

2017 CENTER PIVOT IRRIGATION INVESTMENT AND OWNERSHIP COST

160 ACRE NON TOWABLE ELECTRIC DRIVE, LOW PRESSURE, CENTER PIVOT  
 134 ACRES ACTUALLY IRRIGATED

OWNERSHIP COST:	LIFE	INTEREST RATE	COST FACTOR	INVESTMENT	ANNUAL COST	% CONTRIBUTION By Tenant	CONTRIBUTIONS TO THE IRRIGATION COSTS			
							TENANT		LANDOWNER	
ITEMS:							Investment	Annual Ownership	Investment	Annual Ownership
PIVOT MACHINE, ELECTRIC GENERATOR & CONCRETE PAD	25	5	0.0650	\$88,000	\$5,720.00	67.0%	\$58,960.00	\$3,832.40	\$29,040.00	\$1,887.60
POWER UNIT	15	5	0.0917	\$22,000	\$2,016.67	100.0%	\$22,000.00	\$2,016.67	\$0.00	\$0.00
12" WELL 100' DEEP	25	5	0.0650	\$7,800	\$507.00	0.0%	\$0.00	\$0.00	\$7,800.00	\$507.00
12" 2 STAGE TURBINE PUMP	25	5	0.0650	\$9,500	\$617.50	0.0%	\$0.00	\$0.00	\$9,500.00	\$617.50
FUEL TANK	25	5	0.0650	\$1,100	\$71.50	67.0%	\$737.00	\$47.91	\$363.00	\$23.60
TOTAL INVESTMENT				\$128,400	\$8,932.67		\$81,697.00	\$5,896.97	\$46,703.00	\$3,035.70
TAXES & INSURANCE (TOTAL INVESTMENT @ 1%)					\$1,284.00	67.0%		\$860.28		\$423.72
LOSS OF INCOME DUE TO ACREAGE OUT OF PRODUCTION					\$100.00	67.0%		\$67.00		\$33.00
ANNUAL OWNERSHIP COST CORN					\$10,316.67			\$6,824.25		\$3,492.42
OPERATING COST:		UNITS OR ACRES	COST PER UNIT	TOTAL COST	PER ACRE IRR.					
FUEL AND OIL (ACRE INCHES)		12.00	\$2.00	\$3,216.00	\$24.00	67.0%		\$16.08		\$7.92
REPAIR & MAINTENANCE		134	\$10.00	\$1,340.00	\$10.00	67.0%		\$6.70		\$3.30
LABOR		134	\$4.00	\$536.00	\$4.00	100.0%		\$4.00		\$0.00
SEED (ADDITIONAL)		134	\$22.00	\$2,948.00	\$22.00	100.0%		\$22.00		\$0.00
FERTILIZER (ADDITIONAL)		134	\$30.00	\$4,020.00	\$30.00	67.0%		\$20.10		\$9.90
DRYING & HAULING (ADDITIONAL)		134	\$14.00	\$1,876.00	\$14.00	67.0%		\$9.38		\$4.62
TOTAL OPERATING COST				\$13,936.00	\$104.00			\$78.26		\$25.74
SUMMARY										
					COST/ACRE			COST/ACRE		COST/ACRE
INVESTMENT PER ACRE IRRIGATED					\$958.21			\$609.68		\$348.53
OWNERSHIP COST PER ACRE IRRIGATED					\$76.99			\$50.93		\$26.06
OPERATING COST PER ACRE IRRIGATED					\$104.00			\$78.26		\$25.74
TOTAL COST PER ACRE IRRIGATED					\$180.99	CALCUALTED SHARE RATE----->		\$129.19 71.4%		\$51.80 28.6%