

## Soybean Production Per Inch of Water

'98, '99, '00, '01, '02, '03 AgriPartners

County	Year	Irrigation Method	WATER - INCHES		PET	PRODUCTION		
			Irrigation	Rain/Irrig/Soil	% of	Bu/Ac	Bu/Ac - In Irrigation	Bu/Ac - In Rain/Irrig/Soil
Ochiltree	'98	CP	12.50	28.02	92	72	5.76	2.57
Ochiltree	'02	RW	19.59	30.09	91	72	3.68	2.39
Roberts	'01	CP	15.97	30.02	94	70	4.38	2.33
Ochiltree	'99	CP	13.90	27.12	91	69	4.96	2.54
Ochiltree	'01	CP	18.81	30.37	95	68	3.62	2.24
Ochiltree	'02	CP	19.50	27.90	84	68	3.49	2.44
Roberts/Hemphill	'03	CP	13.77	27.21	93	68	4.94	2.50
Sherman	'03	CP	13.00	21.56	79	66	5.08	3.06
Carson	'01	CP	6.00	14.38	51	65	10.83	4.52
Ochiltree	'02	CP	29.04	35.80	124	65	2.24	1.82
Roberts/Hemphill	'02	CP	13.58	23.50	71	65	4.79	2.77
Ochiltree	'01	CP	16.63	27.06	84	63	3.79	2.33
Gray	'98	CP	16.75	25.16	76	61	3.64	2.42
Hemphill	'00	CP	16.64	36.39	119	61	3.67	1.68
Ochiltree	'02	CP	28.69	35.63	106	61	2.13	1.71
Oldham/Deaf Smith	'02	CP	8.00	20.12	57	61	7.63	3.03
Ochiltree	'00	CP	17.96	31.45	103	60	3.34	1.91
Ochiltree	'02	CP	22.50	32.60	97	60	2.67	1.84
Ochiltree	'03	CP	15.10	29.78	101	60	3.97	2.01
Ochiltree	'03	CP	15.75	31.14	106	60	3.81	1.93
Ochiltree	'03	CP	15.16	31.23	114	58	3.83	1.86
Gray	'99	RW	14.00	27.13	111	55	3.93	2.03
Sherman	'99	CP	4.60	11.97	44	55	11.96	4.59
Ochiltree	'99	CP	13.50	24.36	89	54	4.00	2.22
Ochiltree	'02	CP	16.65	27.05	94	54	3.24	2.00
Carson	'99	RW	12.50	31.60	118	51	4.08	1.61
Ochiltree	'03	RW	18.00	37.65	128	51	2.83	1.35
Moore	'98	CP	13.40	19.86	67	49	3.66	2.47
Gray	'02	RW	13.23	28.36	87	48	3.63	1.69
Hemphill	'99	RW	17.91	27.71	93	48	2.68	1.73
Ochiltree	'00	CP	14.47	28.76	93	48	3.32	1.67
Gray	'02	RW	10.26	25.39	78	47	4.58	1.85
Hemphill	'99	CP	11.89	23.16	87	44	3.70	1.90
Gray	'00	CP	14.65	23.88	94	44	3.00	1.84
Roberts	'00	CP	10.00	30.20	125	44	4.40	1.46
Moore	'00	CP	12.08	19.32	63	42	3.48	2.17
Gray	'99	CP	12.00	22.26	85	40	3.33	1.80
Gray	'00	RW	18.20	30.86	120	40	2.17	1.28
Gray	'03	RW	16.30	33.80	113	40	2.45	1.18
Gray	'03	RW	18.00	35.70	120	39	2.17	1.09
Roberts	'03	CP	6.27	20.56	75	36	5.74	1.75
Gray	'00	RW	13.60	27.02	105	35	2.57	1.30
Oldham	'01	RW	8.00	18.50	58	35	4.37	1.89
Briscoe	'99	CP	8.05	14.90	97	33	4.10	2.21

			WATER - INCHES		PET	PRODUCTION		
County	Year	Irrigation Method	Irrigation	Rain/Irrig/Soil	% of	Bu/Ac	Bu/Ac - In Irrigation	Bu/Ac - In Rain/Irrig/Soil
Roberts	'00	CP	11.70	29.06	144	21	1.79	0.72
Average		45	14.62	27.01	94	53	3.66	1.98
Average Center Pivot		33	14.50	26.11	91	56	3.86	2.14
Average Row Water		12	14.97	29.48	102	47	3.12	1.58

CP - Center Pivot      RW - Row Water

Prepared by: Leon New, Professor/Extension Agricultural Engineer - Irrigation, Texas A&M Research and Extension Center, Amarillo, Texas.