TITLE: SAMPLE COSTS TO PRODUCE BROCCOLI 1980 BY MARVIN SNYDER, FARM ADSANTA BARBARA COUNTY 100 DAYS PLANT TO HARVEST - BROCCOLI IS GROWN YEAR AROUND IN THE AREA

BY MARVIN SNYDER, FARM ADVISOR

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION: BROCCOLI		,	7500.000	1312.50	
			\$	1312.50	
TOTAL RECEIPTS: 2. VARIABLE COSTS; PREHARVEST; CUSTOM LIST BROCCOLI, SEED HERBICIDE FUNIGANT THINNING HAND HOEING FERTILIZER PESTICIDE APP TRACTOR (FUEL-LUBE-REPAIRS) EQUIPMENT (FUEL-LUBE-REPAIRS) IRRIGATION (FOWER-LUBE-REP) MACHINERY LABOR INTEREST ON OPERATING CAP.	APLC APLC ACRE	57.000 25.670	0.500 1.000 11.500 3.000 3.000	6.25 54.00 36.00 15.00 60.00 75.33 171.00 77.01 50.16 12.76 20.48 67.96 40.02 19.62	
TOTAL PREHARVEST COSTS; PREHARVEST COST PER LBS.	ž.		·- \$	705.59 0.0941	L ₂
HARVEST: HAND HARVEST CUSTON HAULING FOREMAN INTEREST ON OPERATING CAP.	LBS. TON LBS. DOL.	0.027 8.750 0.175 0.140	7500.000 3.750 375.500 0.073	204.75 32.81 65.71 0.01	• ,
TOTAL HARVEST COSTS: HARVEST COST PER LBS.			, 5	303.29 0.0404	
TOTAL VARIABLE COSTS: VARIABLE COST PER LBS.			\$	1008.87 0.1345	<u>`</u>
TOTAL VARIABLE COSTS: VARIABLE COST PER LBS. 3. INCOME ABOVE VARIABLE COSTS: INCOME PER LBS. 4. CASH OVERHEAD:		; .	, \$	303.63 0.0405	
4. CASH OVERHEAD: CASH RENT:	`		\$	150.00	,
TOTAL CASH OVERHEAD: OVERHEAD COST PER LBS.			\$	150.00 0.0200	
5. INCOME ABOVE ALL CASH COSTS:			\$	153.63 0.0205	
6. OWNERSHIP COSTS: DEPRECIATION:	ACRE '		\$	24.37	,
TOTAL DEPRECIATION:			\$	24.37	
CAPITAL & INTEREST: MACHINERY&EQUIPMENT		0.140	261.834	36.66	
TOTAL INTEREST CHARGE:			5	36.66	
TOTAL FIXED COSTS: FIXED COST PER LBS.			\$	61.03 0.0081	
7. TOTAL OF ABOVE COSTS: TOTAL COST PER LBS.			\$	1219.90 0.1627	
NET RETURNS: NET RETURNS PER LBS.			\$	92.60 0.0123	

BROCCOLI FOR FREEZING FURROW IRRIGATION - WATER FROM WELL SOURCE STUDY REPRESENTS TYPICAL PRACTICES

DATE: UPDATED 04/02/80

UC Cooperative Extension

IDENTIFICATION NUMBER 2684200000 260 1 HARVEST MONTH 7 BUDGE SAMPLE COSTS TO PRODUCE BROCCOLI 1980 BY MARVIN SNYDER, FARM ADVISANTA BARBARA COUNTY 100 DAYS PLANT TO HARVEST - BROCCOLI IS GROWN YEAR AROUND IN THE AREA

BY MARVIN SNYDER, FARM ADVISOR

BUDGET RECORD NUMBER 209

CATEGORY	TINU	HAL		SUMMA MAR	RY OF R	ECEIPTS MAY	AND E) JUN	(PENSES JUL	AUG	SEF	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.001	312.50	0.00	0.00	0.00	0.00	0.00	1312.50
OPERATING EXPENSES CUSTOM LIST BROCCOLI, SEED HERBICIDE FUMIGANT THINNING HAND HOEING FERTILIZER PESTICIDE APP HAND HARVEST CUSTOM HAULING FOREMAN MACHINE LABOR COST INTEREST ON OPER. CAP. TRACTOR COST EQUIPMENT COST IRRIGATION COST IRRIGATION COST	\$/AC \$/AC \$/AC \$/AC \$/AC \$/AC \$/AC \$/AC	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 23.67 5.99 26.60 0.00	0.00 54.00 36.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 60.00 19.65 57.00 0.00 0.00 0.00 8.99 4.59 4.77 1.36 10.24 20.01	0.00 0.00 0.00 0.00 55.68 57.00 25.67 0.00 0.00 3.20 1.69 1.59 0.60 3.41 6.67	0.00 0.00 0.00 0.00 0.00 0.00 25.67 204.75 32.81 65.63 6.05 0.00 3.18 0.95	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6.25 54.00 36.00 15.00 60.00 75.33 171.00 77.01 204.75 32.81 67.96 19.63 50.16 12.76 20.48 40.02
TOTAL EXPENSES	\$/AC	0.00	0.00 14	10.16	134.07	212.27	155.50	339.03	16.72	11.12	0.00	0.00	0.00	1008.87
MACHINE LABOR IRRIGATION LABOR IRRIG. WATER APPLIED	HR/AC HR/AC ACIN	0.00 0.00 0.00	MONTHLY 0.00 0.00 0.00	IRRIG 3.01 0.00 0.00	ATION A 1.45 2.00 6.00	1.14 3.00 9.00	R REQUI	IREMENTS 0.77 0.00 0.00	1.12 0.00 0.00	0.75 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	8.65 6.00 18.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	FIXED DEPR.	COST .	PER ACR TAX &INS	E TOTAL	VARIAB FUEL		PER A EPAIRS	CRE Total	HRS PER ACRE
TRACTOR 40 HP TRACTOR 105 HP PICKUP 1/2 T IRR PUMP 75 HP* CHISEL CULTIVATOR 4 ROW DISK TANDEM FINISHLEVEL12X45 MB PLOW 5-16 PLANTER 4ROW FURROW IRIG SYS*	2 6 14 22 41 52 66 85 98 108 132	40.0 105.0 0.5 2.0 6.0 10.0 12.0 6.7 10.0 2.0	11400. 33000. 9000. 0. 2160. 2640. 3840. 8520. 6600. 2700.	20. 20. 6. 25. 13. 15. 15. 15.	600. 750. 3200. 180. 110. 130. 190. 50.	4.17 6.51 0.15 0.00 0.44 5.81 1.85 1.31 3.22 0.91	7.55 11.80 0.11 0.00 0.51 7.40 2.36 1.67 4.10 1.16 0.00	2.15 3.36 0.00 0.15 2.17 0.69 0.49 1.20 0.34	13.88 21.68 0.29 0.00 1.09 15.38 4.91 3.47 8.51 2.41 0.00	14.50 13.77 0.48 18.36 0.00 0.00 0.00 0.00 0.00	2.17 2.07 0.07 0.28 0.01 0.11 0.06 0.01 0.03 0.02 0.02	6.89 10.76 0.12 0.79 0.59 5.25 2.85 0.63 1.35 1.17	23.56 26.60 0.68 19.43 0.60 5.36 2.91 0.65 1.37 1.20	5.034 2.717 0.100 9.000 0.539 4.017 1.042 0.485 0.404 9.000
MACHINERY & EQUI		R ACRE	799.			24.37	36.66	10.58	71.61	47.11	4.85	31.44	83.40	

TOTAL INVESTMENT

79860.

BROCCOLI FOR FREEZING FURROW IRRIGATION - WATER FROM WELL SOURCE STUDY REPRESENTS TYPICAL PRACTICES

DATE: UPDATED 04/02/80.

UC Cooperative Extension

FUEL USE SUMMARY FOR BUDGET NUMBER 2684200000 260 1

SAMPLE COSTS TO PRODUCE BROCCOLI 1980 BY MARVIN SNYDER, FARM ADVISOR SANTA BARBARA COUNTY 100 DAYS PLANT TO HARVEST - BROCCOLI IS GROWN YEAR AROUND IN THE AREA

FUEL USED IN GALLONS PER HOUR

TRACTOR 40 HP	2.400
TRACTOR 105 HP	 5.280
PICKUP 1/2 T	 4.000
IRR PUMP 75 HP*	0.311

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

GALLONS	POWER UNIT
0.073 0.156	TRACTAR (OS UR
2.349	TRACTOR 105 HP Tractor 105 HP
1.408 3.132	TRACTOR 105 HP Tractor 105 HP
1.478 0.816	TRACTOR 40 HP Tractor 40 HP
	0.073 0.156 1.513 2.349 1.408 3.132 1.478

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

DISK TANDEM AB PLOW 5-16 INISHLEVEL12X45 ISEL ANTER 4ROW CULTIVATOR 4 ROW PICKUP 1/2 I	1 0.000 0.000 0.000 0.000 0.000 0.000	2 0.000 0.000 0.000 0.000 0.000 0.000	3 6.050 2.349 2.817 3.132 0.000 0.000	0.000 0.000 0.000 0.000 1.478 1.631 0.073	5 0.000 0.000 0.000 0.000 0.000 2.447 0.073	6 0.000 0.000 0.000 0.000 0.816 0.109	7 0.000 0.000 0.000 0.000 0.000 1.631 0.073	8 0.000 0.000 0.000 0.000 0.000 2.447 0.000	9 0.000 0.000 0.000 0.000 0.000 1.631 0.000	10 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000	12 T 0.000 0.000 0.000 0.000 0.000 0.000	0TAL 6.050 2.349 2.817 3.132 1.478 10.604 0.400	FUEL T
TOTALS	0.000	0.000	14.420	3.182	2.520	0.925	1.704	2.447	1.631	0.000	0.000	0.000	26.829	

GALLONS FUEL BY TYPE 12.48 GAS 0.00 LP 14.35 DIESEL

FUEL TYI 1=GAS 2=L.P. 3=DIESI

OPERATION	ITEM NO. DATE	TIMES LABOR OVER HOURS			FIXED COSTS PER ACRE
CULTIVATOR 4 ROW CULTIVATOR 4 ROW DISK TANDEM AB PLOW 5-16 FINISHLEVEL12X45 CHISEL PICKUP 1/2 T PLANTER 4ROW CULTIVATOR 4 ROW PICKUP 1/2 T	2, 52 AUG 2, 52 SEPT 6, 66 MAR 6, 98 MAR 6, 85 MAR 6, 41 MAR 14 MAR 2,108 APR 14 APR 2, 52 AAY 14 MAY 2, 52 JUNE 14 JUNE 2, 52 JULY 14 JULY	3.00 1.122 2.00 0.748 4.00 1.260 1.00 0.489 2.00 0.587 1.00 0.652 1.00 0.677 2.00 0.748 1.00 0.022 1.00 0.022 1.00 0.374 1.50 0.334 1.50 0.334 1.50 0.746 1.00 -0.022	0.618 1.042 0.404 0.485 0.539 0.018 0.560 0.618 0.927 0.018 0.309 0.027	6.01 4.01 14.13 5.73 5.87 6.41 0.12 4.08 4.01 0.12 2.00 0.18 4.01 -0.12	6.36 4.24 14.05 12.06 7.73 5.82 0.05 4.11 4.24 0.05 6.36 0.05 2.12 0.08 4.24
TOTALS		8.647	7.147	62.92	71.61

BROCCOLI FOR FREEZING FURROW IRRIGATION - WATER FROM WELL SOURCE STUDY REPRESENTS TYPICAL PRACTICES

DATE: UPDATED 04/02/80

BUDGET IDENTIFICATION NUMBER---ANNUAL CAPITAL MONTH 7 2684200000 260 1 BUDGET RECORD NUMBER

209

WHEN THE F	OVE VARIABLE COST PRICE OF BROCC QUANTITY OF BROCC	OLI	RANGES FROM RANGES FROM	0.16 TO 6500.00 TO	0.18 8500.00	
		PRICE OF	BROCCOLI	,		
	,	0.16	0.17	0.17	0.18	0.18
	· 6500.00 ₹	********* 63.63	*********** 96.13	************** 128.63	********* 161.13	******** 193.63
MIANTITY	7000.00 *	146.13	181.13	216.13	251.13	286.13
QUANTITY (Broccoli	7500.00 *	228.63	266.13	303.63	341.13	378.63
	8000.00 ±	311.13	351.13	391.13	431.13	471.13
	8500.00 * *	393.63	436.13	478.63	521.13	263.63
WHEN THE F	OVE ALL CASH COST PRICE OF BROCC QUANTITY OF BROCC	OLI	RANGES FROM RANGES FROM	0.16 TO 6500.00 TO	0.18 8500.00	
		PRICE OF	BROCCOLI			
•		0.16	0.17	0.17	0.18	0.18
*	4500.00 ¥	********** -86.37	*************** -53.87	**************************************	********* 11.13	******** 43.63
QUANTITY	7000.00 ¥	-3.87	31.13	66.13	101.13	136.13
BROCCOLI	7500.00 *	. 78.63	. 116.13	. 153.63	191.13	228.63
	8000.00 ±	161.13	201.13	241.13	281.13	321.13
•	8500.00 * *	243.63	286.13	328.63	371.13	413.63
WHEN THE F	OVE ALL COSTS PRICE OF BROCC QUANTITY OF BROCC		RANGES FROM RANGES FROM	0.16 TO 6500.00 TO	0.18 8500.00	
into the t		PRICE OF	BROCCOLI		0000100	,
	•	0.16		0.17	0.18	0.18
	r			**************************************		
	6500.00 ±	-147.40		-82.40	-49.90	-17.40
QUANTITY	7000.00 ±	-64.90	-29.90	5.10	40.10	75.10
BROCCOLI	7500.00 ±	17.60	55.10	92.60	130.10	167.60
	8000.80 ±	100.10	140.10	180.10	220.10	260.10
	8500.00 ± ±	182.60	225.10	267.60	310.10	352.60

BUDGET RECORD NUMBER 209 BROCCOLI FOR FREEZING FURROW IRRIGATION - WATER FROM WELL SOURCE STUDY REPRESENTS TYPICAL PRACTICES

DATE: UPDATED 04/02/80

SAMPLE COSTS TO PRODUCE BROCCOLI 1980 SANTA BARBARA COUNTY

BY MARVIN SNYDER, FARM ADVISOR

1980 Default Data

100 DAYS PLANT TO HARVEST - BROCCOLI IS GROWN YEAR AROUND IN THE AREA

COSTS AND RETURNS WILL TOURISH TO OBTAIN PER LBS. COSTS

LINE	1 Jan	2 FEB	3 Mar	4 APR	5 MAY	4UL 6	7 JUL	8 AUG	9 SEP	10 0CT	11 NOV	12 Dec	13 PRICE	14 SHARE RENT		16 ITEM CODE	17 TYPE	16 XXXX
PRODUCTION 1 Broccoli	0.00	0.00	0.00	0.00	NUABE 0.00	R OF U €0.00	NITS	0.00	0.00	0.00	0.00	0.00	0.175	0.000			2.	0.
OPERATING INPUTS				<i>,</i>	RAT	E/UNIT							PRICE	SHARE RENT	UNIT	ITEM	TYPE	HARV CODE
6 CUSTOM LIST 7 BROCCOLI, SEED 8 HERBICIDE 9 FUNIGANT 10 THINNING 11 HAND HOEING 12 FERTILIZER 13 PESTICIDE APP 14 HAND HARVEST 15 CUSTOM HAULING 17 FOREMAN	00.0 00.0 00.0 00.0 00.0 00.0	0.00 0.00 0.00 0.00 0.00	1.00 0.00 0.50 0.00 0.00 0.00 0.00	0.00 1.00 1.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 1.00 3.00 1.00 0.00 0.00	0.00 0.00 0.00 0.00 8.50 1.00 1.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 1.00 1.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 00.00 00.00 00.00 00.00 00.00	00.0 00.0 00.0 00.0 00.0 00.0	57.000 25.670 0.027	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	7. 12. 7. 7. 7. 8. 34. 34. 12.	286. 168. 250. 261. 339. 335. 201. 357. 347. 306. 334.	35355555	0. 0. 0. 0. 0. 0. 9.
MACHINERY REQUIREMEN	YTS	IMPLEM	ENTS =	TIMES	OVER.	TRUCK	(S = #	MILES/	ACRE,	TRACTO	RS = H	RS/ACI	RE .	M CREW I		MACH T COD		HARV CODE
26 DISK TANDEM 27 MB PLOW 5-16 28 FINISHLEVEL12X45 29 CHISEL 31 PLANTER 4ROW 32 CULTIVATOR 4 ROW 33 PICKUP 1/2 I / ACIN IRRIG WATER 30 NO. TIMES IRRIG	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	1.00 2.00 1.00 0.00 0.00	0.00 0.00 0.00 1.00 2.00 1.00	0.00 0.00 0.00 0.00 3.00 1.00	0.00 0.00 0.00 0.00 1.00 1.50	0.00 0.00 0.00 0.00 2.00 1.00		0.00 0.00 0.00 0.00 2.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 SHARE FIXED	0.000 0.000 0.000 0.000 0.000 0.000 SHARE	6. 6. 2. 2. 0. POWER UNIT	66. 98. 85. 41. 108. 52. 14. SYSM CODE	4444444	0. 0. 0. 0. 0.
													-					
EQUIPMENT REQUIREME	NTS	-												PROPORT OF COST		EQUIP CODE		XXXX
LAND REQUIREMENTS		CHARGE NETHOD 2.	į	NUME OF A 1	ER CRES 00.00	VALUE	OR ACRE 150,00	TAXES PER A 0.0	CRE YE	PERENN S LIFE O.O	IAL CR	OPS /ACRE 0.00						
BROCCOLI FURROW IR STUDY REP	FOR FRI RIGATION RESENT	EEZING ON - WA S TYPIC	NTER FR CAL PRA	ROM WEL	L SOUI	RCE	ŝ	0	ATE:	UPDATE	0 04/0	2/80		INERY CO MENT CO			2	
***NO NAME CHANGES	HAVE BI	EN STO	RED WI	TH THI	s Bude	ET**										-		
PARAMETER CHGS>10	CL	VALUE 7.860	8 4 11 000	CL.	VALUE 6.55	50000 1	LL CL	VALU 6.6	E 70000	RK CL	VAL	UE	RM CL	VALU	Ε	RM C	L [†]	VALUE