

Testing a Combination of Enterprises for a 70-Acre Farm,  
Kern County Conditions, Standard Yields.

An Illustration of a Use of the Standard Costs.

By Arthur Shultis, January 1937.

	Farm- stead	Dairy 25 cows	Alfalfa	Irrig- ated pasture	Cotton	Potato	Total farm
See Standard Costs, page	--	53	30	41	37	42	--
Needs					Goals		
Alfalfa, tons		125 →	21 A		20 A	15 A	
Pasture, head mo.		162.5 →		13.5A	Not over 1/2 farm		
LAND, Trial assumption	1 A	1 A	21 A	13.5A	20 A	13.5A	70 A
Yield or production per cow or per acre	Food house	290 lb. m.f.	6 tons hay	12 hd. mo.	700 L. 1300 S.	160 sacks	
Assumed price		\$ 0.45	\$ 10.00	\$ 2.50	\$ 0.10L	\$ 0.80	
Dairy, plus manure & stock inc.		19.50	a ton	hd. mo.	1.00S	sack	
Income per unit, dollars per cow or per acre	F. 150 H. 360	130.50 19.50			70.00 13.00		
	510	150.00	60.00	30.00	83.00	160.00	
Less, cash & deprec. cost	\$200	\$126.00	\$ 46.06	\$ 20.48	\$ 70.23*	\$145.48	
Capital & mat. income per cow or per acre	310	24.00	13.94	9.52	12.77	14.52	
Less, managerial allowance	60	5.00	3.00	1.00	4.00	5.00	
Capital income	250	19.00	10.94	8.52	8.77	9.52	
Less, interest, eqt., etc.			1.85	1.75	1.38	2.55	
Capital income, land only, per acre			9.09	6.77	7.39	6.97	68 A. cropl.
Value per acre to earn 5%			\$182.00	\$135.00	\$148.00	\$139.00	\$ 154
Total capital income - land, facil., & stock	\$250	\$475	\$230	\$115	\$175	\$129	\$1374
Value to earn 5%	5000	9500	4600	2300	3500	2580	27480
Total capital & mgt. income	310	600	293	129	255	196	1783
Value operator's labor	(All labor included in deducted expenses) 2000 hr.						600
Total farm income for working operator out of debt							2383
With farm divided, no farmstead							
Capital & mgt. income	\$1022				\$451		
Operator's labor	600				500		
Farm income	Dairy farm 35.5A \$1622			Cash crops 33.5A \$951			
Man labor required per unit, hours	100	100	54	14	154	125	
Total hours	100	2500	1134	189	3080	1688	8691
Horse labor per unit, hours	20		50	4	26	18	
Total hours	20		1050	54	520	243	1887
Tractor work, 12=db.hp. per unit, hours			(every 3rd yr. 147)	(every 10th yr. 94)	4.4	5.5	Av.
Total hours					88	74	221
Truck work per unit, hours	10	1			1.1	3	Av.
Total hours	10	25	10	2	22	41	110

\*Cash and depreciation costs in standard - \$80.23. Adjusted downward \$10.00 for picking at \$1.00 per cwt. seed cotton in place of \$1.50.

Conclusions: This combination looks satisfactory for a 70-acre farm at current prices and costs. It would pay to keep horses and a small tractor, but the use of the family car and trailer and the hiring of heavy hauling would be cheaper than owning a truck.