

2007 Estimated Production Costs and Returns - Watermelon in Southern Colorado

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
WATERMELON	LBS	0.25	30,000	7,500.00		
TOTAL RECEIPTS				7,500.00	0.25	
DIRECT COSTS						
Operating Preharvest						
CUSTOM FERTILIZER APPLICATION	ACRE	4.50	1	4.50	0.00	
FERTILIZER (11-25-0)	LBS	0.30	250	75.00	0.00	
INSECTICIDE (Asana)	ACRE	18.00	3.00	54.00	0.00	
BLACK PLASTIC w/INSTALLATION	ACRE	225.00	1.00	225.00	0.01	
FUNGICIDE (2 lbs of Bravo + 1 pt Cocide)	ACRE	9.00	1.00	9.00	0.00	
CUSTOM FUNGICIDE APPLICATION	ACRE	7.80	1.00	7.80	0.00	
SEED	SEEDS	0.13	2,800	364.00	0.01	
GROWING TRANSPLANTS	TRANS	0.05	2,800	140.00	0.00	
HAND LABOR	ACRE	40.00	3	120.00	0.00	
OPERATOR LABOR	ACRE			16.29	0.00	
IRRIGATION ENERGY	ACRE			10.00	0.00	
WATER SHARES	ACRE			24.00	0.00	
FUEL	ACRE			34.90	0.00	
REPAIR & MAINTENANCE	ACRE			15.32	0.00	
INTEREST EXPENSE	DOLS			43.17	0.00	
Total Preharvest	DOLS			1142.98	0.04	
Operating Harvest						
HAND PICKING	ACRE			120.00	1.00	
Total Harvest				120.00	0.00	
Total Operating Costs				1,262.98	0.04	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			82.47	0.00	
Total Property and Ownership Costs	DOLS			82.47	0.00	
TOTAL DIRECT COSTS				1,345.45	0.04	
NET RECEIPTS BEFORE FACTOR PAYMENTS				6,154.55	0.21	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			0.00	0.00	
RETURN TO MANAGEMENT AND RISK	DOLS			6,154.55	0.21	

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/TON					
		-25%	-10%	0.25	+10%	+25%	
		\$ 0.19	\$ 0.23	\$	\$ 0.28	\$ 0.31	
ALTERNATIVE YIELDS	-25%	22,500	\$2,873.30	\$3,717.05	\$ 4,279.55	\$ 4,842.05	\$ 5,685.80
	-10%	27,000	\$3,717.05	\$4,729.55	\$ 5,404.55	\$ 6,079.55	\$ 7,092.05
TONS		30,000	\$4,279.55	\$5,404.55	\$ 6,154.55	\$ 6,904.55	\$ 8,029.55
	+10%	33,000	\$4,842.05	\$6,079.55	\$ 6,904.55	\$ 7,729.55	\$ 8,967.05
	+25%	37,500	\$5,685.80	\$7,092.05	\$ 8,029.55	\$ 8,967.05	\$ 10,373.30