

Alberta Government Library
Great West Life Site



01630 40799377



IRRIGATION BRANCH

ALBERTA IRRIGATION DISTRICTS

ACREAGES, WATER RATES

AND

CROP SUMMARIES

1994

ACAG

HD

1741

A4

HD

1741

A4

A42

1994

c.1

Alberta
AGRICULTURE

APR 29 1996

ALBERTA IRRIGATION DISTRICTS

ACREAGES, WATER RATES

AND

CROP SUMMARIES

1994

ALBERTA AGRICULTURE / PWSS LIBRARY
7000 - 113 STREET, EDMONTON
ALBERTA, CANADA T6H 5T6

Alberta

AGRICULTURE, FOOD AND
RURAL DEVELOPMENT
Irrigation Branch
Planning Section
Lethbridge, Alberta

ALBERTA AGRICULTURE / PWSS LIBRARY
7000 - 113 STREET, EDMONTON
ALBERTA, CANADA T6H 5T6

May 1995

For more information please contact Mr. Zafar Iqbal or Mr. Brian Taylor, Planning Section, Irrigation Branch, Alberta Agriculture, Food and Rural Development, Agriculture Centre, Lethbridge, Alberta T1J 4C7. Telephone (403) 381-5170.

INTRODUCTION

This report is prepared by Alberta Agriculture, Food and Rural Development; Irrigation Branch; Planning Section. The pie charts present graphically, crops that are grown on assessed acres within the thirteen irrigation districts of southern Alberta. A final pie chart entitled "Alberta Irrigation Districts" presents the total crops grown on assessed acres in southern Alberta.

Table II, Crops Grown on Assessed Acres Within the Irrigation Districts, is a summary of the data from Table I. The titles listed below are the titles used in the pie charts, along with a list of the columns that were added together from Table I to get the values as shown in Table II.

<u>Crops</u>	<u>Columns</u>
1. Cereals	a to i
2. Forages	j to v
3. Oil Seeds	w to ab
4. Specialty Crops	ac to bj

LIST OF FIGURES

	<u>Page No.</u>
Table I - Irrigated Crops Grown on Assessed Acres Within The Irrigation Districts - 1994	3
Table II - Irrigated Crops Grown on Assessed Acres Within The Irrigation Districts - 1994	5
Assessed Acres Under Irrigation Within Irrigation Districts - 1970 to Present Date	6
Acres Actually Irrigated Within Irrigation Districts - 1911 to Present Date	7
Annual Water Rates - 1982 to Present Date	8

Pie Charts

1. Aetna, Leavitt, Mountain View and Ross Creek Irrigation Districts
2. St. Mary River Irrigation District
3. Bow River Irrigation District
4. Eastern Irrigation District
5. Lethbridge Northern Irrigation District
6. Magrath Irrigation District
7. Raymond Irrigation District
8. Taber Irrigation District
9. United Irrigation District
10. Western Irrigation District
11. Alberta Irrigation Districts

TABLE I – IRRIGATED CROPS GROWN ON ASSESSED ACRES WITHIN THE IRRIGATION DISTRICTS – 1994
ALBERTA AGRICULTURE, FOOD AND RURAL DEVELOPMENT – IRRIGATION BRANCH

DISTRICT	AID	BRID	EID	LID	LNID	MID	MVID	RID	RCID	SMRID – W	SMRID – E	TID	UID	WID	TOTALS
Assessed Acres	3,519	205,983	272,024	4,780	141,517	16,785	3,727	44,219	1,210	152,177	201,289	78,629	34,438	86,725	1,247,022
Acres Actually Irrigated	1,940	187,247	259,942	4,200	133,803	11,425	3,277	36,291	734	151,150	179,799	73,949	14,255	47,335	1,105,347
Soft Spring Wheat		55,601	17,596		11,612	865		142	80	21,893	47,142	14,731	3,295	7,240	180,137
Hard Spring Wheat		5,487	6,557		3,637	935		4,513		7,031	6,437		1,702		36,299
Winter Wheat		81	101		257	32				612			411		1,494
Durum		4,386	700		1,262	340		797		4,528	6,551	838			19,402
Oats		1,559	3,306		492			90		446	1,303	281	171		7,648
Rye		71	1,002							170	81				1,324
Triticale										20					20
Barley	667	19,008	30,987		28,942	5,079	450	13,914	30	32,705	10,026	11,267	8,314	24,751	186,140
Mixed Grain			489		510	1,070				90	242	930			3,331
Cereal Silage		1,848	9,565		38,742	603	55	3,999	34	13,060	4,004	206	258	5,398	77,772
Corn Silage		1,466	1,293						136	95	1,455	1,246			5,691
Hay Silage	124		8,594		1,625			320	170	431	693		66		12,023
Green Feed	97	516	3,778		3,930			133		278	265		245		9,242
Alfalfa Hay	1,826	35,818	87,115		20,664	3,502	1,184	9,975	630	17,782	39,515	17,127	5,998	31,902	274,663
Grass Hay	545	220	1,450		2,721		729			2,578	815		1,078		11,484
Brome Hay				549	1,057					441					2,047
Timothy Hay		1,394	931		880	80		300		3,260	625		149		7,619
Rye Grass					25										25
Milk Vetch			223												223
Sorghum			71												321
Millet										192		28			0
Tame Pasture	189	18,595	48,570		8,678	2,154	1,309	3,727	80	7,829	13,948	7,726	7,023	9,307	130,393
Canola	54	20,859	22,606		7,162	1,745		5,658	50	14,586	23,535	1,678	4,391	6,241	108,565
Mustard					119	68		210				55			452
Sunflower		80									909				989
Safflower											253				412
Flax		3,983	2,487		105					2,447	1,649	213			10,884
Hyola		1,337													1,337

TABLE I - IRRIGATED CROPS GROWN ON ASSESSED ACRES WITHIN THE IRRIGATION DISTRICTS - 1994(cont'.d)
ALBERTA AGRICULTURE, FOOD AND RURAL DEVELOPMENT - IRRIGATION BRANCH

DISTRICT	AID	BRID	EID	LID	LNID	MID	MVID	RID	RCID	SMRID-W	SMRID-E	TID	UID	WID	TOTALS
Alfalfa Seed		147	9,678		565					2					10,392
Grass Seed			205		70										275
Canola Seed			95		554										649
Orchard Grass Seed						35									35
Fleet Mead.Brome Seed						100									100
Barley Seed					19										19
Wheat Seed					20										20
Canary Seed					100			70			1,312				170
Kentucky Blue Grass															2,466
Corn Seed															0
Sugar Beets		7,785	649		4,156					10,284	5,797	7,791			36,462
Peas		6,107	2,573		361			70		3,093	529	692	40	767	14,232
Grain Corn (sweet)		120	315		1					789	3,527	2,692			7,444
Potatoes		5,635	3,329		334					1,842	6,855	5,085	40		23,120
Beans		7,731	860		93					1,375	18,670	5,566			34,295
Lentils			359		130					5	170	86			664
Carrots		246	325								75				732
Caraway			40												40
Cabbage			30												95
Nursery			211		67			10		646				310	1,244
Market Gardens		20	642		32			9		204	4	27	6	161	1,105
Lawn Turf			56		123					495	541			648	1,863
Mint											1,547				1,547
Minarda															0
Onions		17								11	289	2			30
Dill															289
Turnips		24	19												44
Pumpkins			40					1			90				160
Small Fruit			5												22
Feedlots	17														694
Yards and Gardens			604		694										1,754
Golf Course					722			81					347		174
Parks					134			40							342
Summer Fallow		5,842	4,568		580	177		160		1,702	2,405	269	904		16,607
TOTALS	3,519	205,983	272,024	4,780	141,517	16,785	3,727	44,219	1,210	152,177	201,289	78,629	34,438	86,725	1,247,022

TABLE II -- CROPS GROWN ON ASSESSED ACRES WITHIN THE IRRIGATION DISTRICTS -- 1994
 ALBERTA AGRICULTURE, FOOD AND RURAL DEVELOPMENT -- IRRIGATION BRANCH

IRRIGATION DISTRICTS																	
CROPS	AID	LID	MVID	RCID	Sub- total	SMRID West	SMRID East	SMRID Sub-total	BRID	EID	LNID	MID	RID	TID	UID	WID	DISTRICT TOTALS
CEREALS	667	0	450	110	1,227	67,435	71,782	139,217	86,193	60,738	46,712	8,321	19,456	28,047	13,893	31,991	435,795
FORAGES	2,781	4,780	3,277	1,050	11,888	45,946	61,350	107,296	59,857	161,590	78,322	6,339	18,454	26,333	14,817	46,607	531,503
OIL SEEDS	54	0	0	50	104	17,192	26,346	43,538	26,259	25,093	7,386	1,813	5,868	1,946	4,391	6,241	122,639
SPECIALTY CROPS	17	0	0	0	17	21,604	41,811	63,415	33,674	24,603	9,097	312	441	22,303	1,337	1,886	157,085
TOTAL ACRES	3,519	4,780	3,727	1,210	13,236	152,177	201,289	353,466	205,983	272,024	141,517	16,785	44,219	78,629	34,438	86,725	1,247,022

ASSESSED ACRES UNDER IRRIGATION WITHIN IRRIGATION DISTRICTS 1970 TO PRESENT DATE

YEAR	AETNA	BOW RIVER	EASTERN	LEAVITT	LETH NORTHERN	MAGRATH	MT VIEW	RAY-MOND	ROSS CREEK	ST MARY RIVER	TABER	UNITED WESTERN	TOTALS
1970	6,673	23,783	199,729	4,523	89,360	8,506	3,719	20,847	2,068	197,540	57,484	33,353	691,591
1971	6,548	24,071	200,459	4,343	89,883	8,105	3,719	20,349	2,068	199,572	59,172	33,353	695,591
1972	3,131	24,196	202,225	4,305	89,379	9,042	3,719	20,269	2,068	204,051	59,833	33,353	699,470
1973	3,081	26,756	205,481	4,305	98,206	9,182	3,719	20,647	2,068	216,136	61,692	33,353	728,545
1974	3,081	118,741	207,245	4,421	105,958	9,077	3,717	23,257	2,068	237,244	63,823	34,034	856,885
1975	3,081	131,764	212,982	4,430	108,106	8,871	3,720	26,920	2,068	252,019	62,692	33,358	895,322
1976	3,081	139,665	219,405	4,430	109,629	9,069	3,720	28,350	2,069	262,231	66,423	33,358	933,620
1977	3,081	147,795	224,967	4,430	111,735	9,480	3,720	31,626	1,310	274,301	68,178	33,617	962,798
1978	3,104	153,120	227,202	4,431	111,947	10,737	3,717	31,570	1,776	284,151	68,815	33,651	1,005,824
1979	3,104	150,160	227,254	4,477	111,924	10,797	3,710	31,524	1,776	287,329	69,828	33,546	1,009,954
1980	3,104	164,889	229,110	4,477	112,562	10,797	3,710	33,681	1,776	293,126	70,368	33,544	1,037,173
1981	3,096	174,641	230,553	4,457	113,845	10,963	3,710	35,385	1,776	299,548	70,819	33,417	1,061,733
1982	3,127	179,613	239,651	4,423	114,919	11,647	3,710	39,130	1,716	301,446	71,529	33,383	1,086,158
1983	2,916	181,174	244,099	4,440	116,745	12,357	3,710	39,148	1,776	313,728	72,623	33,448	1,107,644
1984	3,051	183,529	244,243	4,440	117,869	13,047	3,710	41,729	1,776	319,712	72,971	33,534	1,122,585
1985	3,399	185,034	246,658	4,460	118,883	14,218	3,710	44,990	1,319	328,063	73,063	33,854	1,141,896
1986	3,444	189,202	247,804	4,460	120,416	14,579	3,690	44,950	1,210	331,493	73,314	34,336	1,152,822
1987	3,444	190,263	249,372	4,479	121,494	14,885	3,690	44,407	1,210	334,285	73,654	34,450	1,161,038
1988	3,435	192,424	252,432	4,709	121,635	15,030	3,690	44,196	1,210	339,091	73,602	34,615	1,172,267
1989	3,500	194,977	256,353	4,729	121,909	15,569	3,700	44,144	1,210	342,451	74,898	34,818	1,184,500
1990	3,500	199,980	260,523	4,742	122,102	15,099	3,728	44,044	1,210	349,849	74,568	34,769	1,202,594
1991	3,527	201,070	263,889	4,762	122,338	16,665	3,728	44,305	1,210	350,108	77,740	34,667	1,212,141
1992	3,519	202,499	269,462	4,800	126,046	16,391	3,734	44,279	1,210	351,393	78,177	34,868	1,224,327
1993	3,519	204,466	270,008	4,780	138,095	16,775	3,737	44,229	1,210	353,039	78,412	34,772	1,240,495
1994	3,519	205,983	272,024	4,780	141,517	16,785	3,727	44,219	1,210	353,466	78,629	34,498	1,247,022

NOTE: BRID increased 92,000 acres in 1974 with the amalgamation of the BRID and the Bow River (Federal) project.

ANNUAL WATER RATES 1982 TO PRESENT DATE

YEAR	AETNA	AETNA PIPELINE SYSTEM*	BOW RIVER	EASTERN **	LEAVITT	LEAVITT PIPELINE SYSTEM*	LETH NORTHERN **	MAGRATH	MAGRATH SOUTH PIPELINE EXPANSION*	MT. VIEW	RAYMOND	ROSS CREEK	ST. MARY RIVER **	TABER	UNITED WESTERN	WESTERN
1982	\$2.50		\$6.50	\$6.50	\$5.00		\$12.00	\$6.00		\$3.00	\$6.25	\$3.00	\$12.00	\$10.75	\$3.25	\$6.30
1983	5.00		9.00	6.75	8.00		12.50	6.00		5.20	6.50	3.00	12.00	11.00	3.25	6.50
1984	6.00		10.00	7.00	8.00		12.50	6.00		5.20	6.50	3.00	12.00	11.00	3.25	6.75
1985	6.00		10.00	7.00	7.50		12.50	6.00	\$13.50	5.20	6.50	4.00	12.00	11.00	3.25	7.25
1986	6.00		10.00	7.25	7.50		12.50	6.00	13.50	5.20	6.50	6.00	13.00	11.00	3.25	7.47
1987	6.00		10.00	7.50	7.50	\$9.50	12.50	6.00	13.50	5.20	6.50	6.00	13.00	11.00	3.25	7.47
1988	7.00	\$9.00	10.00	7.50	8.00	10.00	12.50	6.00	13.50	5.20	6.50	6.00	13.00	12.00	3.25	7.70
1989	7.00	9.00	10.00	8.00	8.00	10.00	13.50	6.00	13.50	6.20	6.50	6.00	13.25	12.00	3.50	8.00
1990	8.00	10.00	10.00	8.50	8.00	10.00	13.50	6.00	13.50	6.20	6.50	6.00	14.00	12.00	3.75	11.00
1991	8.00	10.00	10.00	8.50	7.00	10.00	13.50	6.00	13.50	6.20	6.50	6.00	14.00	12.00	4.00	13.00
1992	8.00	10.00	11.00	8.50	7.00	10.00	14.00	6.00	13.50	6.20	6.50	6.00	14.00	12.00	4.25	13.50
1993	8.00	10.00	11.00	8.50	7.00	10.00	14.00	6.00	12.45	6.20	6.50	6.00	14.25	12.00	4.50	13.50
1994	8.00	10.00	12.00	8.50	7.00	10.00	14.00	6.50	10.50	6.20	7.00	6.00	15.25	12.00	4.50	14.75

*Includes regular plus additional rate per acre for pressure pipeline users.

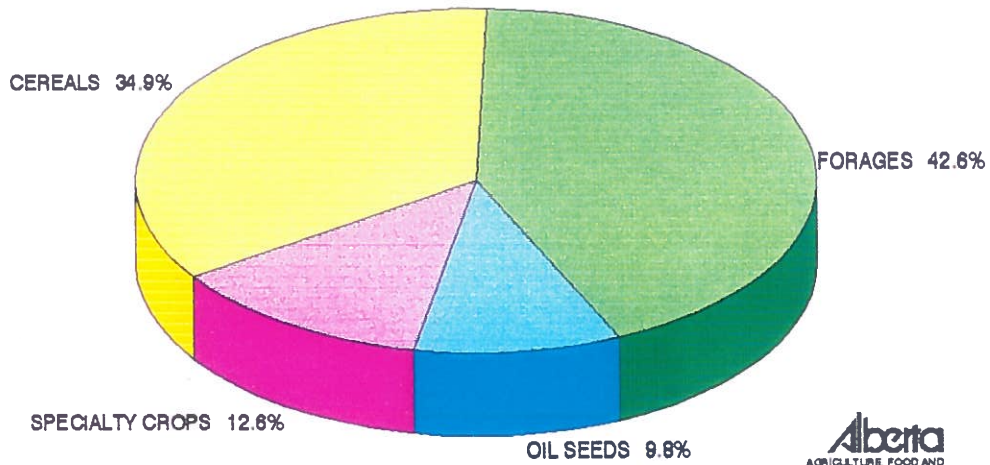
**District charges an additional pressure charge above this rate.

IRRIGATED CROPS - 1994

PIE CHARTS

IRRIGATED CROPS - 1994

Alberta Irrigation Districts



Alberta
 AGRICULTURE, FOOD AND
 RURAL DEVELOPMENT

Alberta Irrigation Districts

CROPS	CEREALS	FORAGES	OIL SEEDS	SPECIALTY CROPS	TOTAL ACRES
TOTALS	435,795	531,503	122,639	157,085	1,247,022