

CEREALES FOR GREEN CHOP

1971 - Cost Analysis Work Sheet

YIELD - 15 tons wilted basis,  
equal to 5 tons baled hay

					Operating Costs/Hour				
					Fuel & Repairs	Deprec.	Interest	Total	
					CT-Crawler Tractor 75 hp	\$3.80	\$2.00	\$1.20	\$7.00
					WT-Wheel Tractor 50 hp	1.20	1.40	.55	3.15
					SWT-Wheel Tractor 30 hp	1.00	.40	.25	1.65
					S-Swather	3.85	3.00	.75	7.60
					SPC-Chopper and Wagon	5.50	4.50	2.25	12.25
Equipment Operator - \$2.60* per hr. total									
Irrigator - 2.30* " " "									
Hand Labor - 2.10* " " "									
Operations	Tractor	Acres /Hour	Hours /Acre	Labor	Fuel & Repairs	Materials	Costs	Cost/Acre	
<u>Cultural Costs</u>		Ac.	Hr.	\$	\$	Kind and Amount	\$	Sample	
Pre-irrigate		1.00	1.00	2.30		Water - .4 ac. ft. @ \$5	2.00	4.30	
Disc 2x	CT	1.25	.75	1.95	2.85			4.80	
Plant	SWT	3.00	.33	.86	.33	Seed - 100 lbs @ \$6	6.00	7.19	
Fertilize 2x						100 lbs N @ 12¢ - applic. \$1	13.00	13.00	
Border disc	WT	5.00	.20	.52	.24			.76	
Irrigate 1x		1.00	1.00	2.30	1.00	Water - 4 ac. ft. @ \$5	2.00	5.30	
Repairs to equipment					1.60			1.60	
<b>Total Cultural Cost</b>			<b>3.28</b>	<b>\$7.93</b>	<b>6.02</b>		<b>\$23.00</b>	<b>\$ 36.95</b>	
<u>Harvesting Costs</u>									
Windrow	S	4.00	.25	.65	.96			1.61	
Chop into Wagon	C	1.00	1.00	2.60	5.50			8.10	
<b>Total Harvest Cost</b>			<b>1.25</b>	<b>\$3.25</b>	<b>\$6.46</b>			<b>\$ 9.71</b>	
Rent - \$90 Proportionate share - 40%								36.00	
Business & Miscellaneous costs						6% of cultural, harvest cost & rent		4.96	
<u>Depreciation &amp; Interest</u>					Hours	Depreciation	Interest 7%		
					CT tractor	.75 \$ 1.50	\$ .90		
					WT tractor	.20 .28	.11		
					SWT tractor	.33 .13	.08		
					S swather	.25 .75	.19		
					C chopper & wagon	1.00 4.50	2.25		
					Irrig., bldgs., other equip. (\$80-10 yrs-40%)	3.20	1.12		
<b>Total Depreciation &amp; Interest</b>						<b>\$10.36</b>	<b>\$ 4.65</b>	<b>\$ 15.01</b>	
<b>Total Cost Per Acre</b>								<b>\$102.63</b>	
<b>Total Cost Per Ton - wilted basis</b>								<b>6.84</b>	

\*Social Security, Workman's Compensation, Insurance included.

CEREALS FOR GREEN CHOP - PROFITS AS AFFECTED BY YIELD AND PRICE

YIELD Tons/Acre	Production Costs/Acre	Cereals for Green Chop - Price Per Ton						
		\$8.00	\$9.00	\$10.00	\$11.00	\$12.00	\$13.00	\$14.00
\$ - Profit or Loss Per Acre								
12	100.63	-4.63	+7.37	+19.37	+31.37	+43.37	+55.37	+67.37
13	101.63	+2.37	+15.37	28.37	41.37	54.37	67.37	80.37
14	102.63	+9.37	23.37	37.37	51.37	65.37	79.37	93.37
15	102.63	+17.37	32.37	47.37	62.37	77.37	92.37	107.37
16	102.63	+25.37	41.37	57.37	73.37	89.37	105.37	121.37
17	103.63	+32.37	49.37	66.37	83.37	100.37	117.37	134.37
18	104.63	+39.37	57.37	75.37	93.37	111.37	129.37	147.37
19	105.63	+46.37	65.37	84.37	103.37	122.37	141.37	160.37
20	106.63	+53.37	73.37	93.37	113.37	133.37	153.37	173.37

Agricultural Extension Service  
 University of California  
 Santa Barbara County

WEB:rs  
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