

TITLE: SAMPLE COSTS AND RETURNS FOR CANTALOUPE PRODUCTION
 IN MERCED COUNTY ON RENTED LAND
 YIELD OF 425 40 W CRATES (8.5 TON) PER ACRE

1978

Cantaloupes #228

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
CANTALOUPE	CRTE	3.990	425.000	\$ 1695.75	
TOTAL RECEIPTS:				\$ 1695.75	
2. VARIABLE COSTS:					
PREHARVEST:					
NITROGEN	LBS.	0.200	60.000	\$ 12.00	
CANTALOUPE SEED	LBS.	5.000	3.000	15.00	
THINNING	HOURL	3.500	5.000	17.50	
INSECTICIDE	ACRE	23.000	1.000	23.00	
CUSTOM AIR PEST	APLC	2.500	1.000	2.50	
HAND-HOEING	HOURL	3.500	10.000	35.00	
MISCL EXPENSE	ACRE	6.000	1.000	6.00	
APIARY COLONY	UNIT	12.500	1.500	18.75	
IRRIG DIST WATER	ACIN	0.513	40.000	20.50	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			12.70	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			7.91	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			1.34	
IRRIGATION (LUBE-REPAIRS)	ACRE			2.35	
IRRIGATION WATER APPLIED	ACIN	0.649	48.000		
MACHINERY LABOR	HOURL	5.100	4.110	20.96	
MACHINE CREW LABOR	HOURL	3.500	0.677	2.37	
IRRIGATION LABOR	HOURL	4.250	9.000	38.25	
INTEREST ON OPERATING CAP.	DOL.	0.086	45.630	3.85	
TOTAL PREHARVEST COSTS:				\$ 239.98	
PREHARVEST COST PER CRTE				\$ 0.56	
HARVEST:					
HARVEST & HAUL	CRTE	1.020	442.000	\$ 450.84	
PACKING	CRTE	1.280	425.000	544.00	
INTEREST ON OPERATING CAP.	DOL.	0.086	911.937	78.70	
TOTAL HARVEST COSTS:				\$ 1073.54	
HARVEST COST PER CRTE				\$ 2.53	
TOTAL VARIABLE COSTS:				\$ 1313.52	
VARIABLE COST PER CRTE				\$ 3.09	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER CRTE				\$ 382.23	
				\$ 0.90	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				2.14	
CASH RENT:				100.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				32.84	
TOTAL CASH OVERHEAD:				\$ 134.98	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER CRTE				\$ 247.25	
				\$ 0.58	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			\$ 18.58	
BUILDINGS	ACRE			6.35	
TOTAL DEPRECIATION:				\$ 24.93	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.086	192.161	\$ 16.58	
BUILDINGS		0.086	111.500	9.62	
TOTAL INTEREST CHARGE:				\$ 26.21	
TOTAL FIXED COSTS:				\$ 51.13	
FIXED COST PER CRTE				0.12	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER CRTE				\$ 1499.63	
				3.53	
8. NET RETURNS:					
NET RETURNS PER CRTE				\$ 196.12	
				0.46	

Historical Budget - 1978

FURROW IRRIGATION USING DISTRICT (CCID) WATER
 SUMMER HARVEST
 TOP MANAGEMENT ASSUMED

AUTHOR:
 UPDATED 11/10/78

BUDGET IDENTIFICATION NUMBER 2712400610 262 1
 DATE PRINTED: 03/20/79

BUDGET RECORD NUMBER 228
 HARVEST MONTH: 6

SAMPLE COSTS AND RETURNS FOR CANTALOUPE PRODUCTION
IN MERCED COUNTY ON RENTED LAND
YIELD OF 425 40 # CRATES (8.5 TON) PER ACRE

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1695.75	0.00	0.00	0.00	0.00	0.00	1695.75
OPERATING EXPENSES															
NITROGEN	\$/AC	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
CANTALOUPE SEED	\$/AC	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
THINNING	\$/AC	0.00	0.00	0.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.50
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00
CUSTOM AIR PEST	\$/AC	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50
HAND HOEING	\$/AC	0.00	0.00	0.00	0.00	17.50	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00
MISCL EXPENSE	\$/AC	0.00	0.00	0.00	1.80	1.80	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
APIARY COLONY	\$/AC	0.00	0.00	0.00	0.00	18.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.75
HARVEST & HAUL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	450.84	0.00	0.00	0.00	0.00	0.00	0.00	450.84
IRRIG DIST WATER	\$/AC	0.00	0.00	4.10	4.10	4.10	4.10	4.10	0.00	0.00	0.00	0.00	0.00	0.00	20.50
PACKING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	544.00	0.00	0.00	0.00	0.00	0.00	0.00	544.00
MACHINE LABOR COST	\$/AC	0.00	0.00	8.04	9.65	1.38	2.65	1.60	0.00	0.00	0.00	0.00	0.00	0.00	23.33
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.85	0.88	0.54	0.01	79.79	0.49	0.00	0.00	0.00	0.00	0.00	82.55
TRACTOR COST	\$/AC	0.00	0.00	4.88	4.96	0.72	1.43	0.72	0.00	0.00	0.00	0.00	0.00	0.00	12.70
EQUIPMENT COST	\$/AC	0.00	0.00	4.08	2.31	0.36	0.65	0.50	0.00	0.00	0.00	0.00	0.00	0.00	7.91
BLDG OPER. COST	\$/AC	0.00	0.00	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00	0.00	0.00	1.34
IRRIGATION COST	\$/AC	0.00	0.00	0.39	0.39	0.39	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	2.35
IRRIG LABOR COST	\$/AC	0.00	0.00	6.38	6.38	6.38	6.38	6.38	6.38	0.00	0.00	0.00	0.00	0.00	38.25
TOTAL EXPENSES	\$/AC	0.00	0.00	40.94	63.19	77.64	35.74	1088.53	7.48	0.00	0.00	0.00	0.00	0.00	1313.52

MONTHLY IRRIGATION AND LABOR REQUIREMENTS															
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
MACHINE LABOR	HR/AC	0.00	0.00	1.58	1.43	0.27	0.52	0.31	0.00	0.00	0.00	0.00	0.00	4.11	
MACH. CREW LABOR	HR/AC	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	
IRRIGATION LABOR	HR/AC	0.00	0.00	1.50	1.50	1.50	1.50	1.50	1.50	0.00	0.00	0.00	0.00	9.00	
IRRIG. WATER APPLIED	ACIN	0.00	0.00	8.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	48.00	

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	FIXED COST PER ACRE				VARIABLE COST PER ACRE				HRS PER ACRE
						DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS	TOTAL	
TRACTOR 60 HP	3	60.0	13600.	20.	600.	1.12	1.25	0.29	2.66	1.50	0.23	1.85	3.58	1.133
TRACTOR 90 HP	5	90.0	23000.	20.	600.	1.11	1.23	0.29	2.62	1.31	0.20	1.83	3.34	0.661
CRAWLER 65 HP	10	65.0	26700.	20.	500.	4.15	4.64	1.07	9.86	2.99	0.45	2.35	5.79	1.783
PICKUP 1/2 T	14	0.5	7500.	6.	750.	0.18	0.08	0.02	0.28	0.34	0.05	0.15	0.54	0.143
SUBSOILER	45	8.0	4200.	15.	170.	0.93	0.73	0.17	1.83	0.00	0.03	1.40	1.43	0.625
CULTIVATOR 6ROW	53	15.0	3300.	15.	80.	2.56	2.01	0.48	5.05	0.00	0.03	1.44	1.47	1.030
SADDLE TANKS	55	15.0	2900.	8.	250.	0.20	0.10	0.02	0.32	0.00	0.01	0.36	0.37	0.173
DISC OFFSET HDTY	63	21.0	9300.	15.	60.	1.39	1.09	0.26	2.74	0.00	0.02	0.78	0.80	0.149
LISTER 6 ROW	83	15.0	2000.	15.	110.	0.19	0.15	0.04	0.37	0.00	0.00	0.18	0.18	0.173
LANDPLANE 12X45	85	12.0	7100.	15.	190.	1.09	0.86	0.20	2.15	0.00	0.01	0.53	0.54	0.485
PLOW MB HYD 4-16	100	5.3	8500.	15.	60.	4.36	3.42	0.81	8.60	0.00	0.03	1.75	1.78	0.511
PLANTER 6ROW	110	20.0	4600.	15.	60.	1.29	1.01	0.24	2.53	0.00	0.02	0.79	0.80	0.280
FURROW IRIG SYS*	132	2.0	0.	10.	5000.	0.00	0.00	0.00	0.00	0.00	0.05	2.30	2.35	24.000
FARM SHOP	1		3600.	35.		3.09	5.70	1.35	10.13	1.20		0.05	1.25	
SHOP TOOLS&EQUIP	4		2100.	15.		3.27	3.93	0.79	7.98	0.00		0.09	0.09	

TOTAL INVESTMENT OR COST MACHINERY & EQUIPMENT	118400.	24.93	26.21	6.03	57.16	7.34	1.11	15.85	24.30
INVESTMENT PER ACRE	3947.								

FURROW IRRIGATION USING DISTRICT (CCID) WATER
SUMMER HARVEST
TOP MANAGEMENT ASSUMED

AUTHOR:
UPDATED 11/10/78 UC Cooperative Extension

BUDGET IDENTIFICATION NUMBER 2712400810 262 1
 HARVEST OR SALE MONTH 6

CN-VN-78
 BUDGET RECORD NUMBER 228

SAMPLE COSTS AND RETURNS FOR CANTALOUPE PRODUCTION
 IN MERCED COUNTY ON RENTED LAND
 YIELD OF 425 40 # CRATES (8.5 TON) PER ACRE

COSTS AND RETURNS WILL BE
 DIVIDED BY 425.0 CRTE
 TO OBTAIN PER CRTE COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
1 CANTALOUPE	0.00	0.00	0.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00	0.00	0.00	3.990	0.000	38.	71.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	SHARE	UNIT	ITEM	TYPE	HARV
6 NITROGEN	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.200	0.000	12.	211.	3.	0.
7 CANTALOUPE SEED	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.000	0.000	12.	171.	3.	0.
8 THINNING	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.500	0.000	8.	339.	3.	0.
9 INSECTICIDE	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.000	0.000	7.	240.	3.	0.
10 CUSTOM AIR PEST	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.500	0.000	34.	372.	3.	0.
11 HAND HOEING	0.00	0.00	0.00	0.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	3.500	0.000	8.	335.	3.	0.
12 MISCL EXPENSE	0.00	0.00	0.00	0.30	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	6.000	0.000	7.	400.	3.	0.
13 APIARY COLONY	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.500	0.000	22.	350.	3.	0.
14 HARVEST & HAUL	0.00	0.00	0.00	0.00	0.00	0.00	42.00	0.00	0.00	0.00	0.00	0.00	1.020	0.000	38.	318.	3.	9.
15 IRRIG DIST WATER	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.513	0.000	11.	323.	3.	0.
16 PACKING	0.00	0.00	0.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00	0.00	0.00	1.280	0.000	38.	345.	3.	9.

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW	POWER	MACH	TYPE	HARV	
													LABOR	UNIT	CODE			
26 SUBSOILER	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	45.	4.	0.
27 PLOW MB HYD 4-16	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	100.	4.	0.
28 DISC OFFSET HDTY	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	5.	63.	4.	0.
29 LANDPLANE 12X45	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	10.	85.	4.	0.
30 LISTER 6 ROW	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	5.	83.	4.	0.
31 SADDLE TANKS	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	55.	4.	0.
32 PLANTER 6ROW	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	2.000	5.	110.	4.	0.
33 CULTIVATOR 6ROW	0.00	0.00	0.00	1.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	53.	4.	0.
34 PICKUP 1/2 T	0.00	0.00	1.00	2.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.	14.	4.	0.
49 ACIN IRRIG WATER	0.00	0.00	8.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	1.00	0.00	0.	132.	0.	
50 NO. TIMES IRRIG	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00						

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 FARM SHOP	1.000	0.200	0.	1.	5.	0.
52 SHOP TOOLS&EQUIP	1.000	0.200	0.	4.	5.	0.

LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	2.	30.00	100.00	0.00	0.0 0.00

FURROW IRRIGATION USING DISTRICT (CCID) WATER
 SUMMER HARVEST
 TOP MANAGEMENT ASSUMED

AUTHOR:
 UPDATED 11/10/78

MACHINERY COMPLEMENT 2
 EQUIPMENT COMPLEMENT 1

LINE CHANGE MACHNRY NAME CHANGE-> 55 SADDLE TANKS
 LINE CHANGE
 LINE CHANGE
 LINE CHANGE
 LINE CHANGE

NO COMPLEMENT CHANGES HAVE BEEN STORED WITH THIS BUDGET