

SUBJECT DATA & ANALYSIS

Irrigation Water Rights: The Subject includes the following list of irrigation water rights:

RIGHT #	PRIORITY DATE	SOURCE	STATUS	AMOUNT			IRRIGATION SEASON QUALITY/EXTENT
				CUBIC FEET PER SECOND	MINERS INCHES	GALLONS PER MINUTE	
21-2166	05/07/1951	Ground Water	Decreed	3.76	188.0	1,692.0	Good all irrigation season
21-13083	05/07/1959	Ground Water	Decreed	3.73	186.5	1,678.5	Good all irrigation season
21-13141	04/24/1962	Ground Water	Decreed	0.02	1.0	9.0	Good all irrigation season
21-13143	04/24/1956	Ground Water	Decreed	0.01	0.5	4.5	Good all irrigation season
TOTALS				7.52	376.0	3,384.0	Good and adequate for entire season

All of the Subject's irrigation water rights shown above are considered good rights. The test for adequacy when cropland is sprinkler irrigated is gallons per minute per irrigated acres. This test is calculated as follows: Subject's 3,384.0 total gallons per minute divided by its total irrigated acres as shown in this report of 364.06 acres equals 9.29 gallons per minute per irrigated acres. In the farm market area of the Subject 7.0 gallons per minute per irrigated acre under pivot irrigation systems like the Subject is considered adequate. Therefore, the Subject's irrigation water rights are considered very adequate for it where it is primarily pivot irrigated.

Irrigation Water Distribution Systems: The Subject 's Sprinkler Irrigated Cropland includes the following list of equipment:

IRRIGATION EQUIPMENT LIST								
ITEM	MANUFACTURER	SERIAL NUMBER	SIZE	LENGTH	CONDITION	% GOOD	COST NEW \$	VALUE \$
Center Pivot	Zimatic Aims	none found	5"	1,400'	fair	50%	82,031	41,016
Turbine Pump	Wintroath	none found	-	100'	good	65%	9,968	6,479
Electric Motor	US Motor	R3251874M	75 HP	-	good	65%	7,950	5,168
Center Pivot	Lindsay Growsmart	none found	5"	1,370'	good	65%	80,273	52,178
Turbine Pump	Wintroath	none found	-	100'	good	65%	14,124	9,181
Electric Motor	General Electric	HFJ812104	125 HP	-	good	65%	11,200	7,280
Center Pivot	Valley	none found	5"	506'	very good	85%	29,648	25,201
Center Pivot	Valley	none found	5"	479'	very good	85%	28,066	23,856
Center Pivot	Valley	none found	5"	990'	fair	40%	58,008	23,203
Center Pivot	Reinke	0501-2114-65G	5"	928'	very good	85%	54,375	46,219
Main Line	buried PVC	(none)	10", 8", 6"	8,900'	good	65%	53,478	34,761
Hand Lines	aluminum portable	(none)	4"	2,560'	fair	50%	14,400	7,200
Total contributory Value								281,742

The Subject includes a total of 364.06 acres of sprinkler irrigated cropland. Only 27.27 acres are hand line irrigated while the remaining is pivot irrigated by the six center pivots listed above. The Subject's combination of sprinkler irrigation systems with pivots predominant is considered very adequate for its shape and design, and grows good crops.