Saskatchewan Agriculture and Food

Crop Report

Published by Saskatchewan Agriculture and Food
ISSN 0701 7065

Report Number 16, July 17, 2006

Crop Report for July 16, 2006

The impact of the hot, dry weather has been felt across a significant portion of the province during the past week, according to Saskatchewan Agriculture and Food's weekly crop report.

Haying progress continued from last week. The first cut of the hay crop that has been baled or put into silage doubled from 31 per cent last week to 62 per cent this week. Yield estimates are considered to be average for the 2006 dryland brome/alfalfa hay crop.

According to provincial crop reporters, spring cereal crops are 63 per cent heading; flax crops are 65 per cent flowering; canola and mustard crops are 23 per cent podding; pulse crops are 51 per cent podding; and 62 per cent of fall cereal crops are at the dough stage. All crops are advancing ahead of normal. Reporters in the southern and western areas of the province indicated that heat stress has started to impact crop yields.

Over the past week, topsoil moisture conditions on crop, hay, and pasture land have deteriorated in the southern and western portions of the province. The northeastern grainbelt reported adequate topsoil moisture. There were very few reports of surplus topsoil moisture in the province. Fifty-four per cent of crop reporters showed adequate topsoil moisture, while 44 per cent rated topsoil moisture as short, and/or very short.

Hot, dry weather and insect damage were the major sources of crop damage. Other sources included flooding, insects, diseases, and gophers. There were several reports of spraying for wheat midge and other insects during the past week.

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1 Year Ago

31% of the first-cut hay crop had been baled or put into silage.

The first estimate of the 2005 hay yield indicated that dryland brome/alfalfa was expected to average 1.64 tons per acre.

Over 70% of the crops were in good to excellent condition.

Wind and hail were major sources of crop damage.

Agriculture and Agri-Food Canada | Agriculture et Agroalimentaire Canada

CANADA ~ SASKATCHEWAN Crop Insurance

Saskatchewan Crop Development
(per cent at each stage)

Cereals	**tillering**	**jointed**	**shot blade**	**heading**	**soft dough**	**firm dough**
5 yr. Avg. (98-02)	1	8	26	54	11	0
Jul 16/06	**1**	**4**	**23**	**63**	**9**	**0**
-southeast	1	3	18	62	16	0
-southwest	0	1	15	68	16	0
-east central	1	4	29	61	3	2
-west central	1	3	24	67	5	0
-northeast	1	7	25	61	5	0
-northwest	1	9	32	53	5	0

Flax	**emerge**	**vegetative**	**stem ext**	**flowering**	**boll**
5 yr. Avg. (98-02)	0	7	42	45	6
Jul 16/06	**0**	**2**	**23**	**65**	**10**
-southeast	0	2	20	67	11
-southwest	0	1	11	65	23
-east central	0	2	35	59	4
-west central	0	1	25	66	8
-northeast	0	1	20	76	3
-northwest	0	0	18	75	7

Canola & Mustard	**emerge**	**seedling**	**rosette**	**flowering**	**podding**
5 yr. Avg. (98-02)	0	1	15	66	17
Jul 16/06	**0**	**1**	**8**	**68**	**23**
-southeast	0	1	6	62	31
-southwest	0	0	1	27	72
-east central	0	1	10	75	14
-west central	0	0	5	63	32
-northeast	0	0	13	78	9
-northwest	0	1	5	68	26

Pulse crops	**emerge**	**vegetative**	**flowering**	**podding**
5 yr. Avg. (98-02)	0	12	59	29
Jul 16/06	**0**	**5**	**44**	**51**
-southeast	0	5	49	46
-southwest	0	2	23	75
-east central	1	4	59	36
-west central	0	7	54	39
-northeast	0	8	68	24
-northwest	0	9	52	39

Fall crops	**shot blade**	**heading**	**dough**	**ripe**
5 yr. Avg. (98-02)	1	22	66	11
Jul 16/06	**0**	**12**	**62**	**26**
-southeast	0	10	70	20
-southwest	0	0	48	52
-east central	0	22	75	3
-west central	4	26	61	9
-northeast	0	30	64	0
-northwest	0	40	60	0

South eastern Saskatchewan (Crop Districts 1, 2, & 3ase)

The south eastern region was generally hot and dry during the past week, which generated some storms, but no damage was reported. An average of 5 mm of precipitation was reported, ranging from an average low of 1 mm reported in Crop District (CD) 2b, to an average high of 31 mm reported in CD 2b. Heat and drought damage was widely reported in the area.

Spring cereal development in the southeast is 62% at the heading stage. Flax crops are 67% at the flowering stage. Canola and mustard crops are 93% at or beyond the flowering stage. Pulse crops are 95% at or beyond the flowering stage. Fall cereal crops are 70% at the dough stage.

Topsoil moisture conditions on cropland deteriorated this past week. Thirteen per cent of reporters rated conditions as adequate this week, compared with 53% last week. Conditions were also drier on hay and pasture land with 11% of reporters rating topsoil moisture as adequate, compared to 37% last week.

Along with the heat and lack of rainfall, other crop damage reported was disease and insect related. Evidence of fusarium and ascochyta blight was reported during the past week. Insect damage came from aphids, bertha armyworms, wheat midge, and grasshoppers. Spraying for these diseases and insects has been reported.

Haying operations made some progress in the southeast with 66% baled or silaged, and a further 18% lying in the swath. The hot and dry weather is helping to rapidly advance the hay operations. Quality is generally expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.7 tons per acre.

South western Saskatchewan (CDs 3asw, 3an, 3b, & 4)

The past week was sunny and hot in the southwest, with some hail storms. An average of 8 mm of precipitation was reported during the past week, ranging from an average low of 1 mm reported in CD 3asw, to an average high of 33 mm reported in CD 3an. Wind damage was reported across the region, with the Maple Creek area reporting the most damage. Localized hail damage was also reported across the region. Prairie grass fires started by lightning were reported around Val Marie. Many of the crops in the area are suffering the effects of the high daytime temperatures.

Spring cereal development in the southwest is 68% at the heading stage, which is the furthest advanced in the province. Flax crops are 65% at the flowering stage, on average the furthest advanced in the province. Canola and mustard crops are 99% at or beyond the flowering stage, also on average the furthest advanced in the province. Pulse crops are 98% at or beyond the flowering stage, on average the furthest advanced in the province. Fall cereal crops are 52% at the ripe stage, on average the furthest advanced in the province.

Topsoil moisture conditions on cropland deteriorated this past week. Eighteen per cent of reporters rated conditions as adequate this week, compared with 43% last week. The balance (82%) rate topsoil moisture conditions as short or very short. Conditions were also drier on hay and pasture land with 16% of reporters rating topsoil moisture as adequate, compared to 32% last week.

The insect damage reported was due to wheat midge and grasshoppers. Diseases noted included ascochyta blight. Damage from gophers was reported in CD 3asw, 3bs, 3bn, 4a, and 4b.

Haying operations are well underway in the southwest with 66% of the crop baled or put into silage, and a further 22% lying in the swath. Quality is expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.0 ton per acre, the lowest regional estimate in the province.

East central Saskatchewan (Crop Districts 5 & 6a)

The east central region was hot during the past week with thunderstorms in some areas. An average of 17 mm of precipitation was reported during the past week, ranging from an average low of 2 mm reported in CD 5a and 5b, to an

average high of 46 mm reported in CD 6a. Localized hail damage was reported in CD 5. Wind damage, including lodging, was reported in CDs 5b and 6a. Heat and/or drought stress was reported in localized areas across the region.

Spring cereal development in the east central region is 61% at the heading stage. Flax crops are 59% at the flowering stage, on average the least advanced in the province. Canola and mustard crops are 89% at or beyond the flowering stage. Pulse crops are 95% at or beyond the flowering stage. Fall cereal crops are 75% at the dough stage.

Topsoil moisture conditions on cropland generally improved, with 80% of reporters rating topsoil moisture as adequate, compared with 76% last week. Conditions improved slightly on hay and pasture land with 84% of reporters rating topsoil moisture as adequate, compared to 78% last week. Sixteen per cent of reporters rate hay and pasture topsoil moisture as short.

Insects damaging crops include aphids, bertha armyworms, sawfly, and wheat midge. The diseases reported this week include rust and disease in the flax. Gophers damaged crops in CD 6a.

Haying operations are going well, with 56% baled or silaged, and a further 27% cut. Quality is expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.9 tons per acre.

West central Saskatchewan (Crop Districts 6b & 7)

The west central region was generally hot and dry this past week, with some thunderstorms. An average of 12 mm of precipitation was reported, ranging from an average low of 1 mm reported in CD 7b, to an average high of 40 mm reported in CD 6b. Flooding damage was reported in CD 6b and lodging was reported in CD 7b. Drought and wind were common crop damage factors across the area.

Spring cereal development in the west central region is 67% at the heading stage. Flax crops are 66% at the flowering stage. Canola and mustard crops are 63% at the flowering stage. Pulse crops are 93% at or beyond the flowering stage. Fall cereal crops are 61% at the dough stage.

Topsoil moisture conditions on cropland deteriorated slightly, with 45% of reporters rating topsoil moisture as adequate, compared with 57% last week. Thirty-eight per cent of reporters rate crop land topsoil moisture as short. Conditions are similar on hay and pasture land are reported to be 54% adequate.

Crop damage by insects was from bertha armyworms, and diamondback moth larvae. Diseases noted were ascochyta blight.

Cutting and baling the 2006 hay crop is well underway with 66% baled or silaged, and a further 23% cut. Quality is generally expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.7 tons per acre.

North eastern Saskatchewan (Crop Districts 8 & 9ae)

The north eastern region had a hot week with some localized storms. An average of 20 mm of precipitation was reported during the past week, ranging from an average low of 9 mm reported in CD 8b, to an average high of 39 mm reported in CD 9ae. Hail and wind damage was reported, but not wide spread across the region.

Spring cereal development in the northeast is 61% at the heading stage. Flax crops are 76% at the flowering stage. Canola and mustard crops are 87% at or beyond the flowering stage, on average the least advanced in the province. Pulse crops are 92% at or beyond the flowering stage, on average the least advanced in the province. Fall cereal crops are 64% at the dough stage.

Topsoil moisture conditions on cropland, hay and pasture deteriorated slightly this past week, with 80% of reporters rating topsoil moisture as adequate, compared with 83% last week. Rain would be welcomed to fill out the crops.

Wheat midge was the predominate insect causing crop damage in CD 8a and 9ae.

Good haying progress was made with 54% of the 2006 crop baled or silaged, and a further 34%

lying in the swath. Quality is generally expected to be good. Reporters estimate that dry land brome/alfalfa will yield 1.9 tons per acre.

North western Saskatchewan (Crop Districts 9aw & 9b)

The north western region was generally warm with some thunderstorms during the past week. An average of 20 mm of precipitation was reported, ranging from an average low of 1 mm reported in CD 9b, to an average high of 64 mm reported in CD 9b. Wind damage, including lodging, and heat and drought damage was reported across the region. Localized hail damage and heat stress was reported in CD 9aw.

Spring cereal development in the northwest is 53% at the heading stage, on average the least advanced in the province. Flax crops are 75% at the flowering stage. Canola and mustard crops are 94% at the flowering stage. Pulse crops are 91% at or beyond the flowering stage. Fall cereal crops are 60% at the dough stage, on average the least advanced in the province.

Topsoil moisture conditions on cropland fell slightly from last week, with 46% of reporters rating topsoil moisture as adequate. Conditions changed slightly on hay and pasture land with 46% of reporters rating topsoil moisture as adequate, compared to 54% last week. The surplus area decreased from 4% to zero.

Bertha armyworms and flea beetles were the source of crop damage. There were no reports of crop disease.

Haying operations are well underway in the northwest with 61% of the crop baled or silaged and 26% lying in the swath. Quality is expected to be good. Reporters estimate that dry land brome/alfalfa will yield 1.8 tons per acre.

Weekly Rainfall Summary

(in millimeters)

for the week ending July 15, 2006

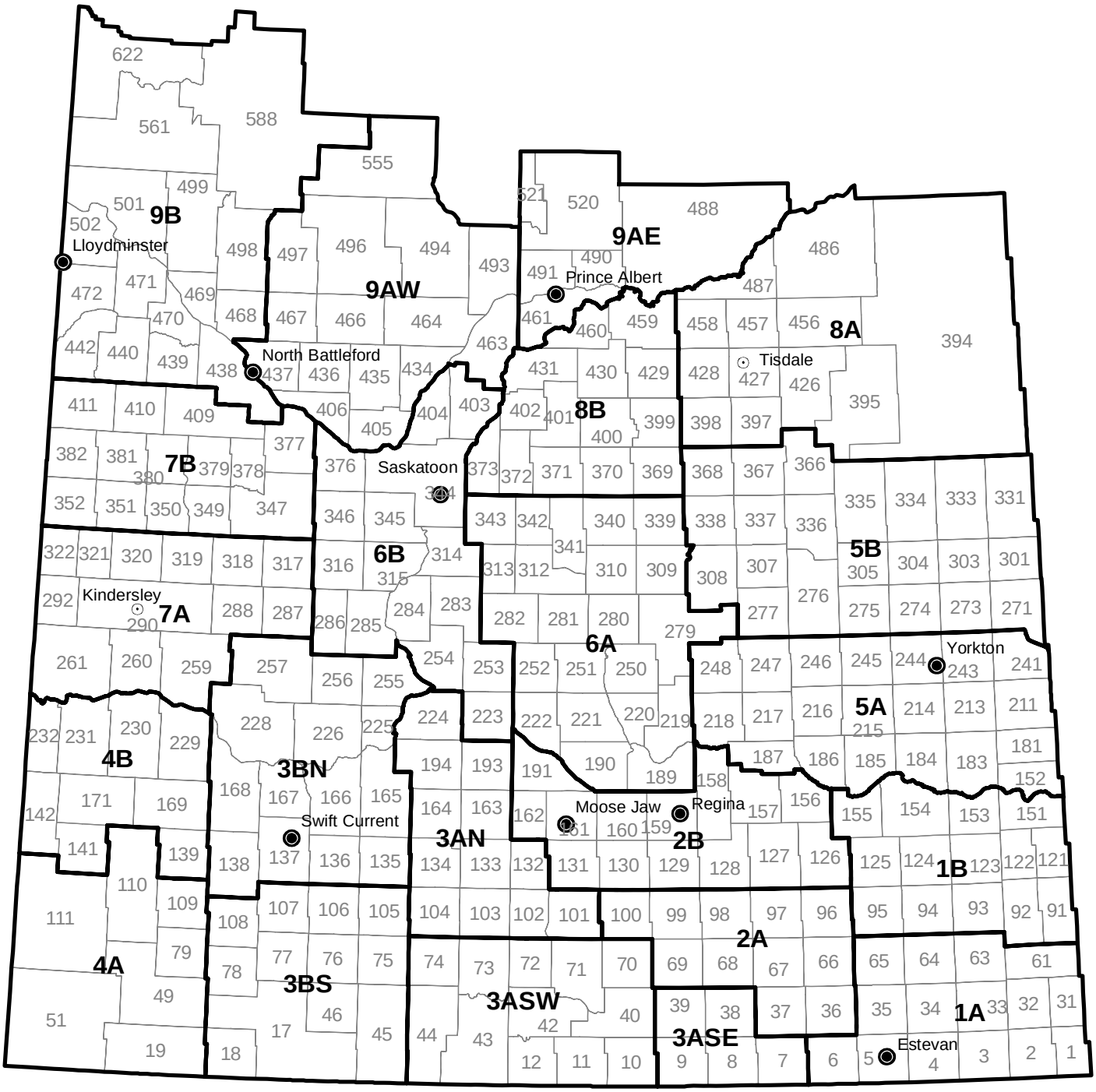
Crop Dist.	Municipality No.	Name	Past Week	Since April 1
1A	1	Argyle	5	149
	3 B	Enniskillen	NIL	152
	32	Reciprocity	4	117
	33 A	Moose Creek	1	142
	33 B	Moose Creek	3	202
	34	Browning	3	215
	35	Benson	NIL	174
	61	Antler	NIL	147
	63 A	Moose Mountain	NIL	193
	64	Brock	2	197
1B	91	Maryfield	TR	135
	92	Walpole	NIL	171
	92 B	Walpole	NIL	188
	93	Wawken	NIL	206
	95	Golden West	2	216
	123	Silverwood	5	247
	124	Kingsley	3	196
	125	Chester	NIL	177
	151 A	Rocanville	NIL	274
	151 B	Rocanville	6	313
	153	Willowdale	4	207
	155	Wolseley	3	229
2A	36	Cymri	TR	237
	67	Weyburn	10	209
	68	Brokenshell	3	210
	96	Fillmore	NIL	205
	97	Wellington	TR	194
	99	Caledonia	2	198
2B	126	Montmartre	NIL	179
	127	Francis	3	203
	128	Lajord	NIL	137
	129	Bratt's Lake	4	185
	131	Baildon	29	220
	156 A	Indian Head	1	219
	156 B	Indian Head	1	226
	157	South Qu'appelle	TR	205
	158	Edenwold	3	186
	160	Pense	25	208
	161	Moose Jaw	31	319
3ASE	8	Lake Alma	2	225
	9	Surprise Valley	23	232
	38 A	Laurier	9	209
	38 B	Laurier	12	166
	39 A	The Gap	10	172
3ASW	10	Happy Valley	8	149
	12	Poplar Valley	7	139
	40	Bengough	9	183
	42	Willow Bunch	TR	160
	43 A	Old Post	NIL	134
	43 B	Old Post	1	150
	44	Waverley	2	217
	70	Key West	24	183
	71 A	Excel	2	190
	71 B	Excel	5	222
	71 C	Excel	8	254
	73 A	Stonehenge	1	219
	73 B	Stonehenge	NIL	229
3AN	101 B	Terrell	11	183
	102	Lake Johnston	4	189
	132	Hillsborough	33	250
	134	Shamrock	23	252
	164	Chaplin	26	245
	193	Eyebrow	14	277
3BS	46	Glen Mcpherson	NIL	166
	75 A	Pinto Creek	NIL	189
	76 A	Auvergne	NIL	122
	76 B	Auvergne	TR	154
	78 A	Grassy Creek	3	128
	78 B	Grassy Creek	2	86
	105	Glenbain	1	336
	106	Whiska Creek	2	166
	108	Bone Creek	8	135
3BN	135	Lawtonia	31	258
	136	Coulee	32	218
	138	Webb	3	167
	165	Morse	22	176
	166	Excelsior	13	199
	167	Sask. Landing	8	186
	225	Canaan	6	173
	226	Victory	4	177
	228 A	Lacadena	3	153
	228 B	Lacadena	7	203
4A	19	Frontier	NIL	138
	49 A	White Valley	2	99
	49 B	White Valley	NIL	117
	51	Reno	17	126
	79	Arlington	TR	93
	109	Carmichael	10	144
	110	Piapot	NIL	131
	111 A	Maple Creek	8	120
4B	139	Gull Lake	NIL	136
	141	Big Stick	1	138
	142	Enterprise	5	176
	169	Pittville	4	85
	231	Happyland	15	180
	232	Deer Forks	1	153
5A	152	Spy Hill	10	266
	183	Fertile Belt	2	227
	184 A	Grayson	NIL	132
	185	Mcleod	4	200
	186	Abernethy	4	213
	187	North Qu'appelle	3	196
	211	Churchbridge	2	219
	216	Tullymet	17	261
	217 B	Lipton	32	227
	245 A	Garry	22	214
	246	Ituna Bon Accord	10	219
	247	Kellross	16	302
	248	Touchwood	22	208
5B	271	Cote	5	193
	273	Sliding Hills	2	139
	275 B	Insinger	6	237
	276	Foam Lake	14	273
	277	Emerald	23	261
	307	Elfros	31	261
	308	Big Quill	17	183
	335	Hazel Dell	20	254
	336	Sasman	14	249
	338	Lakeside	29	262
	366 A	Kelvington	21	199
	366 B	Kelvington	22	213
	367	Ponass Lake	28	324
6A	189	Lumsden	46	276
	190 A	Dufferin	35	180
	190 B	Dufferin	40	265
	190 C	Dufferin	34	229
	219 C	Longlaketon	26	191
	220	Mckillop	39	263
	221	Sarnia	21	242
	251	Big Arm	13	188
	252	Arm River	8	207
	279 B	Mount Hope	16	211
	280	Wreford	10	167
	282	Mccraney	19	191
	309	Prairie Rose	20	231
	312	Morris	8	213
	339 B	Leroy	15	244
	340 A	Wolverine	21	263
	340 B	Wolverine	19	278
	341	Viscount	9	133
	343	Blucher	4	226
6B	254	Loreburn	21	197
	283	Rosedale	1	160
	284	Rudy	8	204
	285	Fertile Valley	12	212
	314 B	Dundurn	5	196
	344	Corman Park	15	146
	345	Vanscoy	40	202
	346	Perdue	8	213
	376 A	Eagle Creek	14	191
	376 B	Eagle Creek	35	195
	404	Laird	20	205
7A	259	Snipe Lake	2	113
	287	St. Andrews	13	113
	288	Pleasant Valley	13	136
	292	Milton	NIL	181
	317 C	Marriott	15	166
	318 A	Mountain View	3	174
	318 B	Mountain View	5	191
	320	Oakdale	1	135
	321	Prairiedale	3	226
7B	347 A	Biggar	14	174
	350 A	Mariposa	1	139
	351	Progress	7	166
	352	Heart's Hill	6	181
	377	Glenside	30	193
	378 A	Rosemount	5	144
	378 B	Rosemount	11	121
	379	Reford	14	136
	381	Grass Lake	18	173
	382	Eye Hill	16	203
	409	Buffalo	24	149
	410	Round Valley	0	142
8A	397	Barrier Valley	24	299
	398	Pleasantdale	14	231
	428	Star City	19	221
	456	Arborfield	24	201
	457 A	Connaught	26	368
	458	Willow Creek	16	208
	486	Moose Range	18	165
	487	Nipawin	19	219
8B	369	St. Peter	17	316
	370	Humboldt	10	221
	371	Bayne	23	216
	373	Aberdeen	9	175
	399	Lake Lenore	13	214
	402	Fish Creek	11	181
	429 A	Flett's Springs	18	193
	429 B	Flett's Springs	18	206
	430	Invergordon	11	228
	431	St. Louis	17	230
	459	Kinistino	16	180
9AE	488	Torch River	39	226
	520	Paddockwood	27	259
9AW	406	Mayfield	39	207
	435	Redberry	29	209
	436	Douglas	21	197
	464	Leask	23	238
	466	Meeting Lake	18	173
	467	Round Hill	46	206
	494	Canwood	17	254
	496	Spiritwood	35	223
9B	438 A	Battle River	23	167
	438 B	Battle River	64	208
	468	Meota	14	159
	472	Wilton	21	169
	498 B	Parkdale	9	111
	499	Mervin	10	147
	501 A	Frenchman Butte	15	126
	501 B	Frenchman Butte	8	122
	501 C	Frenchman Butte	10	153
	502	Britannia	12	167
	561	Loon Lake	4	112
	588 B	Meadow Lake	10	118
	588 C	Meadow Lake	1	99
	588 D	Meadow Lake	12	113
	622	Beaver River	17	143

These precipitation amounts represent point locations within each municipality and do not necessarily reflect the whole R.M.

* incomplete

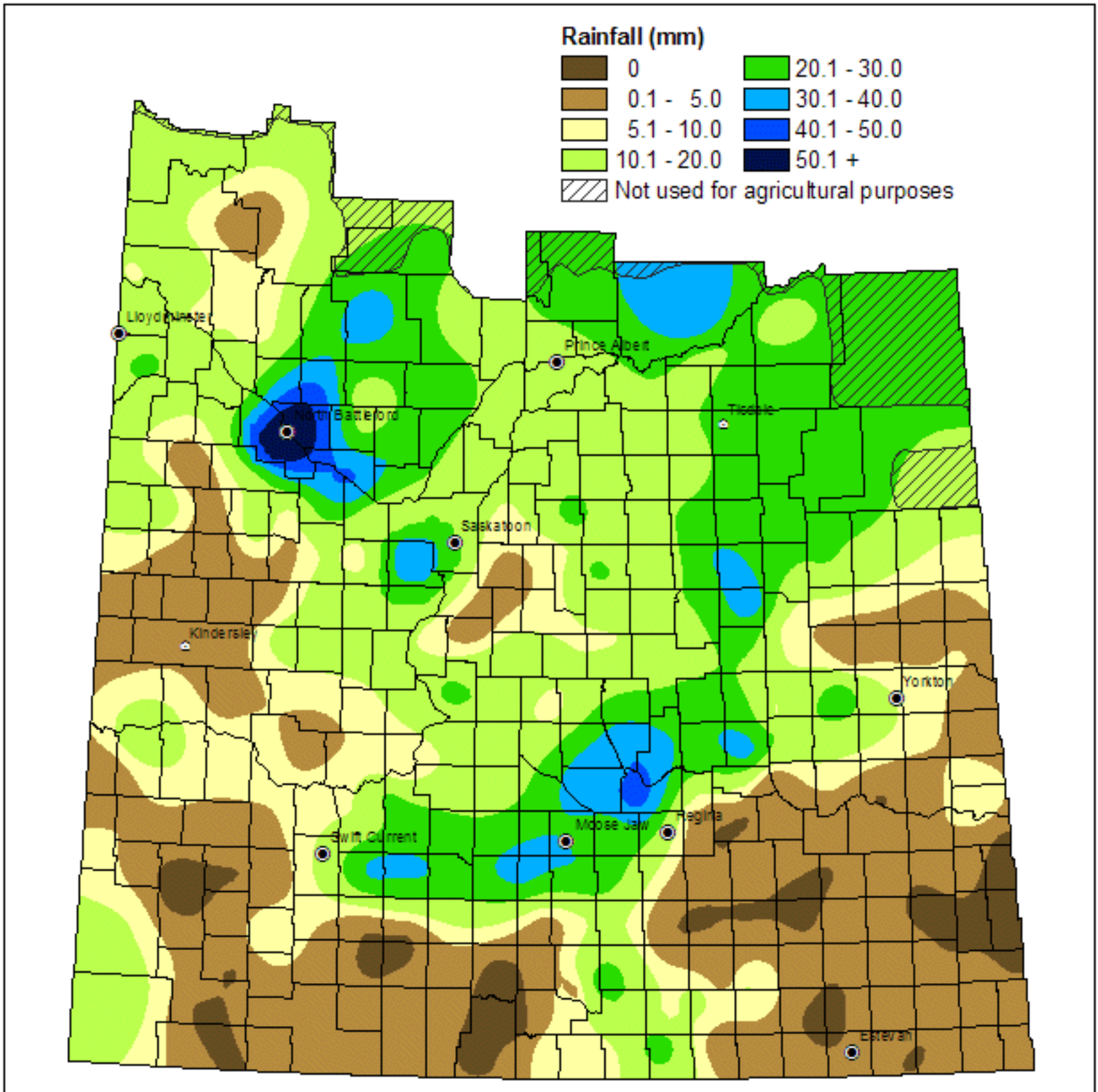
Municipality No: A, B, C, and D - more than one reporter

Crop Districts
and
Rural Municipalities



Weekly Rainfall

for the week ending July 15, 2006



NOTE: Since techniques used to smooth the transition between zones can affect the values in localized areas, this map should be used for regional analysis only.

Saskatchewan Agriculture and Food

0 25 50 100 150 200

Kilometers

Projection: UTM Zone 13 Datum: NAD83 Spheroid: GRS1980

N W E S

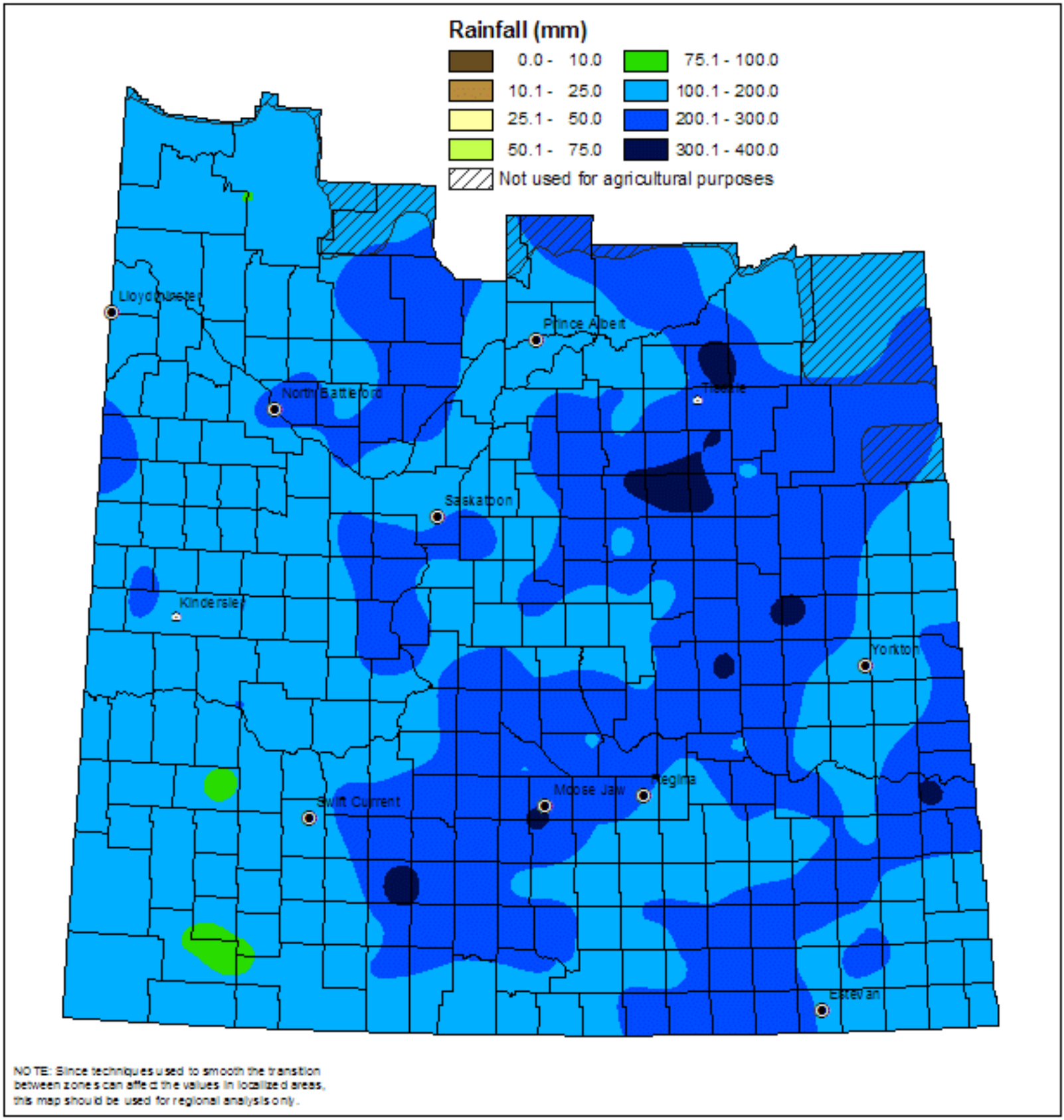
Rainfall data - SAF Crop Report Database

Prepared by : Geomatics Unit Date: July17, 2006

Cumulative Rainfall

From: April 1, 2006

To: July 15, 2006



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Saskatchewan Agriculture and Food

0 25 50 100 150 200

Kilometers

Projection: UTM Zone 13 Datum: NAD83 Spheroid: GRS1980

N W E S

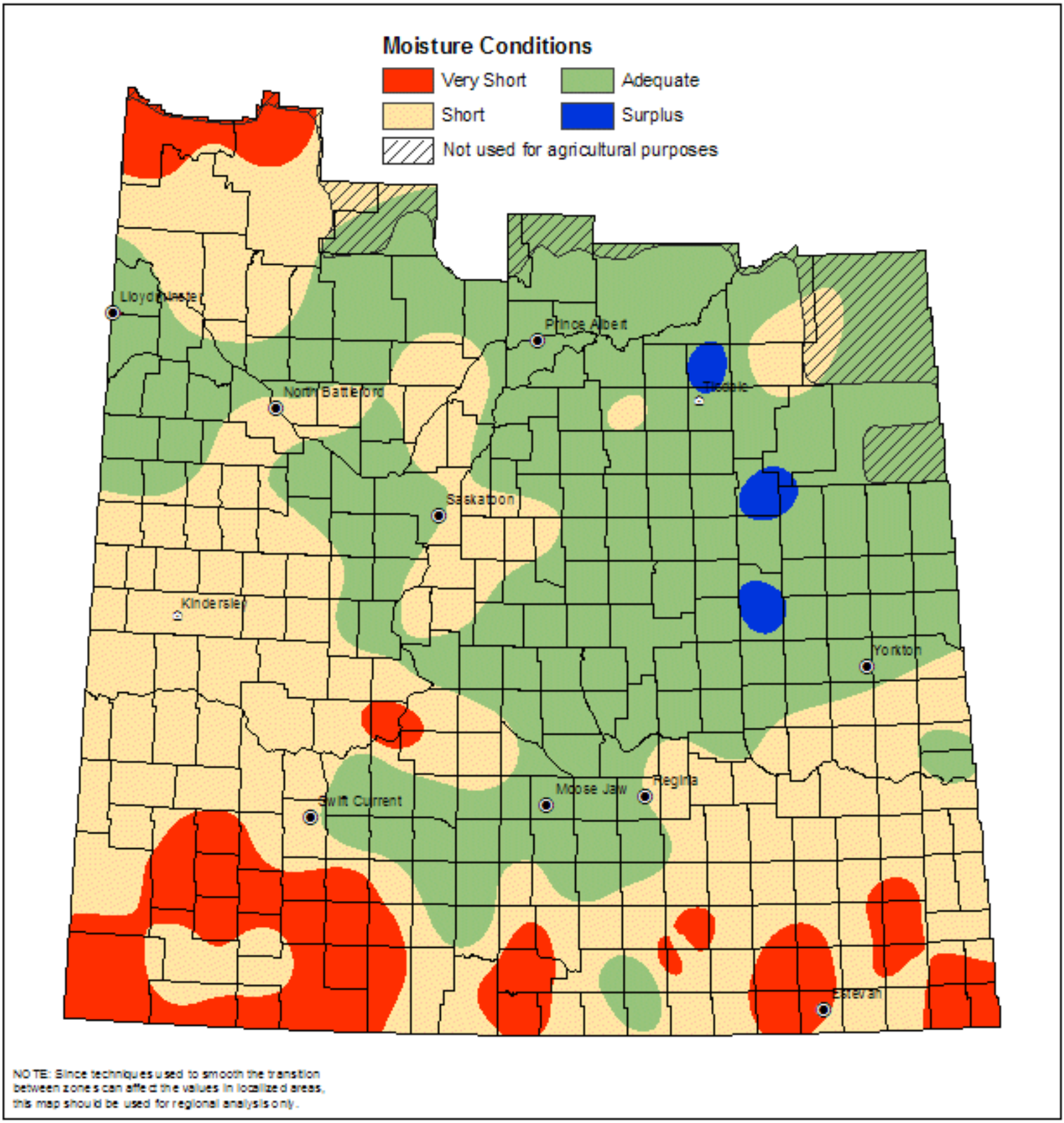
Rainfall data - SAF Crop Report Database

Base Geospatial Data provided under license to SAF, © of Information Services Corporation of Saskatchewan

Prepared by : Geomatics Unit Date: July17, 2006

Crop Land Topsoil Moisture Conditions

July 16, 2006



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Saskatchewan Agriculture and Food

0 25 50 100 150 200

Kilometers

Projection: UTM Zone 13 Datum: NAD83 Spheroid: GRS1980

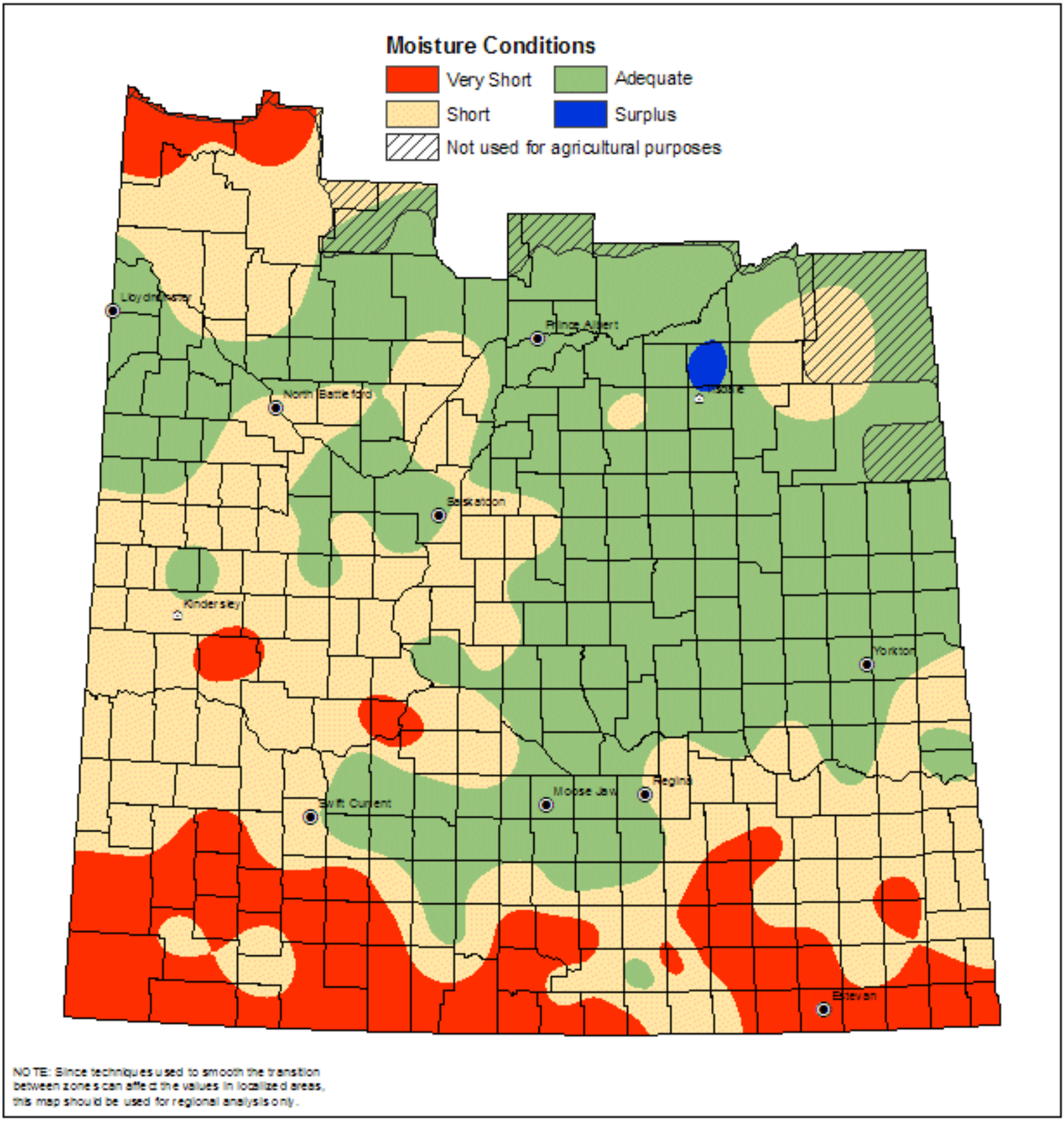
N W E S

Moisture data - SAF Crop Report Database

Prepared by : Geomatics Unit Date: July17, 2006

Hay and Pasture Topsoil Moisture Conditions

July 16, 2006



NOTE: Since techniques used to smooth the transition between zones can affect the values in localized areas, this map should be used for regional analysis only.

Saskatchewan Agriculture and Food

0 25 50 100 150 200

Kilometers

N W E S

Projection: UTM Zone 13 Datum: NAD83 Spheroid: GRS1980

Moisture data - SAF Crop Report Database

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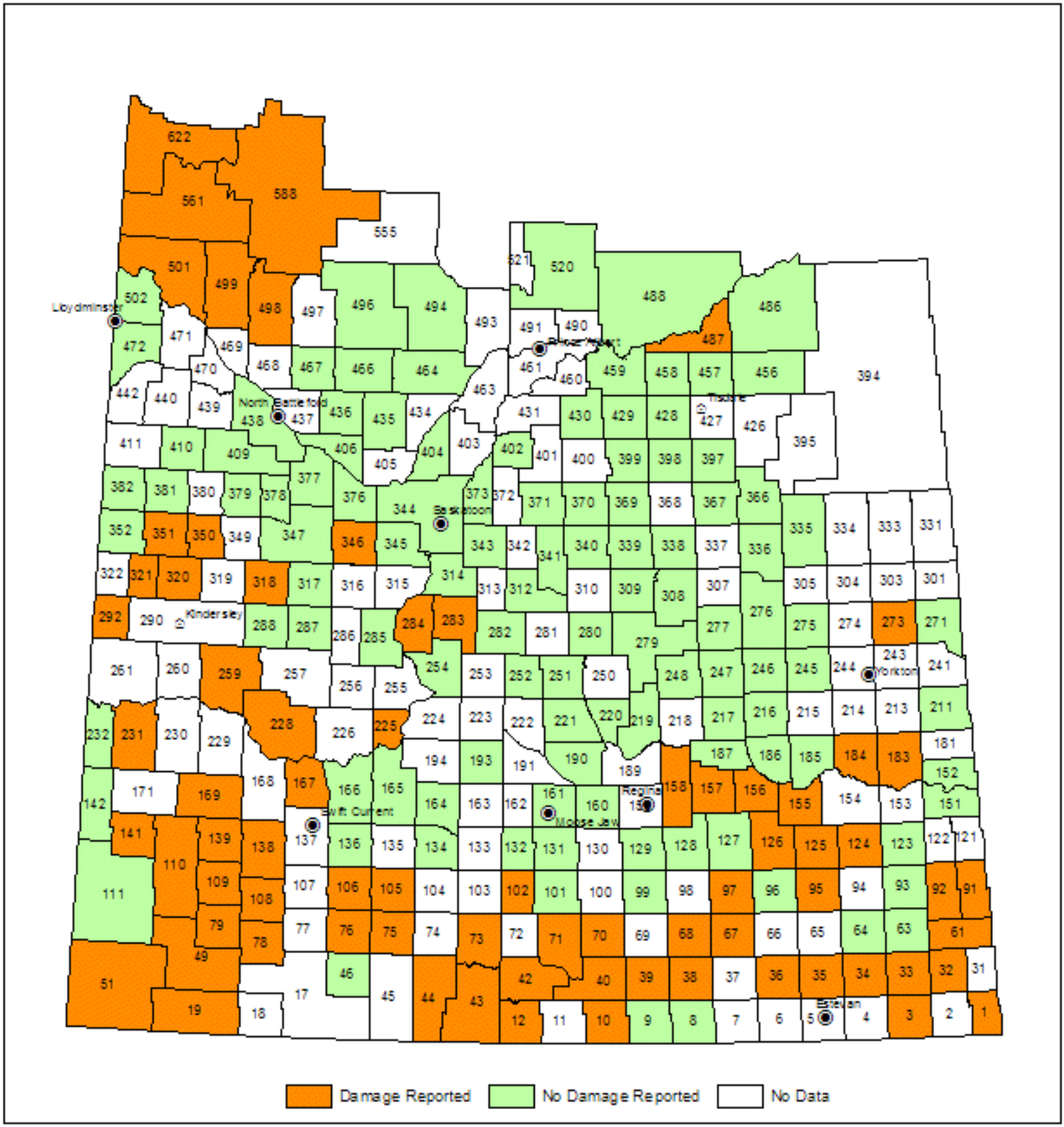
Prepared by : Geomatics Unit Date: July17, 2006

Crop Damage - Drought

for the week ending July 15, 2006



Saskatchewan Agriculture and Food

0 25 50 100 150 200

Kilometers

Projection: UTM Zone 13 Datum: NAD83 Spheroid: GRS1980

N W E S

Crop damage data - SAF Crop Report Database
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Prepared by : Geomatics Unit Date: July17, 2006