

Silage #129

(H)

TITLE: CORN SILAGE PRODUCTION COSTS & RETURNS  
STANISLAUS COUNTY - 1977

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST	
<b>1. GROSS RECEIPTS FROM PRODUCTION:</b>						
SILAGES	TON	12.000	25.000	300.00		
<b>TOTAL RECEIPTS:</b>				\$ 300.00		
<b>2. VARIABLE COSTS:</b>						
<b>PREHARVEST:</b>						
PLow DOWN FERT	LBS.	0.200	80.000	16.00		
SILAGES, SEED	LBS.	0.900	20.000	18.00		
NITROGEN	LBS.	0.160	250.000	40.00		
MISCL SUPPLIES	ACRE	3.000	1.000	3.00		
WATER	ACIN	0.670	40.000	26.80		
PLASTIC COVERS	TON	0.200	25.000	5.00		
TRACTOR (FUEL=LUBE=REPAIRS)	ACRE			6.78		
EQUIPMENT (FUEL=LUBE=REPAIRS)	ACRE			10.48		
BUILDINGS (FUEL=LUBE=REPAIRS)	ACRE			2.92		
IRRIGATION (LUBE=REPAIRS)	ACRE			1.95		
IRRIGATION WATER APPLIED	ACIN	0.049	40.000			
MACHINERY LABOR	HOUR	4.000	3.724	14.90		
IRRIGATION LABOR	HOUR	4.000	8.000	32.00		
INTEREST ON OPERATING CAP.	DOL.	0.086	123.329	10.64		
<b>TOTAL PREHARVEST COSTS:</b>				\$ 188.48		
<b>PREHARVEST COST PER TON:</b>				\$ 7.54		
<b>HARVEST:</b>						
HARVEST & HULL	TON	3.250	25.000	81.25		
INTEREST ON OPERATING CAP.	DOL.	0.086	54.167	4.67		
<b>TOTAL HARVEST COSTS:</b>				\$ 85.92		
<b>HARVEST COST PER TON:</b>				\$ 3.44		
<b>TOTAL VARIABLE COSTS:</b>				\$ 274.40		
<b>VARIABLE COST PER TON:</b>				\$ 10.98		
<b>3. INCOME ABOVE VARIABLE COSTS:</b>						
<b>INCOME PER TON:</b>				\$ 1.02		
<b>4. CASH OVERHEAD: (PROPERTY TAX &amp; INSURANCE + 2.5% OF TOTAL VARIABLE COSTS)</b>						
<b>LAND TAXES:</b>				12.00		
<b>BUILDINGS:</b>				7.75		
<b>TOTAL CASH OVERHEAD:</b>				\$ 19.75		
<b>5. OWNERSHIP COSTS:</b>						
<b>DEPRECIATION:</b>						
MACHINERY & EQUIPMENT	ACRE			7.27		
IRRIGATION SYSTEM	ACRE			10.75		
BUILDINGS:	ACRE			11.55		
<b>TOTAL DEPRECIATION:</b>				\$ 29.58		
<b>CAPITAL &amp; INTEREST:</b>				\$		
<b>MACHINERY &amp; EQUIPMENT</b>				0.086	61.086	5.27
<b>IRRIGATION SYSTEM</b>				0.086	98.838	8.53
<b>BUILDINGS:</b>				0.086	224.447	19.37
<b>TOTAL INTEREST CHARGE:</b>				\$	33.17	
<b>TOTAL FIXED COSTS:</b>				\$ 94.66		
<b>FIXED COST PER TON:</b>				\$ 3.79		
<b>NET INCOME ABOVE FIXED &amp; VARIABLE COSTS:</b>				\$ -69.06		
<b>NET INCOME PER TON:</b>				\$ -2.76		
<b>6. MANAGEMENT CHARGE (.5% OF GROSS RECEIPTS)</b>						
				\$ 15.00		
<b>7. LAND CHARGE (\$ 800.00 @ 8.3%):</b>						
				\$ 66.00		
<b>8. TOTAL OF ABOVE COSTS:</b>				\$ 450.06		
<b>TOTAL COST PER TON:</b>				\$ 18.00		
<b>9. NET RETURNS:</b>						
<b>NET RETURNS PER TON:</b>				\$ -150.06		
				\$ -6.00		

FOOTNOTE: 80 ACRE FARM;  
IRRIGATION DISTRICT: FLOOD IRRIGATED  
AUTHOR: COOP EXT  
BUDGET IDENTIFICATION: ENTERPRISE 228 COUNTY 50 MISCL 00 IRRIGATION LEVEL 7 LAND CLASS 2  
INVTY. # 0 MACH. COMP. 3 IRIG. SYSTEM 1 PRICE VECTOR 2 EQUIP. COMP. 1  
DATE PRINTED: 06/27/78  
ANNUAL CAPITAL MONTH: 5

CORN SILAGE PRODUCTION COSTS & RETURNS  
STANISLAUS COUNTY - 1977

MONTHLY SUMMARY OF RECEIPTS AND EXPENSES

CATEGORY	UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00	300.00
OPERATING EXPENSES														
PLOW DOWN FERT	\$/AC	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
SILAGES, SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00
NITROGEN	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00	40.00
MISCI SUPPLIES	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	3.00
HARVEST & HALL	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.25	0.00	0.00	0.00	81.25
WATER	\$/AC	0.00	0.00	0.00	0.00	3.35	10.05	6.70	6.70	0.00	0.00	0.00	0.00	26.80
PLASTIC COVERS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.00
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.00	5.30	5.62	1.79	0.87	1.31	0.00	0.00	0.00	14.90
INTEREST ON OPER. CAP.	\$/AC	0.01	0.01	0.00	0.00	0.25	4.35	4.46	1.10	5.11	0.01	0.01	0.01	15.32
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	2.98	3.19	0.62	0.00	0.00	0.00	0.00	0.00	6.78
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.00	2.45	5.22	1.13	0.67	1.01	0.00	0.00	0.00	10.48
BLDG OPER. COST	\$/AC	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	2.92
IRRIGATION COST	\$/AC	0.00	0.00	0.00	0.00	0.24	0.73	0.49	0.49	0.00	0.00	0.00	0.00	1.95
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	4.00	12.00	8.00	8.00	0.00	0.00	0.00	0.00	32.00
TOTAL EXPENSES	\$/AC	0.25	0.25	0.25	0.25	34.82	59.40	66.44	18.07	93.92	0.26	0.25	0.25	274.40

MONTHLY IRRIGATION AND LABOR REQUIREMENTS

	HR/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
MACHINE LABOR	HR/AC	0.00	0.00	0.00	0.00	1.33	1.40	0.45	0.22	0.33	0.00	0.00	0.00	3.72
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	1.00	3.00	2.00	2.00	0.00	0.00	0.00	0.00	8.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	5.00	15.00	10.00	10.00	0.00	0.00	0.00	0.00	40.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANNUAL FIXED COST PER ACRE				VARIABLE COST PER ACRE				HRS PER ACRE	
					HOURS USED	DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS		
TRACTOR 60 HP	3	60.0	13600.	12.	1000.	1.950	1.683	0.644	4.277	2.643	0.396	3.745	6.784	2.294
PICKUP 1/2 T	14	0.5	7500.	3.	1350.	1.082	0.339	0.121	1.543	2.320	0.348	1.024	3.692	1.000
BED SHAPER 6ROW	50	15.0	4325.	15.	100.	0.496	0.390	0.160	1.046	0.000	0.009	0.453	0.462	0.190
SPRINGTOOTH	77	16.0	2600.	13.	190.	0.198	0.142	0.058	0.399	0.000	0.007	0.328	0.335	0.215
FLOAT	88	12.0	1050.	7.	360.	0.053	0.027	0.010	0.090	0.000	0.001	0.049	0.050	0.170
4"DISC PLOW	94	5.3	1600.	15.	100.	0.493	0.387	0.159	1.039	0.000	0.008	0.404	0.412	0.511
MB PLOW 5-16	98	6.7	5500.	15.	90.	1.489	1.169	0.481	3.139	0.000	0.027	1.338	1.365	0.404
PLANT-INC 4ROW	111	10.0	7175.	14.	180.	1.511	1.135	0.464	3.110	0.000	0.082	4.084	4.165	0.595
SURFACE IRR SYS*	128	2.0	38150.	10.	5000.	10.752	8.530	3.199	22.481	0.000	0.038	1.912	1.950	20.000
TOTAL			81500.			18.03	13.80	5.30	37.12	4.96	0.92	13.34	19.22	



(4)

BUDGET IDENTIFICATION NUMBER 2285000720 312 1  
HARVEST OR SALE MONTH 5

BUDGET RECORD NUMBER 129

CORN SILAGE PRODUCTION COSTS & RETURNS  
STANISLAUS COUNTY - 1977

COSTS AND RETURNS WILL BE  
DIVIDED BY 25.0 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 SILAGES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	12.000	0.000	3.	28.	2.	0.	
OPERATING INPUTS	RATE/UNIT																		
														PRICE	SHARE	UNIT	ITEM	TYPE	HARV
														RENT	RENT	CODE	CODE		CODE
6 PLOW DOWN FERT	0.00	0.00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.200	0.000	12.	205.	3.	0.	
7 SILAGES, SEED	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.900	0.000	12.	128.	3.	0.	
8 NITROGEN	0.00	0.00	0.00	0.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.160	0.000	12.	211.	3.	0.	
9 MISCL SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	3.600	0.000	7.	423.	3.	0.	
10 HARVEST & HAUL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	3.250	0.000	3.	318.	3.	9.	
11 WATER	0.00	0.00	0.00	0.00	5.00	15.00	10.00	10.00	0.00	0.00	0.00	0.00	0.670	0.000	11.	493.	3.	0.	
12 PLASTIC COVERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.200	0.000	3.	382.	3.	0.	
MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												M	CREW	POWER	RACH	TYPE	HARV	
													LABOR	UNIT	CODE		TYPE	HARV	
																		CODE	
26 MB PLOW 5-16	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	98.	4.	0.	
27 4-DISC PLOW	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	94.	4.	0.	
28 SPRINGTOOTH	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	77.	4.	0.	
29 FLOAT	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	88.	4.	0.	
30 PLANT-INC 4ROW	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	111.	4.	0.	
31 BED SHAPER 6ROW	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	3.	50.	4.	0.	
32 PICKUP 1/2 T	0.00	0.00	0.00	0.00	10.00	10.00	10.00	10.00	15.00	0.00	0.00	0.00	0.000	0.000	0.	14.	4.	0.	
													SHARE	SHARE	POWER	SYSA			
													FIXED %	VAR %	UNIT	CODE	LIFT		
49 ACIN IRRIG WATER	0.00	0.00	0.00	0.00	5.00	15.00	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.128.		0.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	1.00	3.00	2.00	2.00	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	0.600	0.	2.	5.	0.
52 SHOP TOOLS&EQUIP	1.000	0.600	0.	4.	5.	0.
53 SILO	1.000	0.600	0.	35.	5.	0.
54 FUELTANK 550 GAL	1.000	0.600	0.	18.	5.	0.

LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	1.	80.00	800.00	12.00	0.0 0.00

60 ACRE FARM:  
IRRIGATION DISTRICT: FLOOD IRRIGATED

AUTHOR: COOP EXT  
02/16/78

MACHINERY COMPLEMENT 3  
EQUIPMENT COMPLEMENT 1

EQUIP NAME CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE					
35 SILO										
PARAMETER CHGS-->10.	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
		4.000000	11.	4.000000						