

SAMPLE COSTS TO PRODUCE IRRIGATED PASTURE

Operation	Hours Per Acre	Cash and labor cost per acre				Total
		Labor	Fuel & Repairs	Kind & Quantity	Cost	
Cultural costs						
Irrigate 18X	1.8	4.05	-	Water 1/2 M.I. plus 4.00 p/a water tax & standby 4.00 4 acre ft. @ 2.00	18.25 8.00 8.00	38.30
Clipping	0.5	1.38	.60	contract applic. 400# 0-20-0		1.98
Fertilizer					12.00	12.00
TOTAL CULTURAL COSTS:	2.3	5.43	.60		46.25	52.28
Harvest costs						
Mow & Rake (contract)				1/4 acreage @ 3.50		.87
Bale (contract)				1 1/2 ton/acre @ 4.50 per ton		1.68
Haul (contract)						.50
TOTAL HARVEST COSTS:						3.05
Cash overhead						
Misc., office, etc.						3.32
Taxes			450 ÷ 4 = 112.50	asses. value X 8.50 tax rate		9.56
TOTAL CASH OVERHEAD:						12.88
TOTAL CASH COST:						68.21
MANAGEMENT COST:				5% x 12 A.U.M. @ \$6.00		3.60
Annual Cost						
INVESTMENT	Per Acre	Depreciation		Interest 7%		
Land	300.00				21.00	
Irrigation system (see Table I)	478.00	29.38			16.74	
Fences	35.00	1.40			1.23	
Equipment	45.00	4.50			1.58	
Stand establish- ment	30.00	4.29			1.05	
TOTAL:	888.00	39.57			41.60	81.17
TOTAL COST PER ACRE						
Cost per AUM	@ 12 AUM yield		\$12.74 per AUM			\$152.98

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TABLE I
INVESTMENT FOR SOLID SET UNDERGROUND IRRIGATION SYSTEM
USING PLASTIC PIPE
 (Based on 40, 80, 160 acre installations)

Item	Cost	Annual Use (Acres)	Cost Per Acre	Life (Yrs.)	Depreciation	Interest
<u>40 Acres</u>						
Booster Pump 15 HP, 300 GPM	\$ 2,600	40	\$ 65.00	15	\$ 4.33	\$ 2.28
Plastic pipe - mains, laterals, risers & fittings	9,000	"	225.00	20	11.25	7.88
Sprinkler heads 704 @ 5.00	3,520	"	88.00	10	8.80	3.08
Installation 18" ditches	4,000	"	100.00	20	5.00	3.50
Total	19,120		478.00		29.38	16.74
<u>80 Acres</u>						
Booster Pump 30 HP, 600 GPM	4,100	80	51.25	15	3.42	1.79
Plastic pipe - mains, laterals, risers & fittings	16,000	"	200.00	20	10.00	7.00
Sprinkler heads 1408 @ 5.00	7,040	"	88.00	10	8.80	3.08
Installation	8,000	"	100.00	20	5.00	3.50
Total	35,140		439.25		27.22	15.37
<u>160 Acres</u>						
Booster Pump 60 HP, 1200 GPM	6,000	160	37.50	15	2.50	1.31
Plastic pipe - mains, etc.	32,000	"	200.00	20	10.00	7.00
Sprinkler heads 2816 @ 5.00	14,080	"	88.00	10	8.80	3.08
Installation	16,000	"	100.00	20	5.00	3.50
Total	\$68,080		\$425.50		\$26.30	\$14.89

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