

CANTALOUPE  
 JAN 2000  
 A-LAND

CANTALOUPE: WESTERN TYPE SHIPPING  
 PRE-COOLED

Acres  
 1

MANAGEMENT INFORMATION \*\*

EXPECTED INCOME**			
	PRICE/MELON		
	\$0.50	\$0.75	\$1.00
QUANTITY (MELON)			
5808	\$2,904	\$4,356	\$5,808
8712	\$4,356	\$6,534	\$8,712
11616	\$5,808	\$8,712	\$11,616

4890 plants/acre - 18" x 5' spacing - 2 to 3 melons/vine. One hive of bees per acre near melons is necessary for consistent yields. Requires daily harvesting (Bravo fungicide). Use Prefar & Alanap tankmix on unmulched middles. Irrigate in before making planting holes in plastic mulch. These are small (2.5-3#). Remove field heat to 40-50 degrees F. by forced air: estimated \$.25/box for precooling. Elec. + equip. are shared by the co-op members. The western-type melons are more tolerant of wet weather and have 2 weeks shelf life. Must be precooled! Pick at full slip mature green. Irrigation system is drip irrigation with throw-away pre-punched tubing. First-acre irrigation cost: \$2,162. Budgets are available upon request. Volume marketing requires proper precooling (see Table1).

VARIABLE COSTS:	UNITS	QUANTITY	PRICE	COSTS
SEEDING COSTS: Rye cover crop	BU	2	\$9.00 /BU	\$18.00 (*)
SEEDS PMR 45 (2-3# melon)	LB	1	\$50.00 /LB	\$50.00
FERTILIZER: N*	LB	100	\$0.28 /LB	\$28.00
P	LB	100	\$0.24 /LB	\$24.00
K	LB	150	\$0.14 /LB	\$21.00
LIME	TONS	0.5	\$20.00 /TON	\$10.00
SPRAY MATERIALS:				
HERBICIDES ALANAP-PLUS	GAL	0.5	\$27.20 /GAL	\$13.60
(Unmulched Middles) PREFAR 4E	GAL	0.5	\$38.00 /GAL	\$19.00
INSECTICIDES ASANA XL (3)	OZ	18	\$117.00 /GAL	\$16.45
FUNGICIDES Bravo(3) +				
Ridomil/Bravo 81W(3)	LB	12	\$16.04 /LB	\$192.48
QUADRI (alternate)	OZ	12	\$331.00 /GAL	\$31.03
FLINT (3) (alternate)	OZ	4.5	\$10.00 /OZ	\$45.00
Crop Supplies: Boxes (avg. 13 melons/box)	BOXES	670	\$1.00 /BOX	\$670.15 (*)
Plastic mulch (4' x 2400 - 1.25 mil)	ROLLS	4.5	\$70.00 /ROLL	\$315.00
IRRIGATION:	ACRE	\$2,162	26.32%	\$569.00 (*)
MARKETING:				
HAULING & GRADING*	BOXES	670	\$1.00 /BOX	\$670.15 (*)
MACHINERY & EQUIP. (Fuel, oil, repairs)	\$\$	\$167.73	\$1.00	\$167.73
Operating interest (on above costs except *)	\$\$	\$888	7.50%	\$66.62 (*)
				OPERATING COSTS \$2,927.22
				OUT-OF-POCKET COST PER MELON ** \$0.34
FIXED COST:				
LABOR	HRS	360	\$7.00	\$2,520.00
TOTAL FIXED MACHINE COSTS	\$\$	\$441.31	\$1.00	\$441.31
TOTAL FIXED BUILDING COSTS	\$\$	\$0.00	0.00%	\$0.00
(DEP., INT., INS., & TAXES)				
LAND CHARGE	\$\$	\$800.00	8.00%	\$64.00
				TOTAL COSTS \$5,952.53
				TOTAL COSTS PER MELON ** \$0.68

\* Apply 50 lbs N preplant. Fertigate with additional N at 2 weeks, at 5 weeks, and at baseball size ( 50 lbs total).

\*\* Based on 8712 melon production. Various costs of production are listed on the next page.

CANTALOUPE (continued)

CANTALOUPE

LABOR REQUIRED	HOURS/SEASON	EXPECTED COSTS AT VARIOUS LEVELS OF PRODUCTION**			
		PRODUCTION LEVEL PER UNIT			
D-J-F	0				
M-A-MAY 15	7				
MAY 16-31	12				
JUNE 1-15	12	5808	8712	11616	
JUNE 16-30	3				
JULY 1-15	3				
JULY 16-31	3				
AUGUST 1-15	300				
AUGUST 16-31	4				
SEPT. 1-15	0				
SEPT. 16-30	0				
OCT. - NOV.	16				
<b>TOTAL</b>	<b>360 HOURS</b>				
		OUT-OF-POCKET COSTS	\$0.43	\$0.34	\$0.29
		TOTAL COSTS	\$0.84	\$0.68	\$0.61

\*\*Cost considers changes in harvest labor, box and marketing costs.

MACHINE USED:	OPERATING COSTS			FIXED COSTS	
	Hours Used	Per Hour	Total	Per Hour	Total
40 HP tractor and plow	1	\$4.47	\$4.47	\$7.74	\$7.74
40 HP tractor and disc	0.5	\$4.67	\$2.34	\$13.52	\$6.76
40 HP tractor and harrow	0.3	\$3.30	\$0.99	\$6.89	\$2.07
40 HP tractor and fertilizer spreader	0.2	\$3.18	\$0.64	\$4.61	\$0.92
40 HP tractor and sprayer	0.5	\$4.01	\$2.01	\$10.43	\$5.22
40 HP tractor & plastic mulch layer	4	\$3.81	\$15.24	\$11.29	\$45.16
40 HP tractor and water-wheel planter	5	\$3.81	\$19.05	\$11.29	\$56.45
Pick-up truck	30	\$3.85	\$115.50	\$8.35	\$250.50
Mist blower	10	\$0.75	\$7.50	\$6.65	\$66.50
<b>TOTALS</b>	<b>51.5</b>		<b>\$167.73</b>		<b>\$441.31</b>
			<b>TOTAL MACHINE COSTS</b>		<b>\$609.04</b>