

COST & RETURNS SUMMARY FOR BLACK-EYED BEANS
 COSTS AND RETURNS FOR BLACK-EYED BEANS BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
 YIELD: 20 CWT PER ACRE

Beans #185 ✓

BE-VN-81

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
GROSS RECEIPTS FROM PRODUCTION:					
BLACK-EYED BEANS	CWT.	24.000	20.000	480.00	
TOTAL RECEIPTS:				480.00	
VARIABLE COSTS:					
PREHARVEST:					
BLACK-EYE SEED	LBS.	0.320	35.000	11.20	
IRRIG DIST WATER	ACIN	0.580	30.000	17.40	
PESTICIDE	APLC	10.200	2.000	20.40	
PESTICIDE APP	APLC	4.000	2.000	8.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			11.70	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			4.16	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.07	
MACHINERY LABOR	HOUR	6.000	2.251	13.51	
IRRIGATION LABOR	HOUR	5.000	5.000	25.00	
INTEREST ON OPERATING CAP.	DOL.	0.14000	33.224	4.45	
TOTAL PREHARVEST COSTS:				115.88	
PREHARVEST COST PER CWT.				5.7941	
HARVEST:					
CUSTOM WINROW	APLC	22.000	3.000	66.00	
CUSTOM HARVEST	ACRE	45.000	1.000	45.00	
CUSTOM HAULING	CWT.	0.380	22.000	8.36	
WARE HOUSING	CWT.	3.250	22.000	71.50	
INTEREST ON OPERATING CAP.	DOL.	0.14000	12.833	1.80	
TOTAL HARVEST COSTS:				192.66	
HARVEST COST PER CWT.				9.6328	
TOTAL VARIABLE COSTS:				308.54	
VARIABLE COST PER CWT.				15.4269	
INCOME ABOVE VARIABLE COSTS:					
INCOME PER CWT.				171.46	
OVERHEAD:					
PERSONAL PROPERTY TAXES:				6.94	
REAL PROPERTY TAXES:				22.50	
MISC. OFFICE & BOOKKEEPING (6.00% OF TOTAL VARIABLE COSTS)				18.51	
TOTAL OVERHEAD:				47.95	
OVERHEAD COST PER CWT.				2.3974	
TOTAL CASH COSTS:					
TOTAL CASH COST PER CWT.				356.49	
17.8244					
INCOME ABOVE ALL CASH COSTS:					
INCOME PER CWT.				123.51	
6.1756					
OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			16.48	
BUILDINGS	ACRE			12.73	
TOTAL DEPRECIATION:				29.21	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.14000	171.204	23.97	
BUILDINGS		0.10670	273.817	29.22	
LAND		0.10670	2000.000	213.40	
TOTAL INTEREST CHARGE:				266.58	
TOTAL FIXED COSTS:				295.79	
FIXED COST PER CWT.				14.7897	
TOTAL OF ABOVE COSTS:					
TOTAL COST PER CWT.				652.28	
32.6141					
NET RETURNS:					
NET RETURNS PER CWT.				-172.28	
-8.6141					

BASED ON 80 ACRES DOUBLE CROPPED BEANS OF 160 ACRE FARM

IRRIGATION: 30 ACIN

OWNERSHIP BASIS

DATE PRINTED: 02/08/81

HARVEST MONTH: 10

UPDATED 02/08/81
 BUDGET RECORD NUMBER 185

UC Cooperative Extension

980 default data

CASH FLOW & INVESTMENT SUMMARY FOR BLACK-EYED BEANS

BUDGET RECORD NUMBER 185

COSTS AND RETURNS FOR BLACK EYE BEANS BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
 YIELD: 20 CMT PER ACRE

CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TO RECEIPTS	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	480.00	0.00	0.00	480.00
OPERATING EXPENSES														
BLACK-EYE SEED	\$/AC	0.00	0.00	0.00	0.00	0.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	11.20
IRRIG DIST WATER	\$/AC	0.00	0.00	0.00	0.00	3.48	3.48	3.48	3.48	3.48	0.00	0.00	0.00	17.40
PESTICIDE	\$/AC	0.00	0.00	0.00	0.00	0.00	10.20	10.20	0.00	0.00	0.00	0.00	0.00	20.40
PESTICIDE APP	\$/AC	0.00	0.00	0.00	0.00	0.00	4.00	4.00	0.00	0.00	0.00	0.00	0.00	8.00
CUSTOM WINROW	\$/AC	0.00	0.00	0.00	0.00	0.00	22.00	22.00	0.00	0.00	22.00	0.00	0.00	66.00
CUSTOM HARVEST	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	45.00
CUSTOM HAULING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.36	0.00	0.00	8.36
WARE HOUSING	\$/AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.50	0.00	0.00	71.50
MACHINE LABOR COST	\$/AC	0.00	0.00	0.00	0.13	4.17	6.44	2.37	0.13	0.13	0.13	0.00	0.00	13.51
INTEREST ON OPER. CAP.	\$/AC	0.00	0.00	0.00	0.02	1.09	3.14	1.69	0.20	0.10	0.00	0.00	0.00	6.24
TRACTOR COST	\$/AC	0.00	0.00	0.00	0.00	4.63	5.21	1.85	0.00	0.00	0.00	0.00	0.00	11.70
EQUIPMENT COST	\$/AC	0.00	0.00	0.00	0.12	1.84	1.37	0.46	0.12	0.12	0.12	0.00	0.00	4.16
BLDG OPER. COST	\$/AC	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.07
IRRIG LABOR COST	\$/AC	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00	5.00	0.00	0.00	0.00	25.00
TOTAL EXPENSES	\$/AC	0.00	0.00	0.00	0.28	20.59	72.39	51.42	9.30	9.20	147.12	0.00	0.00	308.54

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.00	0.00	0.00	0.02	0.70	1.07	0.40	0.02	0.02	0.02	0.00	0.00	2.25
IRRIGATION LABOR	HR/AC	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	5.00
IRRIG. WATER APPLIED	ACIN	0.00	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	30.00

MACHINERY FIXED AND VARIABLE COSTS PER ACRE

MACHINE	CODE	SIZE	PURCHASE PRICE	YEARS OWNED	ANN HOURS USED	FIXED COST PER ACRE			VARIABLE COST PER ACRE				HRS PER ACRE	
						DEPR.	INTER.	TAX & INS	TOTAL	FUEL	LUBE	REPAIRS		TOTAL
TRACTOR 75 HP	4	75.0	17400.	20.	300.	4.00	7.24	2.06	13.30	5.46	0.82	2.33	8.61	1.580
TRACTOR 120 HP	7	120.0	36000.	20.	300.	1.71	3.10	0.88	5.70	1.81	0.27	1.00	3.08	0.327
PI 1/2 T	14	0.5	9000.	8.	500.	0.22	0.20	0.05	0.47	0.61	0.09	0.16	0.86	0.127
CUL TATOR 4 ROW	52	10.0	2640.	15.	56.	1.76	2.24	0.66	4.65	0.00	0.01	0.66	0.67	0.618
DISC-OFFSET HDY	63	21.0	11160.	15.	30.	6.67	8.49	2.49	17.66	0.00	0.03	1.53	1.56	0.298
LISTER 4 ROW	82	10.0	1440.	15.	75.	0.30	0.38	0.11	0.79	0.00	0.00	0.16	0.17	0.259
PLANTER 4ROW	108	10.0	2700.	15.	50.	1.82	2.32	0.68	4.82	0.00	0.02	0.89	0.91	0.560
FURROW IRIG SYS*	132	2.0	0.	10.	5000.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.000
STORAGE SHED	8		13163.	35.		4.23	9.66	1.65	15.53	0.00		0.02	0.02	
FUELTANK 550 GAL	18		234.	30.		0.04	0.25	0.03	0.32	0.00		0.00	0.00	
STORAGE SHED	8		13163.	35.		4.23	9.66	1.65	15.53	0.00		0.02	0.02	
STORAGE SHED	8		13163.	35.		4.23	9.66	1.65	15.53	0.00		0.02	0.02	

MACHINERY & EQUIPMENT INVESTMENT & COSTS PER ACRE 1501. 29.21 53.18 11.90 94.30 7.88 1.25 6.80 15.93
 TOTAL INVESTMENT 120062.

BASED ON 80 ACRES DOUBLE CROPPED BEANS OF 160 ACRE FARM
 FURROW IRRIGATION: 30 ACIN
 LANDOWNERSHIP BASIS
 DATE PRINTED: 02/08/81

UPDATED 02/08/81

UC Cooperative Extension

FUEL USE SUMMARY FOR BUDGET RECORD NUMBER 185
 COSTS AND RETURNS FOR BLACK EYE BEANS BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
 YIELD: 20 CWT PER ACRE

FUEL USED IN GALLONS PER HOUR

TRACTOR 75 HP	3.600
TRACTOR 120 HP	5.760
PICKUP 1/2 T	4.000

FUEL ALLOCATED TO OPERATIONS IN GALLONS PER ACRE COVERED

MACHINE	GALLONS	POWER UNIT
PICKUP 1/2 T	0.073	
DISC OFFSET HDTY	0.943	TRACTOR 120 HP
LISTER 4 ROW	1.026	TRACTOR 75 HP
PLANTER 4ROW	2.216	TRACTOR 75 HP
CULTIVATOR 4 ROW	1.224	TRACTOR 75 HP

FUEL ALLOCATED TO OPERATIONS FOR THE BUDGET UNIT

	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	FUEL TYPE
DISC OFFSET HDTY	0.000	0.000	0.000	0.000	1.886	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.886	DIESEL
LISTER 4 ROW	0.000	0.000	0.000	0.000	1.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.026	DIESEL
PLANTER 4ROW	0.000	0.000	0.000	0.000	0.000	2.216	0.000	0.000	0.000	0.000	0.000	0.000	2.216	DIESEL
CULTIVATOR 4 ROW	0.000	0.000	0.000	0.000	0.000	1.224	1.224	0.000	0.000	0.000	0.000	0.000	2.447	DIESEL
PICKUP 1/2 T	0.000	0.000	0.000	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.000	0.000	0.509	GAS
TOTALS	0.000	0.000	0.000	0.073	2.984	3.513	1.296	0.073	0.073	0.073	0.000	0.000	8.084	

GALLONS FUEL BY TYPE

0.51 GAS
 0.00 LP
 7.58 DIESEL
 0.00 N. GAS
 0.00 KWHR

FUEL TYPES
 1=GAS
 2=L.P.
 3=DIESEL
 4=N. GAS
 5=ELEC.

BASED ON 80 ACRES DOUBLE CROPPED BEANS OF 160 ACRE FARM
 FURROW IRRIGATION: 30 ACIN
 LANDOWNERSHIP BASIS
 DATE PRINTED: 02/08/81

UPDATED 02/08/81

UC Cooperative Extension

MACHINERY OPERATIONS SUMMARY
 COSTS AND RETURNS FOR BLACK EYE BEANS
 MERCED AND MADERA COUNTIES 1981
 YIELD: 20 CWT PER ACRE

BUDGET RECORD NUMBER 185
 BY FARM ADVISORS: BILL WEIR
 RON VARGAS

DESCRIPTION	ITEM NO.	DATE	TIMES OVER	LABOR HOUR S	MACHINE HOURS	FUEL, OIL, LUB., PER ACRE	FIXED REPAIR COSTS PER ACRE
PICKUP 1/2 T		14 APR	1.00	0.022	0.018	0.12	0.07
DISC OFFSET HDY	7,	63 MAY	2.00	0.360	0.298	4.64	23.36
LISTER 4 ROW	4,	82 MAY	1.00	0.313	0.259	1.72	3.19
PICKUP 1/2 T		14 MAY	1.00	0.022	0.018	0.12	0.07
PLANTER 4ROW	4,108	JUNE	1.00	0.677	0.560	4.26	10.00
CULTIVATOR 4 ROW	4,	52 JUNE	1.00	0.374	0.309	2.19	5.18
PICKUP 1/2 T		14 JUNE	1.00	0.022	0.018	0.12	0.07
CULTIVATOR 4 ROW	4,	52 JULY	1.00	0.374	0.309	2.19	5.18
PICKUP 1/2 T		14 JULY	1.00	0.022	0.018	0.12	0.07
PICKUP 1/2 T		14 AUG	1.00	0.022	0.018	0.12	0.07
PICKUP 1/2 T		14 SEPT	1.00	0.022	0.018	0.12	0.07
PICKUP 1/2 T		14 OCT	1.00	0.022	0.018	0.12	0.07

TOTALS

2.251 1.862 15.86 47.38

BASED ON 80 ACRES DOUBLE CROPPED BEANS OF 160 ACRE FARM

FURROW IRRIGATION: 3D ACIN

LANDOWNERSHIP BASIS

DATE PRINTED: 02/08/81

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UC Cooperative Extension

RANGING ANALYSIS FOR BUDGET RECORD NUMBER 185
 COSTS AND RETURNS FOR BLACK EYED BEANS BY FARM ADVISORS: BILL WEIR
 MERCED AND MADERA COUNTIES 1981 RON VARGAS
 YIELD: 20 CWT PER ACRE

INCOME ABOVE VARIABLE COSTS

WHEN THE PRICE OF BLACK-EYED BEANS RANGES FROM 21.60 TO 26.40
 AND THE QUANTITY OF BLACK-EYED BEANS RANGES FROM 16.00 TO 24.00

		PRICE OF BLACK-EYED BEANS				
		21.60	22.80	24.00	25.20	26.40

QUANTITY OF BLACK-EYED	16.00 *	37.06	56.26	75.46	94.66	113.86
	*					
	18.00 *	80.26	101.86	123.46	145.06	166.66
	*					
	20.00 *	123.46	147.46	171.46	195.46	219.46
*						
22.00 *	166.66	193.06	219.46	245.86	272.26	
*						
24.00 *	209.86	238.66	267.46	296.26	325.06	
*						

INCOME ABOVE ALL CASH COSTS

WHEN THE PRICE OF BLACK-EYED BEANS RANGES FROM 21.60 TO 26.40
 AND THE QUANTITY OF BLACK-EYED BEANS RANGES FROM 16.00 TO 24.00

		PRICE OF BLACK-EYED BEANS				
		21.60	22.80	24.00	25.20	26.40

QUANTITY OF BLACK-EYED	16.00 *	-10.89	8.31	27.51	46.71	65.91
	*					
	18.00 *	32.31	53.91	75.51	97.11	118.71
	*					
	20.00 *	75.51	99.51	123.51	147.51	171.51
*						
22.00 *	118.71	145.11	171.51	197.91	224.31	
*						
24.00 *	161.91	190.71	219.51	248.31	277.11	
*						

INCOME ABOVE ALL COSTS

WHEN THE PRICE OF BLACK-EYED BEANS RANGES FROM 21.60 TO 26.40
 AND THE QUANTITY OF BLACK-EYED BEANS RANGES FROM 16.00 TO 24.00

		PRICE OF BLACK-EYED BEANS				
		21.60	22.80	24.00	25.20	26.40

QUANTITY OF BLACK-EYED	16.00 *	-306.68	-287.48	-268.28	-249.08	-229.88
	*					
	18.00 *	-263.48	-241.88	-220.28	-198.68	-177.08
	*					
	20.00 *	-220.28	-196.28	-172.28	-148.28	-124.28
*						
22.00 *	-177.08	-150.68	-124.28	-97.88	-71.48	
*						
24.00 *	-133.88	-105.08	-76.28	-47.48	-18.68	
*						

STORED DATA PAGE (NO CALCULATIONS) FOR BLACK-EYED BEANS

BUDGET RECORD NUMBER 185

COSTS AND RETURNS FOR BLACK EYE BEANS
MERCED AND MADERA COUNTIES 1981
YIELD: 20 CWT PER ACRE

BY FARM ADVISORS: BILL WEIR
RON VARGAS

COSTS AND RETURNS WILL BE
DIVIDED BY 20.0 CWT.
TO OBTAIN PER CWT. 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																		
1 BLACK-EYED BEANS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	24.000	0.000	16.	14.	2.	0.
OPERATING INPUTS																		
													PRICE	SHARE	UNIT	ITEM	TYPE	HARV
6 BLACK-EYE SEED	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.320	0.000	12.	114.	3.	0.
7 IRRIG DIST WATER	0.00	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	0.580	0.000	11.	323.	3.	0.
8 PESTICIDE	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	10.200	0.000	34.	249.	3.	0.
9 PESTICIDE APP	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	4.000	0.000	34.	357.	3.	0.
11 CUSTOM WINROW	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00	22.000	0.000	34.	307.	3.	9.
12 CUSTOM HARVEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	45.000	0.000	7.	304.	3.	9.
14 CUSTOM HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	0.380	0.000	16.	306.	3.	9.
16 WARE HOUSING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	3.250	0.000	16.	431.	3.	9.

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												N	CREW	POWER	MACH	TYPE	HARV
													LABOR	UNIT	CODE			
26 DISC OFFSET HDTY	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	7.	63.	4.	0.
27 LISTER 4 ROW	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	4.	82.	4.	0.
28 PLANTER 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	4.	108.	4.	0.
29 CULTIVATOR 4 ROW	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	4.	52.	4.	0.
31 PICKUP 1/2 T	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	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	6.00	6.00	6.00	6.00	6.00	0.00	0.00	0.00	1.00	1.00	0.	132.	0.	
50 NO. TIMES IRRIG	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00						

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 STORAGE SHED	1.000	0.500	0.	8.	5.	0.
52 TANK 550 GAL	1.000	0.500	0.	18.	5.	0.
53 BAGE SHED	1.000	0.500	0.	8.	5.	0.
54 STORAGE SHED	1.000	0.500	0.	8.	5.	0.

COLUMNS -->	2	3	4	5	6	7	8
LAND REQUIREMENTS	CHARGE		NUMBER	VALUE OR	TAXES	PERENNIAL CROPS	
	METHOD		OF ACRES	COST/ACRE	PER ACRE	YRS LIFE	COST/ACRE
71	1.		80.00	2000.00	22.50	0.0	0.00

ENTERPRISE 2-14 REGION/COUNTY 24 UNASSIGNED 00000 MACH COMP 1 IRRIG SYST 6 UNASSIGNED 0 EQUIP SET 1 HARVEST MONTH 10

BASED ON 80 ACRES DOUBLE CROPPED BEANS OF 160 ACRE FARM
FURROW IRRIGATION: 30 ACIN
LANDOWNERSHIP BASIS

MACHINERY COMPLEMENT 1
EQUIPMENT COMPLEMENT 1

UPDATED 02/08/81

GENERAL NAME CHANGE->249 PESTICIDE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE
	RW CL	VALUE	RW CL	VALUE	RW CL
PARAMETER CHGS-->10.		6.000000	12.	5.000000	11.
				4.900000	28.
				0.060000	