

EARLY SUN GRAND NECTARINES
(matures in mid to late June)

Cost Analysis Work Sheet

Sample costs to produce Early Sun Grand nectarines in Fresno County for fresh shipment. Costs are for a mature orchard containing 108 trees per planted acre, producing 13 tons of fruit, with approximately 15% discarded as culls. Man labor \$2.00 per hour total, and equipment operator \$2.20. Medium wheel tractor per hour cash costs \$1.40, depreciation 60¢ and interest 30¢.

| | Sample Costs | | My Costs | |
|--|----------------|--------------|----------|---------|
| | Per Acre | Per Ton | Per Acre | Per Ton |
| PRE-HARVEST CASH COSTS: | | | | |
| Pruning: 108 trees at \$1.10 | 118.80 | | | |
| Brush disposal: contract \$6.00 per acre | 6.00 | | | |
| 3 man hrs. raking brush | 6.00 | | | |
| Fertilize: 100 lbs. N at 12¢ | 12.00 | | | |
| ½ hr. man & tractor | 1.80 | | | |
| Spray 2 times: materials | 43.10 | | | |
| application: .175¢ gallon | 23.30 | | | |
| Furrow 3 times: 1½ hrs. man & tractor | 5.40 | | | |
| Irrigate 7 times: labor 13 hrs. | 26.00 | | | |
| 3½ ft. water: power & tax \$4 ac. ft. | 14.00 | | | |
| Disc 5 times: 7½ hrs. man & tractor | 27.00 | | | |
| Thin: 108 trees at \$1.30 | 140.40 | | | |
| Prop & tie: labor 5 hrs. | 10.00 | | | |
| materials | 3.75 | | | |
| Plant covercrop: 60 lbs. barley | 2.40 | | | |
| ½ hr. man & tractor | 1.80 | | | |
| Taxes | 28.00 | | | |
| Misc. labor, materials, field power: includes | | | | |
| 4 man hrs. & 1 tractor hr. | 11.60 | | | |
| Repairs to equipment except tractor | 8.00 | | | |
| Office, car, operating capital, insurance, etc. | 56.65 | | | |
| Total Pre-harvest Cash Costs | 556.00 | 42.77 | | |
| HARVESTING COSTS: | | | | |
| Pick: 1000 lugs (22 lbs.) at 40¢ | 400.00 | | | |
| Roadside: 12 man hrs. & 7 tractor hrs. | 35.20 | | | |
| Misc. 4 man hrs. & 1 tractor hr. | 9.60 | | | |
| Total Harvesting Costs | 444.80 | 34.21 | | |
| TOTAL CASH COSTS | 1000.80 | 76.98 | | |
| DEPRECIATION: | | | | |
| Irrigation system & well: \$240 cost 25 yr. life | 9.60 | | | |
| Bldgs. & equip. except tractor: \$120 cost 15 yr. life | 8.00 | | | |
| Tractor: 19 hrs. at 60¢ | 11.40 | | | |
| Trees: cost \$1260 including patent, 20 yr. life | 63.00 | | | |
| Total Depreciation | 92.00 | 7.08 | | |
| INTEREST ON INVESTMENT AT 7%: | | | | |
| Irrigation system & well: ½ cost \$120 | 8.40 | | | |
| Bldgs. & equip. except tractor: ½ cost \$60 | 4.20 | | | |
| Tractor: 19 hrs. at 30¢ | 5.70 | | | |
| Trees: ½ cost \$630 | 44.10 | | | |
| Land: \$900 | 63.00 | | | |
| Total Interest on Investment | 125.40 | 9.65 | | |
| TOTAL COST OF PRODUCTION | 1218.20 | 93.71 | | |
| 300 lbs. culls per ton (15%) | no value | | | |
| Net cost of 1700 lbs. merchantable fruit | 93.71 | | | |
| Net cash cost of 22 lbs. merchantable fruit (1 lug) | 1.00 | | | |
| Total cost of one 22 lb. lug | 1.21 | | | |

EARLY SUN GRAND NECTARINE PRODUCTION

Cost Analysis Work Sheet

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This work sheet was developed to show sample costs for a rather high yield, mature orchard under Fresno County conditions. These costs will be useful as a guide when a specific orchard planting is under consideration.

When using this work sheet, it is important to consider the following:

1. Seasonal variations in climate influence fruit set and quality. Consequently, differences in thinning, pest control and cullage will occur.
2. These sample costs are based on 10 acre tree fruit operations and larger.
3. No account is taken for partial or complete crop loss due to frost, wind, labor problems, etc.
4. No allowance is made for cost of management.
5. Present bearing Early Sun Grand nectarine orchards were subject to patent fees at planting time. Most other nectarine varieties are subject to patent fees.
6. Some other varieties including Late Le Grand, Sun Grand, Red Grand, and Le Grand will have production costs fairly similar to Early Sun Grand.

Sample Costs at Varying Yields

| Yield: Tons per acre | Average | | | Exceptional | |
|-------------------------------------|---------|-------|-------|-------------|-------|
| | 10 | 12 | 14 | 16 | 18 |
| Total cost of production per ton | 112.74 | 99.08 | 89.32 | 82.02 | 76.36 |
| Cash costs only: for one 22 lb. lug | 1.18 | 1.05 | .96 | .89 | .83 |
| Total costs per 22 lb. lug | 1.46 | 1.28 | 1.16 | 1.06 | .99 |
| Packed lugs per acre | 773 | 927 | 1081 | 1237 | 1391 |

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