

WATERMELONS IRRIGATED, HAND HARVESTED, FRESH MARKET**Note:** To customize this budget, you can change the numbers in blue

Reminder: Your costs and returns will vary. The values listed are intended for use in planning.

**ESTIMATED COSTS PER ACRE:**

	UNIT	QUANTITY	COST PER UNIT	TOTAL PER ACRE	YOUR FARM
TOTAL RECEIPTS					
WATERMELONS ('20 lbs each)	EACH	1,800.00	\$3.50	\$6,300.00	_____
VARIABLE COSTS					
<u>PRE-HARVEST</u>					
SOIL TEST	ACRE	1.00	\$7.00	\$7.00	_____
PLANTS	THOUSAND	2.00	\$186.00	\$372.00	_____
LIME	TON	1.00	\$40.00	\$40.00	_____
<u>FERTILIZER:</u>					
NITROGEN	UNIT	0.00	\$0.43	\$0.00	_____
PHOSPHORUS	UNIT	141.00	\$0.38	\$53.58	_____
POTASSIUM	UNIT	240.00	\$0.33	\$79.20	_____
CALCIUM NITRATE	CWT	7.20	\$50.00	\$360.00	_____
MACHINERY (PRE-HARVEST)	ACRE	1.00	\$73.63	\$73.63	_____
HERBICIDES	ACRE	1.00	\$30.00	\$30.00	_____
INSECTICIDES	ACRE	1.00	\$16.00	\$16.00	_____
FUNGICIDES	ACRE	1.00	\$105.00	\$105.00	_____
IRRIGATION SUPPLIES	ACRE	1.00	\$288.93	\$288.93	_____
PLASTIC MULCH	ROLL	1.50	\$285.00	\$427.50	_____
DRIP TAPE	ROLL	1.00	\$175.00	\$175.00	_____
WATER	IN.-ACRE		\$0.00	\$0.00	_____
LAND RENT	ACRE	1.00	\$100.00	\$100.00	_____
CROP INSURANCE	ACRE	1.00	\$0.00	\$0.00	_____
IRRIGATION LABOR	HOUR	10.00	\$12.00	\$120.00	_____
HAND LABOR	HOUR	10.00	\$12.00	\$120.00	_____
<u>HARVEST:</u>					
MACHINERY (TRUCK/TRAILER)	ACRE	1.00	\$40.48	\$40.48	_____
HARVEST LABOR*	HOURS	44.00	\$12.00	\$528.00	_____
CRATES	EACH	50.00	\$22.00	\$1,100.00	_____
HARVEST (HAULING/FUEL)	CRATE	50.00	\$0.98	\$49.00	_____
MARKETING	CRATE	50.00	\$0.35	\$17.50	_____
INTEREST ON OPERATING CAPITAL	DOLLARS	2,051.41	4%	\$82.06	_____
TOTAL VARIABLE COSTS				\$4,184.88	_____
INCOME ABOVE VARIABLE COSTS				\$2,115.12	_____
FIXED COSTS					
IRRIGATION DEPRECIATION	ACRE	1.00	\$33.00	\$33.00	_____
MISC. OVERHEAD	DOLLARS	4,184.88	7%	\$292.94	_____
LAND OWNERSHIP					_____
MACHINERY (REPAIRS, MAINT., DEPRECIATION)	ACRE	1.00	\$97.05	\$97.05	_____
TOTAL FIXED COSTS				\$422.99	_____
TOTAL COSTS				\$4,607.87	_____
RETURN TO OPERATOR LABOR, LAND, CAPITAL				\$1,692.13	_____
OPERATOR LABOR	HOURS	10.00	\$15.00	\$150.00	_____
RETURNS TO LAND AND CAPITAL				\$1,542.13	_____

*2021 H2-A labor rates used

INCOME ABOVE VARIABLE COSTS WITH VARYING PRICES AND YIELDS						
YIELD	PRICE PER BOX					
	\$ 3.00	\$ 3.25	\$ 3.50	\$ 3.75	\$ 4.00	
(-15%) 1530	\$ 638.42	\$ 1,020.92	\$ 1,403.42	\$ 1,785.92	\$ 2,168.42	
(-10%) 1620	\$ 791.77	\$ 1,196.77	\$ 1,601.77	\$ 2,006.77	\$ 2,411.77	
Projected: 1800	\$ 1,215.12	\$ 1,665.12	<u>\$ 2,115.12</u>	\$ 2,565.12	\$ 3,015.12	
(+10%) 1980	\$ 1,638.47	\$ 2,133.47	\$ 2,628.47	\$ 3,123.47	\$ 3,618.47	
(+15%) 2070	\$ 1,791.82	\$ 2,309.32	\$ 2,826.82	\$ 3,344.32	\$ 3,861.82	

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