a crop's marketing season, adjusted to the packinghouse-door level. The "all" sales MYA price is derived by dividing the "all" sales value by the "all" sales boxes. MYA prices at the United States level for commodities with different State box weights are computed as follows:

$$\text{Fresh Market MYAP} = \frac{\sum(\text{State Fresh Value} * \text{State Box Weight})}{\sum(\text{State Fresh Boxes} * \text{State Box Weight})}$$

$$\text{Process Market MYAP} = \frac{\sum(\text{State Process Value} * \text{State Box Weight})}{\sum(\text{State Process Boxes} * \text{State Box Weight})}$$

$$\text{"All" Sales MYAP} = \frac{\sum(\text{State All Value} * \text{State Box Weight})}{\sum(\text{State All Boxes} * \text{State Box Weight})}$$

For commodities with the same box weights across all States, the United States MYA prices are derived by dividing the sum of States' values by the sum of States' boxes.

United States value of production for a given commodity is the sum of the States' values for that commodity. The State level value of production for each commodity is computed as follows:

$$\text{Fresh Market Value} = \text{Fresh Market MYAP} * \text{Fresh Market Boxes}$$

$$\text{Process Market Value} = \text{Process Market MYAP} * \text{Process Market Boxes}$$

$$\text{"All" Sales Value} = \text{Fresh Market Value} + \text{Process Market Value}$$

Citrus prices are based on weighted average FOB packed prices received for fresh fruit and weighted average prices received at the processing plant door for processing fruit. Equivalent returns for fresh and processed fruit are calculated at the packinghouse-door level by deducting sorting, grading, packing, cooling, marketing, and other costs from the two base prices. In some cases, this results in negative returns.

Box Weights by Crop - States: 2017-2018, 2018-2019, and 2019-2020

| State | Crop year | | |
|--|-----------------------|-----------------------|-----------------------|
| | 2017-2018 (pounds) | 2018-2019 (pounds) | 2019-2020 (pounds) |
| Oranges | | | |
| California | 80 | 80 | 80 |
| Florida | 90 | 90 | 90 |
| Texas | 85 | 85 | 85 |
| Grapefruit | | | |
| California ¹ | 80 | 80 | 80 |
| Florida | 85 | 85 | 85 |
| Texas | 80 | 80 | 80 |
| Lemons | | | |
| Arizona | 80 | 80 | 80 |
| California | 80 | 80 | 80 |
| Tangerines and mandarins ² | | | |
| California | 80 | 80 | 80 |
| Florida | 95 | 95 | 95 |

¹ Includes pummelos.

² Includes tangelos.

Marketing Seasons

Oranges, Early, midseason, and Navel:

| | |
|-----------------|-----------------------|
| California..... | October 1 to June 15 |
| Florida | October 1 to March 31 |
| Texas | October 1 to April 30 |

Oranges, Valencia:

| | |
|-----------------|------------------------|
| California..... | March 15 to October 31 |
| Florida | January 1 to July 31 |
| Texas | January 15 to May 31 |

Grapefruit:

| | |
|---------------------------------------|--------------------------|
| California (including pummelos) | November 1 to October 31 |
| Florida | September 15 to June 30 |
| Texas | October 1 to May 31 |

Lemons:

| | |
|-----------------|----------------------------|
| Arizona..... | September 1 to February 28 |
| California..... | August 1 to July 31 |

Tangerines and mandarins (including tangelos):

| | |
|-----------------|--------------------------|
| California..... | October 1 to May 15 |
| Florida | September 15 to April 30 |

Statistical Methodology

Survey Procedures: Grower and objective measurement surveys are used to collect acreage, production, yield, price, and value data. Grower surveys are conducted by mail, telephone, and personal interview. Objective measurement data is collected in citrus groves.

Estimating Procedures: Information obtained from the citrus grower and objective measurement surveys along with administrative data is used to establish estimates of bearing acres, production, yield, price, and value. These estimates are reviewed for errors, reasonableness, and consistency with historical estimates.

Revision Policy: Current season estimates are open for revision in April and August.

Reliability: The citrus grower surveys are subject to non-sampling errors such as omission, duplication, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov

| | |
|---|----------------|
| Lance Honig, Chief, Crops Branch | (202) 720-2127 |
| Fleming Gibson, Head, Fruits, Vegetables and Special Crops Section..... | (202) 720-2127 |
| Anastasiya Osborne – Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco | (202) 720-4288 |
| Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia, Mandarins and tangerines, Mushrooms, Olives, Oranges | (202) 720-5412 |
| Heidi Lanouette – Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries, Wild Blueberries..... | (202) 720-4285 |
| Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils, Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelons | (202) 720-3250 |
| Krishna Rizal – Dry Beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup, Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes | (202) 720-2157 |
| Dawn Smoker – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans | (202) 720-4215 |

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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