

ESTABLISHMENT COST FOR HIGH DENSITY APPLE ORCHARD - FIRST YEAR 1970

Size of orchard: 22 acres. Planting design: 16' between rows with trees 8' apart in the row. Semi-dwarf and spur-type trees were used in the planting. This planting is on sloping sandy clay of Sebastopol area, and preparation included some tile for drainage, some leveling, chiseling and fumigation for a nematode population from a former berry operation. The permanent irrigation system has only the main lines in with faucets for 5/8" pull-hose small sprinklers. Additional cost will be necessary for one more well (2 on system now but limited gallonage) and more sprinklers or drip-type emitters.

PREPLANT COSTS (Does not include one season land use while preparing for planting.)

Bulldozing, grading, leveling stump removal & Chisel	\$ 2,933.00
Blasting and rock removal prior to drainage	159.00
Digging drainage trenches, hauling back fill & comp. drainage	2,324.00
Soil fumigation (475 lbs. Methylbromide per acre)	8,064.00
Irrigation well & pump plus connecting existing well	3,413.00
	<u>\$16,893.00</u>

PLANTING COSTS

7,000 trees, including Calif. sales tax	11,273.00
Trucking costs	700.00
Planting costs	3,887.00
	<u>\$15,860.00</u>

POST PLANTING COSTS THROUGH FIRST LEAF

Hoeing around trees	268.00
Latex paint & application (for sun & insect protection)	231.00
Tillage, rotovating 2 times	1,155.00
Irrigation system (Main lines & well improvement)	2,800.00
Labor for irrigation (4 times, pull-hose sprinklers)	100.00
Electrical power for irrigation	100.00
Cover crop seed and planting cost	196.00
Mowing cover crop 2 times	189.00
2 applications of fertilizer (Urea spray)	196.00
Insect & disease control	95.00
Rodent control (gophers)	35.00
Labor for insect & disease control plus fertilizing	160.00
Tax on land and buildings	371.00
Total for 22 acres	<u>\$38,649.00</u>
Cost per acre	\$ 1,757.00

SECOND AND THIRD YEAR ADDITIONAL COSTS

Pull-hose, 5/8" plastic system with small 2-arm rotating sprinklers
One additional small well
8' deer fence
December strip weed spray along rows; mowed weed sod between rows:
2 more mowings.
Pruning trees annually.