

SAMPLE COSTS TO PRODUCE GRAIN SORGHUM

CROP.....=	SORGHUM	GROSS INCOME/ACRE....=	204.00
YIELD/ACRE IN TONS..=	3	TOTAL CASH COSTS/ACRE=	332.10
MARKET VALUE/TON....=	68.00	NET LOSS/ACRE.....=	-128.10

EXPENSES

TYPE OF COST	COST/A	COST/A	COST/A	YOUR
CULTURAL COSTS: FUEL AND LABOR	FUEL	LABOR	TOTAL	COST/A
STUBBLE CHOP	.28	1.42	1.70	_____
DISC 2X	1.08	1.66	2.74	_____
PLOW	1.00	1.25	2.25	_____
DISC 2X	1.08	1.66	2.74	_____
PRE-PLANT NITROGEN /ROLLER	.70	1.00	1.70	_____
FLOAT/RINGROLLER	.55	.55	1.10	_____
PLANT SEED	.80	2.00	2.80	_____
CULTIVATE 2X	.70	1.00	1.70	_____
EMPLOYEE PICKUPS	3.14		3.14	_____
DRAIN MAINTENANCE		2.50	2.50	_____
RECLAMATION FEES			15.00	_____
	-----	-----	-----	_____
TOTAL	9.33	13.04	37.37	_____

CHEMICAL AND SEED COSTS	COST/A	COST/A	COST/A	
	MATERIAL	APPLIC.	TOTAL	
SEED @ 18 LBS/A, @ .70/LB	12.60		12.60	_____
NITROGEN @ 150 LBS/ACRE, @ .19/LB	28.50		28.50	_____
ATRAZINE + OIL, AIR (1.5 LBS + 1 GAL/A)	10.13	5.50	15.63	_____
STARTER FERTILIZER 6-20-20	16.00		16.00	_____
	-----	-----	-----	_____
TOTAL	67.23	5.50	72.73	_____

HARVEST				
COMBINE			1.00	_____
HAULING (\$4/TON)			12.00	_____
			-----	_____
		TOTAL:	13.00	_____

LABOR COSTS	COST/A	COST/A
IRRIGATE 3X-5X	16.00	_____
MECHANIC	10.00	_____
HARVEST LABOR (1 MAN)	3.00	_____
OVERTIME	2.21	_____
	-----	_____
TOTAL:	31.21	_____

DEBT SERVICE		
INTEREST ON LOAN @ 13%	35.00	_____
INTEREST ON EQUIPMENT	4.50	_____
	-----	_____
TOTAL:	39.50	_____

CASH OVERHEAD		
SHARE RENT (15% OF GROSS INCOME)	30.60	_____
REPAIR/MAINTENANCE	54.25	_____
MANAGEMENT SALARY & BENEFITS	21.73	_____
EMPLOYEE BENEFITS (30% OF LABOR COSTS)	13.28	_____
OFFICE MANAGEMENT	10.86	_____
TAXES ON EQUIPMENT	2.57	_____
INSURANCE	5.00	_____
	-----	_____
TOTAL:	138.29	_____

*****TOTAL CASH EXPENSES PER ACRE*****	332.10	_____
--	--------	-------

NON-CASH COSTS		
INTEREST ON BUILDINGS	10.67	_____
BUILDING DEPRECIATION	4.44	_____
EQUIPMENT DEPRECIATION	37.50	_____
	-----	_____
TOTAL:	52.61	_____

*****TOTAL COSTS PER ACRE FOR SORGHUM*****	384.71	_____
--	--------	-------

## 1986 SAMPLE COST TO PRODUCE GRAIN SORGHUM

**SOIL REQUIREMENTS** - Sorghum grows well on highly productive organic or mineral soils and deeper upland soils.

**PLANTING DATES** - Main season is May 10 to June 15; double crop between June 15 and July 15. Soil temperature at planting depth should be over 65F. Poor pollination can occur when night time temperatures fall below 40F.

**HARVEST DATES** - September 15 to December 15.

**VARIETIES** - Check with your seed representative or local UC Farm Advisor for current recommendations for your area.

**SEEDING RATES** - Full season, 15 to 18 lbs/ac. Early maturing varieties planted late require 8-25 lbs/ac.

**FERTILIZER** - Organic soils: 30-45 lbs P205/acre. For mineral soils, use starter with N, P, and K. If soil is very P deficient, use 100 to 150 lbs N preplant plus 30 to 45 lbs P205/acre.

**IRRIGATION** - 1.5 to 2 acre feet of water is needed. On organic soils sub-irrigate. On mineral soils sprinkle, flood or furrow irrigate. Three to five irrigations needed.

**WEED CONTROL** - Cultivate 2 to 4 times. 2,4-D may be used for broadleaf weeds. Atrazine + oil can be applied early post-emergence for both water grass and broadleaf weed control.

**INSECT CONTROL** - Greenbug can be a severe problem, especially when sorghum is young. Control is not as essential once plants head out. Some varieties have greenbug resistance.

**DISEASE CONTROL** - Many varieties are resistant to head smut. To avoid root rot and lodging, prevent moisture stress, especially in salt/alkaline areas. Plant varieties which are best adapted to your particular area.