

#### **Item 4 – Agricultural Irrigation Estimates**

David Stratta will present the 2015 agricultural irrigation estimated usage for adoption. These numbers are used by the Texas Water Development Board. One of the uses includes inclusion in the State Water Plan.

Attached are the estimated usage by county.

**Brazos County Annual Irrigation Water Use Calculation Chart**

*blue = entry fields*

**2015**

Crop	Acreage	Water Use % Categories									Total Inches Used	Total Acre-Feet
		Low			Medium			High				
		Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used		
corn	2,165	16	60%	20,784	18.4	40%	15,934	20.8	0%	0	36,718	3,060
cotton	7,083	17	55%	66,226	19.15	40%	54,256	21.3	5%	7,543	128,025	10,669
milo	830	4.3	50%	1,785	11.2	40%	3,718	18.1	10%	1,502	7,005	584
wheat, oats	210	4	90%	756	6.835	10%	144	9.67	0%	0	900	75
soybeans	480	13	45%	2,808	17.15	50%	4,116	21.3	5%	511	7,435	620
rice	0	46	0%	0	46	0%	0	46	0%	0	0	0
pasture, forage, hay	840	7	48%	2,822	10.8	50%	4,536	14.6	2%	245	7,604	634
vegetables/orchards	231	14	0%	0	14	100%	3,234	14	0%	0	3,234	270
<i>Totals:</i>	11,839			95,181			85,938			9,802	190,921	15,910

**EXPLANATORY FOOTNOTES:**

1. The District will obtain rainfall records from National Weather Service Weather Forecast Office.

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
2015	5.14	0.86	6.51	6.21	13.82	5.26	1.27	0	1.15	9.73	5.16	6.62

2. The District will obtain crop moisture index information from the National Oceanic and Atmospheric Administration (NOAA).

3. These figures are based on a survey conducted by The Brazos Valley Groundwater Conservation District in response to the figures reported by the Texas Water Development Board whose figures were based solely on the Farm Service Administration figures and generalized estimates of water usage. These figures do not constitute the official records of the Brazos Valley Groundwater Conservation District nor records kept in ordinary course of business, but represents our best estimates based on local information.

**Robertson County Annual Irrigation Water Use Calculation Chart**

*blue = entry fields*

**2015**

Crop	Acreage	Water Use % Categories									Total Inches Used	Total Acre-Feet
		Low			Medium			High				
		Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used		
corn	5,687	16	70%	63,694	21.55	10%	12,255	27.1	20%	30,824	106,773	8,898
cotton	8,359	17	50%	71,052	19.65	40%	65,702	22.3	10%	18,641	155,394	12,949
milo	1,257	12	45%	6,788	20.65	50%	12,979	29.3	5%	1,842	21,608	1,801
wheat, oats	850	6	90%	4,590	8.1	10%	689	10.2	0%	0	5,279	440
soybeans	6,128	13	30%	23,899	21.15	40%	51,843	29.3	30%	53,865	129,607	10,801
rice	0	46	0%	0	61.9	0%	0	77.8	0%	0	0	0
pasture, forage, hay	3,350	18	45%	27,135	33.8	50%	56,615	49.6	5%	8,308	92,058	7,672
vegetables/orchards	460	14	0%	0	28	100%	12,880	44	0%	0	12,880	1,073
<i>Totals:</i>	26,091			197,158			212,962			113,479	523,599	43,633

**EXPLANATORY FOOTNOTES:**

1. The District will obtain rainfall records from National Weather Service Weather Forecast Office.

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
2015	5.7	1.02	5.71	4.84	11.83	3.78	0.43	0	0.79	9.87	4.41	5.57

2. The District will obtain crop moisture index information from the National Oceanic and Atmospheric Administration (NOAA).

3. These figures are based on a survey conducted by The Brazos Valley Groundwater Conservation District in response to the figures reported by the Texas Water Development Board whose figures were based solely on the Farm Service Administration figures and generalized estimates of water usage. These figures do not constitute the official records of the Brazos Valley Groundwater Conservation District nor records kept in ordinary course of business, but represents our best estimates based on local information.