

## Enterprise Budget: Costs and Returns per acre from growing Cantaloupe, 2006

Item	Quantity per acre	Unit	\$/Unit	Value/cost per acre	Your Farm
<b>Receipts</b>					
Cantaloupe	15.0	ton	\$500.00	\$7,500.00	_____
<b>Subtotal</b>				\$7,500.00	_____
<b>Operating costs</b>					
Land preparation					
Plowing	1	acre	\$6.07	\$6.07	_____
Discing	1	acre	\$3.07	\$3.07	_____
Land plane	1	acre	\$3.45	\$3.45	_____
Roller harrow	2	acre	\$3.79	\$7.58	_____
Plastic mulch	2	4,000 ft roll	\$60.00	\$120.00	_____
Laying plastic	1	acre	\$60.00	\$60.00	_____
Removing plastic labor	4	hours	\$11.00	\$44.00	_____
Removing plastic tractor	1	hours	\$20.00	\$20.00	_____
Planting	1	acre	\$5.50	\$5.50	_____
Seed	2	pounds	\$700.00	\$1,400.00	_____
Thinning & 1st Hand Weeding	9	hours	\$11.00	\$99.00	_____
Cultivation	2	acre	\$3.04	\$6.08	_____
Hand weeding (2x)	4	hours	\$11.00	\$44.00	_____
Fertilization					
Liquid 32 (32-0-0)	30	gallons	\$0.84	\$25.08	_____
Phosphate (11-52-0)	200	pounds	\$0.17	\$33.60	_____
Potassium (0-0-60)	130	pounds	\$0.28	\$36.01	_____
Custom application	4	acre	\$4.01	\$16.04	_____
Pollination (Bee Hives)	2	hives/acre	\$20.00	\$40.00	_____
Pesticides/herbicides					
Prefar (pre-plant)	5.00	quart	\$15.00	\$75.00	_____
Brava	1.50	pint	\$6.25	\$9.38	_____
Rally	3.00	ounce	\$5.10	\$15.30	_____
Sevin	1.00	quart	\$8.00	\$8.00	_____
Lannate	1.00	quart	\$15.50	\$15.50	_____
Kelthane	1	pounds	\$15.33	\$11.50	_____
custom application	6	acre	\$7.82	\$46.92	_____
Irrigation (furrow)	9	irrigations			
Labor	4.00	hours	\$11.00	\$44.00	_____
Water assessment	1	share	\$10.00	\$10.00	_____
Harvesting					
Hired Labor	100	hours	\$11.00	\$1,100.00	_____
Interest on operating capital			7.61%	\$125.14	_____
<b>Subtotal</b>				\$3,430.21	_____
<b>Ownership costs (excludes cost of land)</b>				\$66.65	_____
Farm insurance	1	acre	\$2.00	\$2.00	_____
Machinery ownership costs	1	acre	\$64.65	\$64.65	_____
<b>Total costs</b>				\$3,496.86	_____
<b>Net returns to owner for unpaid labor, management, equity and risk</b>					
Above operating costs				\$4,069.79	_____
Above total listed costs				\$4,003.14	_____

**Assumptions:**

1. The planting costs listed assume seeding using a hybrid seed. A non-hybrid would cost \$200 per pound. If transplants were used, there would be \$120 in cost for transplants (\$2 per flat using 60 flats of 50 plants per flat) and \$88 per acre for labor (4 People for 2 hours per acre).
  2. Plastic mulch may not be used for later production.
  3. The costs listed for pesticides and herbicides are for one application of each. Depending on the situation some of them may be applied more than once or not at all.
  4. Interest computed on planting costs for 10 months and fertilization/herbicides for 4 months.
  5. Machinery operating costs include: fuel, oil, repairs, and labor.
  6. Machinery ownership costs are allocated based on equipment used for each crop.
  7. Machinery ownership costs include depreciation, interest, insurance, and housing.
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