

Walnuts

TITLE: WALNUT PRODUCTION  
TULARE COUNTY  
1980

BY STEVE SIBBETT  
FARM ADVISOR

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
<b>1. GROSS RECEIPTS FROM PRODUCTION:</b>					
WALNUTS	TON	800.000	1.750	1400.00	
<b>TOTAL RECEIPTS:</b>				\$ 1400.00	
<b>2. VARIABLE COSTS:</b>					
<b>PREHARVEST:</b>					
PRUNING	ACRE	50.000	1.000	50.00	
BRUSH REMOVAL	HOUR	4.100	3.000	12.30	
NITROGEN	LBS.	0.250	150.000	37.50	
INSECTICIDE	GAL.	0.030	800.000	24.00	
SOIL STERILANT	ACRE	6.000	1.000	6.00	
POST EMERG HERB	ACRE	6.000	1.000	6.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			21.81	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			8.94	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			4.01	
IRRIGATION (POWER-LUBE-REP)	ACIN	0.517	42.000	21.73	
MACHINERY LABOR	HOUR	5.990	5.195	31.12	
IRRIGATION LABOR	HOUR	5.000	7.000	35.00	
INTEREST ON OPERATING CAP.	DOL.	0.140	108.205	14.76	
<b>TOTAL PREHARVEST COSTS:</b>				\$ 273.16	
<b>PREHARVEST COST PER TON</b>				\$ 156.0908	
<b>HARVEST:</b>					
CUSTOM HARVEST	TON	150.000	1.750	262.50	
<b>TOTAL HARVEST COSTS:</b>				\$ 262.50	
<b>HARVEST COST PER TON</b>				\$ 150.0000	
<b>TOTAL VARIABLE COSTS:</b>				\$ 535.66	
<b>VARIABLE COST PER TON</b>				\$ 306.0908	
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				\$ 864.34	
<b>INCOME PER TON</b>				\$ 493.9092	
<b>4. CASH OVERHEAD:</b>					
<b>REAL PROPERTY TAXES:</b>				63.00	
<b>MISC. OFFICE &amp; BOOKKEEPING ( 8.00% OF TOTAL VARIABLE COSTS)</b>				42.85	
<b>TOTAL CASH OVERHEAD:</b>				\$ 105.85	
<b>OVERHEAD COST PER TON</b>				60.4873	
<b>5. INCOME ABOVE ALL CASH COSTS:</b>				\$ 758.49	
<b>INCOME PER TON</b>				\$ 433.4219	
<b>6. OWNERSHIP COSTS:</b>					
<b>DEPRECIATION:</b>					
MACHINERY & EQUIPMENT	ACRE			36.86	
IRRIGATION SYSTEM	ACRE			14.60	
BUILDINGS	ACRE			16.22	
TREES, VINES OR STAND	ACRE			165.00	
<b>TOTAL DEPRECIATION:</b>				\$ 232.68	
<b>CAPITAL &amp; INTEREST:</b>					
MACHINERY&EQUIPMENT		0.140	362.540	50.76	
IRRIGATION SYSTEM		0.140	139.898	19.59	
BUILDINGS		0.107	281.019	29.98	
TREES, VINES OR STAND		0.107	660.000	352.11	
LAND		0.107	4000.000	426.80	
<b>TOTAL INTEREST CHARGE:</b>				\$ 879.24	
<b>TOTAL FIXED COSTS:</b>				\$ 1111.92	
<b>FIXED COST PER TON</b>				635.3813	
<b>7. TOTAL OF ABOVE COSTS:</b>				\$ 1753.43	
<b>TOTAL COST PER TON</b>				1001.9594	
<b>8. NET RETURNS:</b>				\$ -353.43	
<b>NET RETURNS PER TON</b>				-201.9594	

MATURE ORCHARD  
56 TREES PER ACRE  
YIELD OF 3500 POUNDS PER ACRE

UPDATED 02/28/80

BUDGET IDENTIFICATION NUMBER 2635400000 760 1  
DATE PRINTED: 04/30/80 1980 default data

BUDGET RECORD NUMBER 377  
HARVEST MONTH: 9

IDENTIFICATION NUMBER 2635400000 760 1  
 WALNUT PRODUCTION  
 TULARE COUNTY  
 1980

HARVEST MONTH 9  
 BY STEVE SIEBETT  
 FARM ADVISOR

BUDGET RECORD NUMBER 377

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	1400.00	0.00	0.00	0.00	1400.00
OPERATING EXPENSES														
PRUNING	\$/AC	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	50.00
BRUSH REMOVAL	\$/AC	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30
NITROGEN	\$/AC	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	37.50
INSECTICIDE	\$/AC	0.00	0.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	24.00
CUSTOM HARVEST	\$/AC	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
SOIL STERILANT	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	6.00	0.00	6.00
POST EMERG HERB	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	6.00
MACHINE LABOR COST	\$/AC	9.97	0.00	4.53	0.00	2.26	1.98	2.26	1.38	4.46	2.26	1.93	0.00	31.12
INTEREST ON OPER. CAP.	\$/AC	5.04	0.00	2.91	0.00	1.16	0.41	0.54	0.31	0.01	0.68	1.10	2.58	14.76
TRACTOR COST	\$/AC	6.98	0.00	3.17	0.00	1.59	1.39	1.59	0.97	3.14	1.59	1.39	0.00	21.81
EQUIPMENT COST	\$/AC	0.40	0.00	1.58	0.00	1.42	0.12	1.42	0.12	2.34	1.42	0.12	0.00	8.94
BLDG OPER. COST	\$/AC	0.40	0.00	0.40	0.00	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	4.00
IRRIGATION COST	\$/AC	0.00	0.00	3.10	0.00	3.10	3.10	4.66	4.66	3.10	0.00	0.00	0.00	21.72
IRRIG LABOR COST	\$/AC	0.00	0.00	5.00	0.00	5.00	5.00	7.50	7.50	5.00	0.00	0.00	0.00	35.00
TOTAL EXPENSES	\$/AC	60.09	0.00	45.70	0.00	26.94	12.41	24.37	27.34	293.48	6.35	10.99	27.93	535.66

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	1.66	0.00	0.76	0.00	0.38	0.33	0.38	0.23	0.75	0.38	0.33	0.00	5.20
IRRIGATION LABOR	HR/AC	0.00	0.00	1.00	0.00	1.00	1.00	1.50	1.50	1.00	0.00	0.00	0.00	7.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	6.00	0.00	6.00	6.00	9.00	9.00	6.00	0.00	0.00	0.00	42.00

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	
85 HP TRACTOR	4	50.0	15960.	15.	300.	13.49	21.01	5.65	40.16	14.15	2.12	5.54	21.81	4.723
IRR PUMP 30 HP*	21	1.0	8450.	25.	6400.	1.02	2.10	0.62	3.74	7.48	0.14	2.25	11.87	21.000
SURFACE IRR SYS*	53	2.0	45900.	10.	5000.	13.58	17.48	4.34	35.40	0.00	0.19	9.66	9.86	21.000
DISC-HYD OFFSET	80	16.0	10800.	15.	55.	14.79	18.83	5.52	39.15	0.00	0.11	5.57	5.68	1.250
DRY FERT APPLIC.	85	10.0	960.	15.	60.	0.61	0.76	0.23	1.59	0.00	0.01	0.32	0.32	0.625
WD SPRYR 200 GAL	88	15.0	2040.	15.	60.	1.12	1.43	0.42	2.97	0.00	0.00	0.24	0.24	0.547
500 GAL SPD SPRA	91	15.0	18000.	15.	80.	4.14	5.27	1.55	10.96	0.00	0.04	2.14	2.18	0.306
FLOAT	106	16.0	4800.	15.	25.	2.21	2.81	0.83	5.85	0.00	0.00	0.11	0.12	0.191
BRUSH RAKE	128	6.0	1200.	15.	200.	0.50	0.63	0.19	1.32	0.00	0.01	0.39	0.40	1.375
FARM SHOP	2		29434.	35.		9.48	21.63	3.69	34.79	3.69		0.16	3.84	
TOOLS-SHOP EQUIP	4		8600.	15.		5.02	7.46	1.07	13.55	0.00		0.14	0.14	
MISCL ORCH EQUIP	55		1229.	6.		1.73	0.90	0.15	2.78	0.00		0.02	0.02	

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE 1843. 67.60 100.33 24.25 192.26 27.32 2.63 26.53 56.48

TOTAL INVESTMENT 147422.

MATURE ORCHARD  
 56 TREES PER ACRE  
 YIELD OF 3500 POUNDS PER ACRE

UPDATED 02/26/80

WALNUT PRODUCTION  
TULARE COUNTY  
1980

BY STEVE SIBBETT  
FARM ADVISOR

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., PER ACRE	FIXED REP. COSTS PER ACRE
DISC-HYD OFFSET	4,	80 OCT	1.00	0.378	0.313	3.01	12.71
WD SPRYR 200 GAL	4,	88 NOV	1.00	0.331	0.274	1.51	4.04
BRUSH RAKE	4,	128 JAN	1.00	1.664	1.375	7.38	14.18
DRY FERT APPLIC.	4,	85 MAR	1.00	0.378	0.313	1.75	3.72
DISC-HYD OFFSET	4,	80 MAR	1.00	0.378	0.313	3.01	12.71
DISC-HYD OFFSET	4,	80 MAY	1.00	0.378	0.313	3.01	12.71
WD SPRYR 200 GAL	4,	88 JUNE	1.00	0.331	0.274	1.51	4.04
DISC-HYD OFFSET	4,	80 JULY	1.00	0.378	0.313	3.01	12.71
FLOAT	4,	106 AUG	1.00	0.231	0.191	1.09	7.63
DRY FERT APPLIC.	4,	85 SEPT	1.00	0.378	0.313	1.75	3.72
500 GAL SPD SPRA	4,	91 SEPT	1.00	0.320	0.306	3.23	13.82
TOTALS				5.195	4.294	30.75	101.99

MATURE ORCHARD  
56 TREES PER ACRE  
YIELD OF 3500 POUNDS PER ACRE

UPDATED 02/28/80

BUDGET IDENTIFICATION NUMBER--- 2635400000 760 1  
ANNUAL CAPITAL MONTH 9 BUDGET RECORD NUMBER 377

FUEL USE SUMMARY FOR BUDGET NUMBER 2635400000 760 1

WALNUT PRODUCTION BY STEVE SIBBETT  
TULARE COUNTY FARM ADVISOR  
1980

FUEL USED IN GALLONS PER HOUR

65 HP TRACTOR 3.120  
IRR PUMP 30 HP\* 0.075

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
IRR PUMP 30 HP*	0.075	
BRUSH RAKE	4.719	65 HP TRACTOR
DRY FERT APPLIC.	1.073	65 HP TRACTOR
WD SPRYR 200 GAL	0.939	65 HP TRACTOR
500 GAL SPD SPRA	1.049	65 HP TRACTOR
DISC-HYD OFFSET	1.073	65 HP TRACTOR
FLOAT	0.655	65 HP TRACTOR

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
BRUSH RAKE	4.719	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.719	3
DRY FERT APPLIC.	0.000	0.000	1.073	0.000	0.000	0.000	0.000	0.000	1.073	0.000	0.000	0.000	2.145	3
WD SPRYR 200 GAL	0.000	0.000	0.000	0.000	0.000	0.939	0.000	0.000	0.000	0.000	0.939	0.000	1.878	3
500 GAL SPD SPRA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.049	0.000	0.000	0.000	1.049	3
DISC-HYD OFFSET	0.000	0.000	1.073	0.000	1.073	0.000	1.073	0.000	0.000	1.073	0.000	0.000	4.290	3
FLOAT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.655	0.000	0.000	0.000	0.000	0.655	3
TOTALS	4.719	0.000	2.145	0.000	1.073	0.939	1.073	0.655	2.121	1.073	0.939	0.000	14.736	

FUEL BY TYPE  
0.00 GAS  
0.00 LP  
14.74 DIESEL

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

INCOME ABOVE VARIABLE COSTS  
WHEN THE PRICE OF WALNUTS  
AND THE QUANTITY OF WALNUTS

RANGES FROM  
RANGES FROM

400.00 TO  
0.75 TO

1200.00  
2.75

PRICE OF WALNUTS

400.00 600.00 800.00 1000.00 1200.00

\*\*\*\*\*

QUANTITY OF  
WALNUTS

0.75 *	-235.66	-85.66	64.34	214.34	364.34
* *					
1.25 *	-35.66	214.34	464.34	714.34	964.34
* *					
1.75 *	164.34	514.34	864.34	1214.34	1564.34
* *					
2.25 *	364.34	814.34	1264.34	1714.34	2164.34
* *					
2.75 *	564.34	1114.34	1664.34	2214.34	2764.34
* *					

INCOME ABOVE ALL CASH COSTS  
WHEN THE PRICE OF WALNUTS  
AND THE QUANTITY OF WALNUTS

RANGES FROM  
RANGES FROM

400.00 TO  
0.75 TO

1200.00  
2.75

PRICE OF WALNUTS

400.00 600.00 800.00 1000.00 1200.00

\*\*\*\*\*

QUANTITY OF  
WALNUTS

0.75 *	-341.51	-191.51	-41.51	108.49	258.49
* *					
1.25 *	-141.51	108.49	358.49	608.49	858.49
* *					
1.75 *	58.49	408.49	758.49	1108.49	1458.49
* *					
2.25 *	258.49	708.49	1158.49	1608.49	2058.49
* *					
2.75 *	458.49	1008.49	1558.49	2108.49	2658.49
* *					

INCOME ABOVE ALL COSTS  
WHEN THE PRICE OF WALNUTS  
AND THE QUANTITY OF WALNUTS

RANGES FROM  
RANGES FROM

400.00 TO  
0.75 TO

1200.00  
2.75

PRICE OF WALNUTS

400.00 600.00 800.00 1000.00 1200.00

\*\*\*\*\*

QUANTITY OF  
WALNUTS

0.75 *	-1453.43	-1303.43	-1153.43	-1003.43	-853.43
* *					
1.25 *	-1253.43	-1003.43	-753.43	-503.43	-253.43
* *					
1.75 *	-1053.43	-703.43	-353.43	-3.43	346.57
* *					
2.25 *	-853.43	-403.43	46.57	496.57	946.57
* *					
2.75 *	-653.43	-103.43	446.57	996.57	1546.57
* *					

BUDGET RECORD NUMBER 377  
MATURE ORCHARD  
56 TREES PER ACRE  
YIELD OF 3500 POUNDS PER ACRE

UPDATED 02/28/80

BUDGET IDENTIFICATION NUMBER 2635400000 760 1  
 HARVEST OR SALE MONTH 9

BUDGET RECORD NUMBER 377

WALNUT PRODUCTION  
 TULARE COUNTY  
 1989

BY STEVE SIBBETT  
 FARM ADVISOR

COSTS AND RETURNS WILL BE  
 DIVIDED BY 1.8 TON  
 TO OBTAIN PER TON COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX
PRODUCTION	NUMBER OF UNITS																	
1 WALNUTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	3.	63.	2.	0.
OPERATING INPUTS	RATE/UNIT																	
6 PRUNING	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	50.000	0.000	7.	340.	3.	0.
7 BRUSH REMOVAL	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.100	0.000	8.	313.	3.	0.
8 NITROGEN	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.250	0.000	12.	211.	3.	0.
9 INSECTICIDE	0.00	0.00	0.00	0.00	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.030	0.000	5.	240.	3.	0.
10 CUSTOM HARVEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00	150.000	0.000	3.	304.	3.	9.
11 MISC STERILANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	6.000	0.000	7.	255.	3.	0.
12 MISC EMERG HERB	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	6.000	0.000	7.	268.	3.	0.
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE																	
26 BUCK RAKE(BRUSH)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	120.	4.	0.
27 FERTILIZER APLIC	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	0.000	4.	85.	4.	0.
28 WD SPRYR 200 GAL	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.000	0.000	4.	88.	4.	0.
29 500 GAL SPD SPRA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.000	0.000	4.	91.	4.	0.
33 DISC-HYD OFFSET	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.000	0.000	4.	80.	4.	0.
34 FLOAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	106.	4.	0.
49 ACIN IRRIG WATER	0.00	0.00	6.00	0.00	6.00	6.00	9.00	9.00	6.00	0.00	0.00	0.00	0.00	0.00	21.	53.	70.	
50 NO. TIMES IRRIG	0.00	0.00	1.00	0.00	1.00	1.00	1.50	1.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

EQUIPMENT REQUIREMENTS	NUMBER UNITS	PROPERTY OF COST	XXX	EQUIP CODE	TYPE	XXXX
51 FARM SHOP	1.000	0.700	0.	2.	5.	0.
52 SHOP TOOLS&EQUIP	1.000	0.700	0.	4.	5.	0.
53 MISCL ORCH EQUIP	1.000	0.700	0.	55.	5.	0.

LAND REQUIREMENTS	CHARGE METHOD	NUMBER OF ACRES	VALUE OR COST/ACRE	TAXES PER ACRE	PERENNIAL CROPS YRS LIFE	COST/ACRE
71	1.	80.00	4000.00	63.00	40.0	6600.00

MATURE ORCHARD  
 56 TREES PER ACRE  
 YIELD OF 3500 POUNDS PER ACRE

MACHINERY COMPLEMENT 7  
 EQUIPMENT COMPLEMENT 1

UPDATED 02/28/80

LINE CHANGE	VALUE	LINE CHANGE	VALUE	LINE CHANGE	VALUE	LINE CHANGE	VALUE
RY NAME CHANGE--> 91	500 GAL SPD SPRA	4	65 HP TRACTOR				
RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
	4.16.	80. 2.	16.00000	*** 2.	16.00000		
PARAMETER CHGS-->28.	0.080000						

1980 default data