

TITLE: COST OF PRODUCTION AND RETURNS
FOR POTATOES IN MONTEREY COUNTY - 1978 PO-CC-78
RENTED ACREAGE

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
POTATOES, IRISH	TON	85.000	15.000	1275.00	
TOTAL RECEIPTS:				\$ 1275.00	
2. VARIABLE COSTS:					
PREHARVEST:					
TOPDRESS FERT	LBS.	0.093	1000.000	92.50	
FERTILIZER APP	ACRE	5.000	1.000	5.00	
POTATOE SEED	LBS.	0.070	2700.000	189.00	
PLANTING LABOR	ACRE	25.000	1.000	25.00	
NEMATOCIDE	ACRE	63.250	1.000	63.25	
HERBICIDE	APLC	16.000	2.000	32.00	
HERBICIDE APP	APLC	7.500	2.000	15.00	
IRRIGATION WATER	ACIN	0.625	30.000	18.75	
SIDE DRESS FERT	LBS.	0.300	165.000	49.50	
FERTILIZER APP	ACRE	9.250	1.000	9.25	
HAND HOEING	HOOR	4.750	3.000	14.25	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			25.28	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			8.32	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.31	
IRRIGATION POWER COST	ACRE			14.75	
IRRIGATION (LUBE-REPAIRS)	ACRE			68.50	
IRRIGATION WATER APPLIED	ACIN	2.775	30.000		
MACHINERY LABOR	HOOR	5.700	6.526	37.20	
IRRIGATION LABOR	HOOR	4.850	0.875	4.24	
INTEREST ON OPERATING CAP.	DOL.	0.086	166.665	14.06	
TOTAL PREHARVEST COSTS:				\$ 686.16	
PREHARVEST COST PER TON				\$ 45.74	
HARVEST:					
CUSTOM HARVEST	CWT.	0.450	330.000	148.50	
GRADING	CWT.	0.380	330.000	125.40	
INTEREST ON OPERATING CAP.	DOL.	0.086	182.600	15.76	
TOTAL HARVEST COSTS:				\$ 289.66	
HARVEST COST PER TON				\$ 19.31	
TOTAL VARIABLE COSTS:				\$ 975.81	
VARIABLE COST PER TON				\$ 65.05	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER TON				\$ 299.19	
				\$ 19.95	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				0.42	
CASH RENT:				300.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)				24.40	
TOTAL CASH OVERHEAD:				\$ 324.81	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER TON				\$ -25.63	
				\$ -1.71	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			16.42	
IRRIGATION SYSTEM	ACRE			17.82	
BUILDINGS	ACRE			1.13	
TOTAL DEPRECIATION:				\$ 35.37	
CAPITAL & INTEREST:					
MACHINERY&EQUIPMENT		0.086	165.625	14.29	
IRRIGATION SYSTEM		0.086	233.163	20.12	
BUILDINGS		0.086	21.300	1.84	
TOTAL INTEREST CHARGE:				\$ 36.25	
TOTAL FIXED COSTS:				\$ 71.62	
FIXED COST PER TON				4.77	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER TON				\$ 1372.25	
				91.48	
8. NET RETURNS:					
NET RETURNS PER TON				\$ -97.25	
				-6.48	

BASED ON A 1200 ACRE FARM WITH 100 ACRES ON POTATOES
AND SPRINKLER IRRIGATION SYSTEM
16.5 TONS HARVESTED. 15 TONS SOLD.

AUTHOR:COOP EXT
UPDATED 09/16/78

BUDGET IDENTIFICATION NUMBER 2862700520 332 1
DATE PRINTED: 03/20/79

BUDGET RECORD NUMBER 243
HARVEST MONTH: 6

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	0.00	0.00	1275.00	0.00	0.00	1275.00
OPERATING EXPENSES														
TOPDRESS FERT	\$/AC	0.00	0.00	92.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.50
FERTILIZER APP	\$/AC	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
POTATGE SEED	\$/AC	0.00	0.00	0.00	189.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00
PLANTING LABOR	\$/AC	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
HEMATOCIDE	\$/AC	0.00	0.00	63.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.25
HERBICIDE	\$/AC	0.00	0.00	18.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	32.00
HERBICIDE APP	\$/AC	0.00	0.00	7.50	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	15.00
IRRIGATION WATER	\$/AC	0.00	0.00	0.00	5.00	5.00	6.25	2.50	0.00	0.00	0.00	0.00	0.00	18.75
SIDE DRESS FERT	\$/AC	0.00	0.00	0.00	0.00	27.00	0.00	22.50	0.00	0.00	0.00	0.00	0.00	49.50
FERTILIZER APP	\$/AC	0.00	0.00	0.00	0.00	6.48	0.00	2.77	0.00	0.00	0.00	0.00	0.00	9.25
HAND HOEING	\$/AC	0.00	0.00	0.00	0.00	0.00	14.25	0.00	0.00	0.00	0.00	0.00	0.00	14.25
CUSTOM HARVEST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.50	0.00	0.00	148.50
GRADING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.40	0.00	0.00	125.40
MACHINE LABOR COST	\$/AC	0.37	0.37	11.53	11.33	4.64	2.50	0.37	0.37	4.56	0.37	0.37	0.37	37.26
INTEREST ON OPER. CAP.	\$/AC	0.02	0.02	4.37	3.67	0.48	0.00	3.16	1.72	0.53	15.79	0.03	0.02	29.82
TRACTOR COST	\$/AC	0.00	0.00	10.46	8.60	2.15	1.07	0.00	0.00	3.00	0.00	0.00	0.00	25.28
EQUIPMENT COST	\$/AC	0.21	0.21	2.79	1.79	0.98	0.60	0.21	0.21	0.69	0.21	0.21	0.21	6.32
BLOG OPER. COST	\$/AC	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.31
IRRIGATION COST	\$/AC	0.00	0.00	0.00	22.20	22.20	27.75	11.10	0.00	0.00	0.00	0.00	0.00	63.25
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	1.21	1.21	1.21	0.61	0.00	0.00	0.00	0.00	0.00	4.24
TOTAL EXPENSES	\$/AC	0.63	0.63	213.44	267.85	70.16	53.66	43.25	25.83	8.80	290.30	0.64	0.63	975.81

CATEGORY	UNIT	MONTHLY IRRIGATION AND LABOR REQUIREMENTS												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MACHINE LABOR	HR/AC	0.07	0.07	2.02	1.99	0.81	0.44	0.07	0.07	0.07	0.80	0.07	0.07	6.53
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.25	0.25	0.25	0.13	0.00	0.00	0.00	0.00	0.00	0.88
IRRIG. WATER APPLIED	AC/IN	0.00	0.00	0.00	8.00	8.00	10.00	4.00	0.00	0.00	0.00	0.00	0.00	30.00

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.	12.	1000.	1.69	1.46	0.30	3.45	2.63	0.39	3.24	6.26	1.984
CRAWLER 85 HP	11	85.0	55000.	17.	900.	9.71	9.93	2.22	21.87	7.08	1.06	10.87	19.01	3.234
PICKUP 3/4 T	15	0.6	8500.	3.	1350.	0.80	0.25	0.05	1.10	1.52	0.23	0.76	2.51	0.655
IRR PUMP 40 HP*	21	2.0	8000.	25.	3200.	1.37	1.75	0.42	3.55	14.75	0.22	1.12	16.09	15.000
CHISEL	41	6.0	1800.	8.	320.	0.59	0.32	0.07	0.98	0.00	0.02	1.01	1.03	1.076
CULTIVATOR 4 ROW	52	10.0	2200.	13.	190.	1.21	0.87	0.20	2.28	0.00	0.04	1.90	1.94	1.545
ROLLER	56	12.0	2000.	14.	180.	0.42	0.32	0.07	0.81	0.00	0.00	0.19	0.19	0.595
DISK TANDEM	66	12.0	3200.	11.	230.	0.83	0.54	0.12	1.50	0.00	0.04	1.93	1.97	0.781
LISTER 4 ROW	82	10.0	1200.	10.	270.	0.09	0.06	0.01	0.17	0.00	0.00	0.18	0.18	0.259
LANDPLANE 12X45	85	12.0	7100.	7.	340.	1.08	0.55	0.11	1.74	0.00	0.01	0.49	0.50	0.485
PERM SET SPRINK*	131	2.0	125750.	20.	5000.	16.44	18.37	4.24	39.05	0.00	1.32	65.84	67.16	15.000
FARM SHOP	2		1440.	35.		0.74	1.37	0.32	2.43	0.29		0.01	0.30	
SHOP TOOLS&EQUIP	4		420.	15.		0.39	0.47	0.09	0.96	0.00		0.01	0.01	

TOTAL INVESTMENT OR COST 230210.
 MACHINERY & EQUIPMENT 4604.
 INVESTMENT PER ACRE

BASED ON A 1200 ACRE FARM WITH 100 ACRES ON POTATOES
 AND SPRINKLER IRRIGATION SYSTEM
 16.5 TONS HARVESTED. 15 TONS SOLD.

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