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 UNIVERSITY OF CALIFORNIA BERKELEY

*Cost of prod. studies
 = pasture =*

December, 1965
 Walter Spivey, Farm Advisor
 Phil Parsons, Ext. Economist

SAMPLE COST TO ESTABLISH IRRIGATED PASTURE
 Agricultural Extension Service - Del Norte County

- Based on:
1. 250 acres in total farm
 2. 120 acres irrigated pasture
 3. Skilled labor @2.00 hr.; common labor \$1.65 hr.
 4. 4 animal unit months of grazing first summer

Operation	Hours Per Acre	Cash and Labor Cost Per Acre			Total
		Labor	Fuel and Repairs	Materials Kind and Quantity Cost	
Cultural costs					
Disk Harrow 2 times	1.0	2.00	1.35		3.35
Plow	1.0	2.00	1.65		3.65
Disk & Spike Tooth	1.0	2.00	1.50		3.50
Float 2 times	.5	1.00	.65		1.65
Cultipack 3 times	1.0	2.00	1.15		3.15
Fertilize	.3	.60	.33	300 lbs. 16-20 11.25	12.18
Seed	.3	.60	.33	20 lbs. @ .60 12.00	12.93
Irrigate 7 times	3.5	5.78	2.00	Power to Pump 7.00	14.78
Clip Weeds	.5	1.00	.62		1.62
TOTAL CULTURAL COSTS		\$16.98	\$9.58	\$30.25	\$56.81
Cash overhead					
Misc., office, etc				1.10	1.10
Taxes - \$280 x 25% x rate of 8				5.60	5.60
TOTAL CASH OVERHEAD				6.70	6.70
TOTAL CASH COST		\$16.98	\$9.58	\$36.95	\$63.51

INVESTMENT	Per Acre	Life (Years)	Annual Cost		
			Depreciation	Interest	
Land	\$280	---	---	\$16.80	
Equipment	52	10	5.20	1.56	
Total	\$332		\$ 5.20	\$18.36	\$23.56

TOTAL COST PER ACRE	\$87.07
Credit 4 a.u.m.s @ \$5.00 = \$20.00	- 20.00
Net Cost Per Acre	\$67.07

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SAMPLE COSTS TO PRODUCE IRRIGATED PASTURE
 Agricultural Extension Service - Del Norte County

Based on:

1. 250 acres in total farm
2. 120 acres irrigated pasture (grazing only)
3. Skilled labor \$2.00/hr.; common labor \$1.65/hr.

Operation	Hours Per Acre	Cash and Labor Cost Per Acre			Total
		Labor	Fuel and repairs	Materials Kind and Quantity Cost	
Cultural costs					
Fertilize 2 times	.6	1.20	.66	60 lbs. N. @ .13 & 100 lbs. P ₂ O ₅ @ .11 18.80	20.66
Irrigate 7 times	3.5	5.78	2.00	Power to pump 7.00	14.78
Clip 2 times	1.0	2.00	1.25		3.25
Drag	.3	.60	.32		.92
TOTAL CULTURAL COSTS		\$9.58	\$4.23	\$25.80	\$39.61
Cash overhead					
Misc., office, etc.				1.00	1.00
Taxes - $30 \times 25\% \times \text{rate of } 8$				5.60	5.60
TOTAL CASH OVERHEAD				6.60	6.60
TOTAL CASH COST		\$9.58	\$4.23	\$32.40	\$46.21
INVESTMENT	Per Acre	Life (Years)	Annual Cost		
			Depreciation	Interest	
Land	\$280	---	---	\$16.80	
Fence	15	12	\$ 1.25	.45	
Irrigation well & pump	90	20	4.50	2.70	
Sprinkler pipe	60	15	4.00	1.80	
Equipment	34	10	3.40	1.02	
Stand	67	5	13.40	2.01	
Total	\$546		\$26.55	\$24.78	\$51.33
TOTAL COST PER ACRE					\$97.54
Cost per A.U.M. @ 12 A.U.M. yield					\$ 8.13

SAMPLE COSTS TO PRODUCE IRRIGATED PASTURE & HAY
 Agricultural Extension Service - Del Norte County

Based on:

- 250 acres in total farm
- 120 acres irrigated pasture: (a) 80 acres grazing only (b) 40 acres cut hay & grazing (2 tons hay and 7 A.U.M. per acre)
- Labor - Skilled labor \$2.00 per hour; common labor \$1.65 per hour

Operation	Hours Per Acre	Cash and Labor Cost Per Acre				Total
		Labor	Fuel and Repairs	Materials Kind and Quantity	Cost	
Cultural Costs						
Fertilize 2 times	.6	1.20	.66	60 lbs. N. @ .13 & 100 lbs. P ₂ O ₅ @ .11	18.80	\$20.66
Irrigate 7 times	3.5	5.78	2.00	Power to pump	8.00	15.78
Clip 2 times	1.0	2.00	1.25			3.25
Drag	.3	.60	.32			.92
TOTAL CULTURAL COSTS		\$9.58	\$4.23		\$26.80	\$40.61
Harvest Costs						
Mow	1.0	2.00	1.25			3.25
Rake	1.0	2.00	1.20			3.20
Bale	.5	1.00	1.50	Twine	1.20	3.70
Haul (2 tons)				Contract 12¢/bale (25 bales per ton)	6.00	6.00
TOTAL HARVEST COSTS		\$5.00	\$3.95		\$7.20	\$16.15
Cash overhead						
Misc. Office, etc.					1.85	1.85
Taxes - \$280 x 25% x rate of 8					5.60	5.60
TOTAL CASH OVERHEAD					\$7.45	\$7.45
TOTAL CASH COST		\$14.58	\$8.18		\$41.45	\$64.21
INVESTMENT		Per Acre	Life (Yrs.)	Annual Cost		
				Depreciation	Interest	
Land		\$280	---	---	\$16.80	
Fence		15	12	\$ 1.25	.45	
Irrigation well & pump		90	20	4.50	2.70	
Sprinkler pipe		60	15	4.00	1.80	
Equipment		48	10	4.80	1.44	
Stand		67	5	13.40	2.01	
Total		\$560		\$27.95	\$25.20	\$53.15
TOTAL COST PER ACRE						\$117.36
Cost of Hay						
Credit 7 A.U.M. pasture @ \$5.00 per A.U.M. = \$35.00						
Net cost of 2 tons hay (\$117.36 - 35.00)						\$ 82.36
Net cost of hay per ton						41.18
Cost of Pasture						
Credit 2 tons hay @ \$25.00 = \$50.00						
Net cost of 7 A.U.M. of pasture (117.36 - 50.00)						67.36
Net cost of pasture per A.U.M.						9.62