

TITLE: TURF GRASS SAMPLE COSTS
KERN CO
1978 PRODUCTION COSTS

#281

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST PER ACRE	YOUR COST
1. GROSS RECEIPTS FROM PRODUCTION:					
TURF	SQFT	0.160	43040.000	\$ 6886.40	
TOTAL RECEIPTS:				\$ 6886.40	
2. VARIABLE COSTS:					
PREHARVEST:					
11-8-4 FERT	LBS.	0.090	800.000	72.00	
BLUE GRASS SEED	LBS.	2.000	100.000	200.00	
16-20 FERT	LBS.	0.090	2800.000	252.00	
HERBICIDE	APLC	25.000	3.000	75.00	
SOFTWOODS	ACIN	2.500	48.000	120.00	
ROW & SHEEP	ACRE	5.000	32.000	160.00	
TRACTOR (FUEL-LUBE-REPAIRS)	ACRE			15.79	
EQUIPMENT (FUEL-LUBE-REPAIRS)	ACRE			5.85	
BUILDINGS (FUEL-LUBE-REPAIRS)	ACRE			0.83	
IRRIGATION (LUBE-REPAIRS)	ACRE			11.09	
IRRIGATION WATER APPLIED	ACIN	0.231	48.000		
MACHINERY LABOR	HOUR	5.450	4.784	26.07	
IRRIGATION LABOR	HOUR	4.550	156.000	709.80	
INTEREST ON OPERATING CAP.	DOL.	0.119	727.093	85.07	
TOTAL PREHARVEST COSTS:				\$ 1733.51	
PREHARVEST COST PER SQFT				\$ 0.04	
HARVEST:					
TURF HARVESTER	SQFT	0.015	43040.000	645.60	
INTEREST ON OPERATING CAP.	DOL.	0.119	295.900	35.21	
TOTAL HARVEST COSTS:				\$ 680.81	
HARVEST COST PER SQFT				\$ 0.02	
TOTAL VARIABLE COSTS:				\$ 2414.32	
VARIABLE COST PER SQFT				\$ 0.06	
3. INCOME ABOVE VARIABLE COSTS:					
INCOME PER SQFT				\$ 4472.08	
				\$ 0.10	
4. CASH OVERHEAD:					
				\$	
REAL PROPERTY TAXES:					
				21.00	
MISC. OFFICE & BOOKKEEPING (2.50% OF TOTAL VARIABLE COSTS)					
				60.36	
TOTAL CASH OVERHEAD:				\$ 81.36	
5. INCOME ABOVE ALL CASH COSTS:					
INCOME PER SQFT				\$ 4390.72	
				\$ 0.10	
6. OWNERSHIP COSTS:					
DEPRECIATION:					
MACHINERY & EQUIPMENT	ACRE			63.27	
IRRIGATION SYSTEM	ACRE			10.92	
BUILDINGS	ACRE			4.68	
TOTAL DEPRECIATION:				\$ 78.86	
CAPITAL & INTEREST:					
MACHINERY & EQUIPMENT		0.119	689.775	82.08	
IRRIGATION SYSTEM		0.119	100.387	11.95	
BUILDINGS		0.119	92.194	10.97	
LAND		0.100	1000.000	100.00	
TOTAL INTEREST CHARGE:				\$ 205.00	
TOTAL FIXED COSTS:				\$ 283.86	
FIXED COST PER SQFT				0.01	
7. TOTAL OF ABOVE COSTS:					
TOTAL COST PER SQFT				\$ 2779.54	
				0.06	
8. NET RETURNS:					
NET RETURNS PER SQFT				\$ 4106.86	
				0.10	

LANDOWNER BASIS YIELD 43560 SQ. FT. PER ACRE
500 ACRES SPRINKLER IRRIGATED
BY HARRY ACHARIRE, USDA-SCS

UC Cooperative Extension
UPDATED 05/22/79

TURF GRASS SAMPLE COSTS
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COSTS AND RETURNS WILL BE
 DIVIDED BY 43040.0 SQFT
 TO OBTAIN PER SQFT COSTS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	SHARE	UNIT	ITEM	TYPE	XXXX								
	NUMBER OF UNITS																									
1 TURF	0.00	0.00	*****										0.00	0.00	0.160	0.000	21.	4.	2.	0.						
OPERATING INPUTS													RATE/UNIT		PRICE		SHARE		UNIT		ITEM		TYPE		HARV	
6 11-8-4 FERT	0.00	80.00	160.00	160.00	80.00	0.00	0.00	80.00	160.00	80.00	0.00	0.00	0.090	0.000	12.	206.	3.	0.								
7 BLUE GRASS SEED	0.00	0.00	10.00	20.00	20.00	10.00	0.00	10.00	20.00	10.00	0.00	0.00	2.000	0.000	12.	104.	3.	0.								
8 16-20 FERT	0.00	200.00	200.00	200.00	200.00	400.00	400.00	400.00	400.00	400.00	0.00	0.00	0.090	0.000	12.	207.	3.	0.								
9 HERBICIDE	0.00	0.00	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.00	0.00	25.000	0.000	34.	250.	3.	0.								
10 SOFTWOODS	0.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00	0.00	0.00	2.500	0.000	11.	8.	3.	0.								
11 MOW & SWEEP	0.00	2.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00	0.00	0.00	5.000	0.000	7.	297.	3.	0.								
13 TURF HARVESTOR	0.00	0.00	*****										0.00	0.00	0.015	0.000	21.	304.	3.	9.						

MACHINERY REQUIREMENTS	IMPLEMENTS = TIMES OVER, TRUCKS = # MILES/ACRE, TRACTORS = HRS/ACRE												# CREW		POWER		MACH		TYPE		HARV	
													LABOR	UNIT	CODE	CODE	CODE	CODE	CODE	CODE		
26 DISC-OFFSET	0.00	0.40	0.80	0.80	0.40	0.00	0.40	0.80	0.40	0.00	0.00	0.00	0.000	0.000	10.	78.	4.	0.				
27 CHISEL	0.00	0.20	0.40	0.40	0.20	0.00	0.20	0.40	0.20	0.00	0.00	0.00	0.000	0.000	10.	68.	4.	0.				
28 DISC-OFFSET	0.00	0.20	0.40	0.40	0.20	0.00	0.10	0.40	0.30	0.00	0.00	0.00	0.000	0.000	10.	78.	4.	0.				
29 LANDPLANE 12X45	0.00	0.60	1.20	1.20	0.60	0.00	0.00	0.30	1.20	0.90	0.00	0.00	0.000	0.000	10.	108.	4.	0.				
30 BRILLION SEEDER	0.00	0.10	0.20	0.20	0.10	0.00	0.00	0.10	0.20	0.10	0.00	0.00	0.000	0.000	3.	138.	4.	0.				
													SHARE	SHARE	POWER	SYSA						
													FIXED %	VAR %	UNIT	CODE	LIFT					
49 ACIN IRRIG WATER	0.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00	0.00	0.00	0.00	0.00	0.	34.	0.					
50 NO. TIMES IRRIG	0.00	4.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	4.00	0.00	0.00										

EQUIPMENT REQUIREMENTS	NUMBER	PROPORT	XXX	EQUIP	TYPE	XXXX
	UNITS	OF COST		CODE		
51 FARM SHOP	1.000	0.700	0.	3.	5.	0.
52 SHOP TOOLS&EQUIP	1.000	0.700	0.	5.	5.	0.
53 STORAGE SHED	1.000	0.700	0.	9.	5.	0.
54 BURIED TK 2000 6	1.000	0.700	0.	22.	5.	0.

LAND REQUIREMENTS	CHARGE	NUMBER	VALUE OR	TAXES	PERENNIAL CROPS
	METHOD	OF ACRES	COST/ACRE	PER ACRE	YRS LIFE COST/ACRE
71	1.	300.00	1000.00	21.00	0.0

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MACHINERY COMPLEMENT 7
 EQUIPMENT COMPLEMENT 1

UPDATED 05/22/79

LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE	LINE CHANGE
GENERAL NAME CHANGE->304 TURF HARVESTOR	297 MOW & SWEEP	206 11-8-4 FERT	104 BLUE GRASS SEED	207 16-20 FERT
MACHNRY NAME CHANGE->138 BRILLION SEEDER				

RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE	RW CL	VALUE
MACH COMP CHGS-->*** 2.	8.000000	*** 9.	300.000000								

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CATEGORY	UNIT	MONTHLY SUMMARY OF RECEIPTS AND EXPENSES												TOTAL	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
TOTAL RECEIPTS	\$/AC	0.00	0.00	860.80	860.80	860.80	860.80	860.80	860.80	860.80	860.80	860.80	0.00	0.00	6886.40
OPERATING EXPENSES															
11-8-4 FERT	\$/AC	0.00	7.20	14.40	14.40	7.20	0.00	0.00	7.20	14.40	7.20	0.00	0.00	72.00	
BLUE GRASS SEED	\$/AC	0.00	0.00	20.00	40.00	40.00	20.00	0.00	20.00	40.00	20.00	0.00	0.00	200.00	
16-20 FERT	\$/AC	0.00	18.00	18.00	18.00	18.00	36.00	36.00	36.00	36.00	36.00	0.00	0.00	252.00	
HERBICIDE	\$/AC	0.00	0.00	7.50	10.00	10.00	10.00	10.00	10.00	10.00	7.50	0.00	0.00	75.00	
SOFTWOODS	\$/AC	0.00	7.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00	7.50	0.00	0.00	120.00	
MOW & SWEEP	\$/AC	0.00	10.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	10.00	0.00	0.00	160.00	
TURF HARVESTER	\$/AC	0.00	0.00	80.70	80.70	80.70	80.70	80.70	80.70	80.70	80.70	0.00	0.00	645.60	
MACHINE LABOR COST	\$/AC	0.00	2.61	5.21	5.21	2.61	0.00	1.21	3.51	4.00	1.70	0.00	0.00	26.07	
INTEREST ON OPER. CAP.	\$/AC	0.00	3.24	8.02	5.76	2.76	0.01	27.88	28.35	27.89	16.39	0.00	0.00	120.28	
TRACTOR COST	\$/AC	0.00	1.58	3.16	3.16	1.58	0.00	0.76	2.15	2.39	1.01	0.00	0.00	15.79	
EQUIPMENT COST	\$/AC	0.00	0.59	1.17	1.17	0.59	0.00	0.27	0.89	0.90	0.28	0.00	0.00	5.85	
BLDG OPER. COST	\$/AC	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.00	0.00	0.83	
IRRIGATION COST	\$/AC	0.00	0.69	1.39	1.39	1.39	1.39	1.39	1.39	1.39	0.69	0.00	0.00	11.09	
IRRIG LABOR COST	\$/AC	0.00	36.40	91.00	91.00	91.00	91.00	91.00	91.00	91.00	36.40	0.00	0.00	709.80	
TOTAL EXPENSES	\$/AC	0.00	87.90	285.64	305.88	290.91	274.18	284.31	316.29	343.76	225.46	0.00	0.00	2414.32	

MONTHLY IRRIGATION AND LABOR REQUIREMENTS														
MACHINE LABOR	HR/AC	0.00	0.48	0.96	0.96	0.48	0.00	0.22	0.64	0.73	0.31	0.00	0.00	4.78
IRRIGATION LABOR	HR/AC	0.00	8.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	8.00	0.00	0.00	156.00
IRRIG. WATER APPLIED	ACIN	0.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00	0.00	0.00	48.00

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 35 HP	3	35.0	8300.	15.	300.	0.65	0.86	0.12	1.63	0.66	0.10	0.27	1.02	0.436
CRAWLER 65 HP	10	65.0	53000.	15.	200.	55.66	73.70	10.37	139.73	7.96	1.19	3.61	14.77	3.912
HANDMOVE SPRINK*	54	2.0	32290.	10.	5000.	10.92	11.95	1.55	24.42	0.00	0.22	10.88	11.09	24.000
CHISEL	68	12.0	3000.	15.	40.	2.44	2.64	0.40	5.48	0.00	0.01	0.56	0.57	0.539
DISC-OFFSET	78	12.0	3300.	15.	100.	1.04	1.12	0.17	2.33	0.00	0.02	0.85	0.87	0.521
LANDPLANE 12X45	108	12.0	1200.	15.	100.	1.05	1.14	0.17	2.37	0.00	0.00	0.21	0.21	1.455
BRILLION SEEDER	138	8.0	4500.	15.	300.	0.36	0.39	0.06	0.81	0.00	0.05	2.43	2.48	0.397
FARM SHOP	3		37800.	35.		1.94	4.95	0.76	7.65	0.76		0.03	0.79	
SHOP TOOLS&EQUIP	5		11375.	15.		1.06	1.76	0.23	3.05	0.00		0.03	0.03	
STORAGE SHED	9		31500.	35.		1.62	4.12	0.63	6.37	0.00		0.01	0.01	
BURIED TK 2000 G	22		840.	20.		0.05	0.14	0.02	0.21	0.00		0.00	0.00	

TOTAL INVESTMENT OR COST	187105.	76.79	102.76	14.48	194.03	9.38	1.59	20.87	31.84
MACHINERY & EQUIPMENT	374.								
INVESTMENT PER ACRE									

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