

TITLE: PRODUCTION COSTS FOR SWEET POTATOES
 FRESNO CO.
 1980

BY DON MAY, FARM ADVISOR

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
GROSS RECEIPTS FROM PRODUCTION:					
POTATOES, SWEET	CTNS	4.000	350.000	1400.00	
TOTAL RECEIPTS:				\$ 1400.00	
2. VARIABLE COSTS:					
PREHARVEST:					
HOT BED CULTURE	hour	4.500	7.000	31.50	
HOT BED MATERIAL	acre	22.600	1.000	22.60	
SWEET POT SEED	LBS.	0.140	500.000	70.00	
FUM & WIRE WORK	acre	74.000	1.000	74.00	
PLANTING LABOR	hour	4.500	20.000	90.00	
FERTILIZER	acre	75.000	1.000	75.00	
HAND HOEING	hour	4.500	10.000	45.00	
SEASONAL LABOR	hour	4.500	3.000	13.50	
HARVEST LABOR	hour	4.500	25.000	112.50	
STORAGE	ton	10.500	7.000	73.50	
PACKING	ctns	0.750	350.000	262.50	
TRACTOR (FUEL-LUBE-REPAIRS)	acre			132.49	
EQUIPMENT (FUEL-LUBE-REPAIRS)	acre			21.84	
BUILDINGS (FUEL-LUBE-REPAIRS)	acre			2.20	
MACHINERY LABOR	hour	5.500	20.857	114.71	
INTEREST ON OPERATING CAP.	dol.	0.140	252.994	34.27	
TOTAL PREHARVEST COSTS:				\$ 1175.62	
PREHARVEST COST PER CTNS				\$ 3.3589	
HARVEST:					
TOTAL HARVEST COSTS:				\$ 0.00	
HARVEST COST PER CTNS				\$ 0.0000	
TOTAL VARIABLE COSTS:				\$ 1175.62	
VARIABLE COST PER CTNS				\$ 3.3589	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER CTNS				\$ 224.38	
				\$ 0.6411	
4. CASH OVERHEAD:					
REAL PROPERTY TAXES:				2.16	
CASH RENT:				200.00	
MISC. OFFICE & BOOKKEEPING (8.00% OF TOTAL VARIABLE COSTS)				94.05	
TOTAL CASH OVERHEAD:				\$ 296.21	
OVERHEAD COST PER CTNS				0.8463	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER CTNS				\$ -71.83	
				\$ -0.2052	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	acre			139.03	
BUILDINGS	acre			5.70	
TOTAL DEPRECIATION:				\$ 144.73	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.140	1606.249	224.87	
BUILDINGS		0.107	118.630	12.66	
TOTAL INTEREST CHARGE:				\$ 237.53	
TOTAL FIXED COSTS:				\$ 382.26	
FIXED COST PER CTNS				1.0922	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER CTNS				\$ 1854.09	
				5.2974	
8. NET RETURNS:					
NET RETURNS PER CTNS				\$ -454.09	
				-1.2974	

CASH RENT INCLUDES WATER COST
 YIELD: 350 CARTONS (40 LBS.)

UC Cooperative Extension

UPDATED 03/03/80

IDENTIFICATION NUMBER 2891000000 100 1
 PRODUCTION COSTS FOR SWEET POTATOES
 FRESNO CO.
 1980

HARVEST MONTH 10
 BY DON MAY, FARM ADVISOR

BUDGET RECORD NUMBER 255

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	0.00	1400.00	0.00	0.00	1400.00
OPERATING EXPENSES															
HOT BED CULTURE	\$/AC	0.00	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.50
HOT BED MATERIAL	\$/AC	0.00	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.60
SWEET POT SEED	\$/AC	0.00	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00
FUM & WIRE WORK	\$/AC	0.00	0.00	0.00	74.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.00
PLANTING LABOR	\$/AC	0.00	0.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00
FERTILIZER	\$/AC	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00
HAND HOEING	\$/AC	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00
SEASONAL LABOR	\$/AC	0.00	0.00	0.00	0.00	0.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50
HARVEST LABOR	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.50	0.00	0.00	0.00	112.50
STORAGE	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.50	0.00	0.00	0.00	73.50
PACKING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	262.50	0.00	0.00	0.00	262.50
MACHINE LABOR COST	\$/AC	0.00	5.48	3.69	0.00	22.85	9.98	6.66	0.00	0.00	66.06	0.00	0.00	0.00	114.71
INTEREST ON OPER. CAP.	\$/AC	0.00	12.77	0.79	5.03	8.03	7.07	0.55	0.01	0.01	0.01	0.00	0.00	0.00	34.27
TRACTOR COST	\$/AC	0.00	7.86	5.29	0.00	26.14	3.53	9.54	0.00	0.00	80.13	0.00	0.00	0.00	132.49
EQUIPMENT COST	\$/AC	0.00	2.19	0.70	0.00	3.75	10.90	0.00	0.00	0.00	4.30	0.00	0.00	0.00	21.84
BLDG OPER. COST	\$/AC	0.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.00	0.00	0.00	2.20
TOTAL EXPENSES	\$/AC	0.00	152.65	10.72	79.28	151.01	165.22	16.99	0.25	0.25	599.24	0.00	0.00	0.00	1175.62

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.00	1.00	0.67	0.00	4.15	1.81	1.21	0.00	0.00	12.01	0.00	0.00	20.86

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 75 HP	4	75.0	17400.	20.	300.	4.02	7.28	2.07	13.37	5.13	0.77	2.35	8.24	1.590
TRACTOR 90 HP	5	90.0	46000.	20.	300.	95.74	173.50	49.43	318.67	59.42	8.91	55.92	124.25	14.327
TRUCK 2 TON	13	2.0	18000.	10.	400.	3.41	3.22	0.90	7.52	6.67	1.00	2.56	10.23	0.889
PICKUP 1/2 T	14	0.5	15000.	8.	500.	1.06	0.94	0.25	2.24	1.75	0.26	0.74	2.75	0.364
FORKLIFT*	20	6.5	11400.	8.	150.	11.32	10.03	2.63	23.98	1.88	0.28	0.56	2.71	1.538
CULTIVATOR 4 ROW	52	10.0	2640.	15.	56.	2.63	3.35	0.98	6.97	0.00	0.02	0.99	1.01	0.927
DISK OFFSET	58	10.0	3360.	15.	60.	2.11	2.69	0.79	5.58	0.00	0.02	0.89	0.91	0.625
SPRINGTOOTH	77	14.0	3120.	15.	57.	0.81	1.03	0.30	2.14	0.00	0.01	0.33	0.33	0.246
LISTER 4 ROW	82	10.0	1440.	15.	75.	0.60	0.76	0.22	1.59	0.00	0.01	0.32	0.33	0.518
4 WH PLANE 12X45	85	12.0	8520.	15.	95.	1.31	1.67	0.49	3.47	0.00	0.00	0.24	0.24	0.243
PLOW MB HYD 4-16	100	5.3	10200.	15.	30.	10.47	13.33	3.91	27.72	0.00	0.03	1.70	1.74	0.511
POTATO DIGGER2R	121	5.0	1920.	15.	50.	5.55	7.07	2.07	14.70	0.00	0.03	1.56	1.59	2.400
FARM SHOP	1		21060.	35.		5.42	12.36	2.11	19.88	2.11		0.09	2.20	
BINS	72		560.	20.		0.28	0.30	0.06	0.63	0.00		0.00	0.00	

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE 1606. 144.73 237.53 66.21 448.47 76.94 11.35 68.25 156.53

TOTAL INVESTMENT 160620.

CASH RENT INCLUDES WATER COST
 YIELD: 350 CARTONS (40 LBS.)

UPDATED 03/03/80

UC Cooperative Extension

PRODUCTION COSTS FOR SWEET POTATOES
 FRESNO CO.
 1980

BY DON MAY, FARM ADVISOR

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
PLOW MB HYD 4-16	5,100	FEB	1.00	0.619	0.511	6.61	40.23
DISK OFFSET	5, 58	FEB	1.00	0.378	0.313	3.43	10.44
DISK OFFSET	5, 58	MAR	1.00	0.378	0.313	3.43	10.44
4 WH PLANE 12X45	5, 85	MAR	1.00	0.293	0.243	2.56	9.40
SPRINGTOOTH	5, 77	MAY	1.00	0.297	0.246	2.68	8.15
LISTER 4 ROW	4, 82	MAY	2.00	0.627	0.518	3.29	6.38
CULTIVATOR 4 ROW	4, 52	MAY	1.00	0.374	0.309	2.10	5.18
PICKUP 1/2 T	14	MAY	20.00	0.436	0.364	2.75	2.24
TRACTOR 90 HP	5	MAY	2.00	2.400	2.000	17.35	44.49
CULTIVATOR 4 ROW	4, 52	JUNE	2.00	0.748	0.618	4.20	10.37
TRUCK 2 TON	13	JUNE	40.00	1.067	0.889	10.23	7.52
TRACTOR 90 HP	5	JULY	1.00	1.200	1.000	8.67	22.24
POTATO DIGGER2R	5,121	OCT	2.00	2.904	2.400	24.49	73.42
FORKLIFT*	20	OCT	10.00	1.846	1.538	2.71	23.98
TRACTOR 90 HP	5	OCT	6.00	2.200	2.000	52.04	****
TOTALS				20.767	17.260	****	407.94

CASH RENT INCLUDES WATER COST
 YIELD: 350 CARTONS (40 LBS.)

UPDATED 03/03/80

BUDGET IDENTIFICATION NUMBER--- 2891000000 100 1
 ANNUAL CAPITAL MONTH 10 BUDGET RECORD NUMBER 255

UC Cooperative Extension

FUEL USE SUMMARY FOR BUDGET NUMBER 2891000000 100 1

PRODUCTION COSTS FOR SWEET POTATOES BY DON MAY, FARM ADVISOR
 FRESNO CO.
 1980

FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP 3.360
 TRACTOR 90 HP 4.320
 TRUCK 2 TON 6.250
 PICKUP 1/2 T 4.000
 FORKLIFT* 1.270

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
TRUCK 2 TON	0.139	
PICKUP 1/2 T	0.073	
FORKLIFT*	0.195	
PLOW MB HYD 4-16	2.429	TRACTOR 90 HP
DISK OFFSET	1.485	TRACTOR 90 HP
4 WH PLANE 12X45	1.152	TRACTOR 90 HP
SPRINGTOOTH	1.167	TRACTOR 90 HP
LISTER 4 ROW	0.957	TRACTOR 75 HP
CULTIVATOR 4 ROW	1.142	TRACTOR 75 HP
POTATO DIGGER2R	5.702	TRACTOR 90 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
PLOW MB HYD 4-16	0.000	2.429	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.429	3
DISK OFFSET	0.000	1.485	1.485	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.970	3
PLANE 12X45	0.000	0.000	1.152	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.152	3
SPRINGTOOTH	0.000	0.000	0.000	0.000	1.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.167	3
LISTER 4 ROW	0.000	0.000	0.000	0.000	1.915	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.915	3
CULTIVATOR 4 ROW	0.000	0.000	0.000	0.000	1.142	2.284	0.000	0.000	0.000	0.000	0.000	0.000	3.426	3
POTATO DIGGER2R	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.405	0.000	0.000	11.405	3
PICKUP 1/2 T	0.000	0.000	0.000	0.000	1.455	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.455	1
TRUCK 2 TON	0.000	0.000	0.000	0.000	0.000	5.556	0.000	0.000	0.000	0.000	0.000	0.000	5.556	1
FORKLIFT*	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.954	0.000	0.000	1.954	3
TRACTOR 90 HP	0.000	0.000	0.000	0.000	8.640	0.000	4.320	0.000	0.000	25.920	0.000	0.000	38.880	3
TOTALS	0.000	3.914	2.637	0.000	14.318	7.840	4.320	0.000	0.000	39.279	0.000	0.000	72.308	

GALLONS FUEL BY TYPE

7.01 GAS
 0.00 LP
 65.30 DIESEL

FUEL TYPES

1=GAS
 2=L.P.
 3=DIESEL

BUDGET IDENTIFICATION NUMBER 2891000000 100 1
 HARVEST OR SALE MONTH 10

BUDGET RECORD NUMBER 255

PRODUCTION COSTS FOR SWEET POTATOES BY DON MAY, FARM ADVISOR
 FRESNO CO. 1980

COSTS AND RETURNS WILL BE
 DIVIDED BY 350.0 CTNS
 TO OBTAIN PER CTNS 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
	NUMBER OF UNITS																	
1 POTATOES, SWEET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.000	0.000	28.	89.	2.	0.
OPERATING INPUTS													PRICE	SHARE	UNIT	ITEM	TYPE	HARV
	RATE/UNIT																	CODE
6 HOT BED CULTURE	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	8.	152.	3.	0.
7 HOT BED MATERIAL	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.600	0.000	7.	153.	3.	0.
8 SWEET POT SEED	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.140	0.000	12.	189.	3.	0.
9 FUM & WIRE WORK	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.000	0.000	7.	261.	3.	0.
10 PLANTING LABOR	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	8.	332.	3.	0.
11 FERTILIZER	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	75.000	0.000	7.	201.	3.	0.
12 HAND HOEING	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	8.	335.	3.	0.
13 SEASONAL LABOR	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	4.500	0.000	8.	330.	3.	0.
14 HARVEST LABOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	4.500	0.000	8.	333.	3.	0.
15 STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	10.500	0.000	3.	430.	3.	0.
16 PACKING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.750	0.000	28.	345.	3.	0.

MACHINERY REQUIREMENTS	IMPLEMENTS =	TIMES	OVER,	TRUCKS = #	MILES/ACRE,	TRACTORS =	HRS/ACRE	M CREW	POWER	MACH	TYPE	HARV
	LABOR	UNIT	CODE									CODE
26 PLOW MB HYD 4-16	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 DISK OFFSET	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 4 WH PLANE 12X45	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 SPRINGTOOTH	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30 LISTER 4 ROW	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31 CULTIVATOR 4 ROW	0.00	0.00	0.00	0.00	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
32 POTATO DIGGER2R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
33 PICKUP 1/2 T	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRUCK 2 TON	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ORKLIFT*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00
TRACTOR 90 HP	0.00	0.00	0.00	0.00	2.00	0.00	1.00	0.00	0.00	6.00	0.00	0.00
								SHARE	SHARE	POWER	SYSA	
								FIXED %	VAR %	UNIT	CODE	LIFT
49 ACIN IRRIG WATER	0.00	0.00	0.00	0.00	3.00	8.00	10.00	10.00	5.00	0.00	0.00	0.00
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	1.00	3.00	4.00	4.00	2.00	0.00	0.00	0.00

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 FARM SHOP	1.000	1.000	0.	1.	5.	0.
52 BINS	14.000	1.000	0.	72.	5.	0.

LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	2.	100.00	200.00	0.00	0.0 0.00

CASH RENT INCLUDES WATER COST
 YIELD: 350 CARTONS (40 LBS.)

MACHINERY COMPLEMENT 1
 EQUIPMENT COMPLEMENT 1

UPDATED 03/03/80

GENERAL NAME CHANGE-->	LINE CHANGE	FUR & WIRE WORK	LINE CHANGE	152 HOT BED CULTURE	LINE CHANGE	153 HOT BED MATERIAL	LINE CHANGE	LINE CHANGE
EQUIP NAME CHANGE-->	72	BINS						
MACH COMP CHGS-->	4.16.	70.000000	77. 2.	14.000000	5. 3.460000	0.000000	5.13.460000	0.000000
	14.13.150000	0.000000					5.16.	90.000000
EQDAT COMP CHGS-->	72. 5.	40.000000	72. 6.	40.000000	72. 7.	20.000000		
PARAMETER CHGS-->	10.	5.500000	11.	4.500000	12.	4.500000	18.	1.000000
							28.	0.080000