



**B.C. GRAIN
PRODUCERS
ASSOCIATION**

2014 FIELD CROP VARIETY PERFORMANCE



B.C. PEACE RIVER REGION

Funding for this project has been provided by Agriculture and Agri-Food Canada (AAFC) and the BC Ministry of Agriculture through the Canada-BC Agri-Innovation Program under *Growing Forward 2*, a federal-provincial-territorial initiative. The program is delivered by the Investment Agriculture Foundation of BC (IAF).

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AAFC, the BC Ministry of Agriculture, IAF and WGRF are committed to working with industry partners. Opinions expressed in this document are those of the BC Grain Producers Association and not necessarily those of AAFC, the Ministry of Agriculture IAF or WGRF.



Fertilizer Rates Used In 2014

Fort St. John, B.C.		Legal Description: SW19 Tp84 R18 W6							
Crop	Fertilizer Applied	Pro. kg/ha	Placement	lbs actual/ac Recom. vs. Applied	Soil-Test Results				
					N	P ₂ O ₅	K ₂ O	S	
Canola	34-0-0-11	285	banded	*Recommended =	100	25	15	27	
	5-26-30	72	banded	Actually applied =	92.3	28.3	19.3	28	
	11-52-0	25	in-furrow						
Flax	34-0-0-11	184.9	banded	*Recommended =	65	25	15	12	
	5-26-30	76	banded	Actually applied =	62.2	29.2	20.3	18	
	11-52-0	25	in-furrow						
Wheat, Barley & Oat	46-0-0	101	banded	*Recommended =	45	22	15	12	
	6-26-30	55	banded	Actually applied =	47.1	24.4	14.7	0	
	11-52-0	25	in-furrow						
Pea/Lentil	20.5-0-0-24	41	banded	*Recommended =	20	27	15	12	
	6-26-30	56	banded	Actually applied =	13.0	24.6	15	8.8	
	11-52-0	25	in-furrow						
AAFC Coop A, B Wheat	34-0-0-11	150	banded	*Recommended =	45	22	15	21	
	5-26-30	55.7	banded	Actually applied =	50.7	24.5	14.9	15	
	11-52-0	25	in-furrow						

Dawson Creek, B.C.		Legal Description: SW20 Tp78 R14 W6							
Crop	Fertilizer Applied	Pro. kg/ha	Placement	lbs actual/ac Recom. vs. Applied	Soil-Test Results				
					N	P ₂ O ₅	K ₂ O	S	
Canola	34-0-0-11	285	banded	*Recommended =	100	25	15	27	
	6-26-30	72	banded	Actually applied =	92.3	28.3	19.3	28	
	11-52-0	25	in-furrow						
Pea/Lentil	20.5-0-0-24	41	banded	*Recommended =	0	25	15	5	
	6-26-30	56	banded	Actually applied =	13.0	24.6	15	8.8	
	11-52-0	25	in-furrow						
Flax	34-0-0-11	167.5	banded	*Recommended =	60	22	20	12	
	5-26-30	76	banded	Actually applied =	56.9	29.2	20.3	16	
	11-52-0	25	in-furrow						
Wheat, Barley	34-0-0-11	205.1	banded	*Recommended =	70	22	15	5	
	5-26-30	55.7	banded	Actually applied =	67.4	24.5	14.9	20	
	11-52-0	25	in-furrow						
Oat	34-0-0-11	205.1	banded	*Recommended =	70	22	15	15	
	5-26-30	55.7	banded	Actually applied =	67.4	24.5	14.9	20	
	11-52-0	25	in-furrow						
Malt Barley	46-0-0	150	banded	*Recommended =	70	22	15	12	
	6-26-30	76	banded	Actually applied =	67.4	24.5	14.9	20	
	11-52-0	25	in-furrow						

*Recommended = recommendations given by ALS Laboratory Group of Saskatoon, SK., calculated from soil samples pulled earlier in the spring of the same calendar year as planted.

Pesticide Applications

Fort St. John, B.C.			
	Legal Description:	SW19 Tp84 R18 W6	
Crop	Date Applied	Product Used	Product Rate
Canola (napus & rapa)	12-Jun-14 to 23-Jun-14	Muster (ethametsulfuron methyl)	
		Lontrel 360 (clopyralid)	227 ml/ac
		Poast Ultra (sethoxydim)	200 ml/ac
		Merge	400 ml/ac
Canola (Systems: CPT)	12-Jun-14	Liberty	1.35 L/ac
Canola (Liberty blocks)	12-Jun-14	Solo + Merge	11.7 g/ac + 0.5%
Canola (CL blocks)	12-Jun-14	WeatherMax	400 ml/ac
Canola (RR blocks)	12-Jun-14	WeatherMax	500 ml/ac
Canola Napus Insect Work (as 2 separate system blocks)	12-Jun-14	Liberty	1.35L/ac
Field Pea	07-Jun-14	Sencor (metribuzin) 75%DF	100 g/ac
		MCPA Sodium	190 ml/ac
Lentil	07-Jun-14	Sencor (metribuzin) 75%DF	100 g/ac
Flax	16-Jun-14	Buctril-M (bromonil + MCPA)	400 ml/ac
Wheat, Barley, Oat (includes AAFC Coop A, B Wheat)	16-Jun-14	Buctril-M (bromonil + MCPA)	400 ml/ac

Dawson Creek, B.C.			
	Legal Description:	SW20 Tp78 R14 W6	
Crop	Date Applied	Product Used	Product Rate
Wheat, Barley, Trit	13-Jun-14	Buctril-M (bromonil + MCPA)	400 ml/ac
Oat & Malt Barley (all oat except organic oat trial)	13-Jun-14	Buctril-M (bromonil + MCPA)	400 ml/ac
Field Pea	06-Jun-14	Sencor (metribuzin) 75%DF	100 g/ac
		MCPA Sodium	190 ml/ac
Lentil	06-Jun-14	Sencor (metribuzin) 75%DF	100 g/ac
Flax	11-Jun-14	Buctril-M (bromonil + MCPA)	400 ml/ac
Canola Napus Insect Work (as 2 separate system blocks)	11-Jun-14	WeatherMax	500 ml/ac
	11-Jun-14	Liberty	1.35L/ac
Canola (all napus except Insect studies / CPT / and CPS-RR system trials)	11-Jun-14	Muster (ethametsulfuron methyl)	12 g/ac
		Lontrel 360 (clopyralid)	227 ml/ac
		Poast Ultra (sethoxydim)	200 ml/ac
		Merge	400 ml/ac
Canola (Systems: CPT/CPS-RR)	11-Jun-14	Liberty	1.35 L/ac
Canola (Liberty blocks)	11-Jun-14	Solo + Merge	11.7 g/ac + 0.5%
Canola (CL blocks)	11-Jun-14	WeatherMax	400 ml/ac
Canola (RR blocks)	11-Jun-14	WeatherMax	400 ml/ac

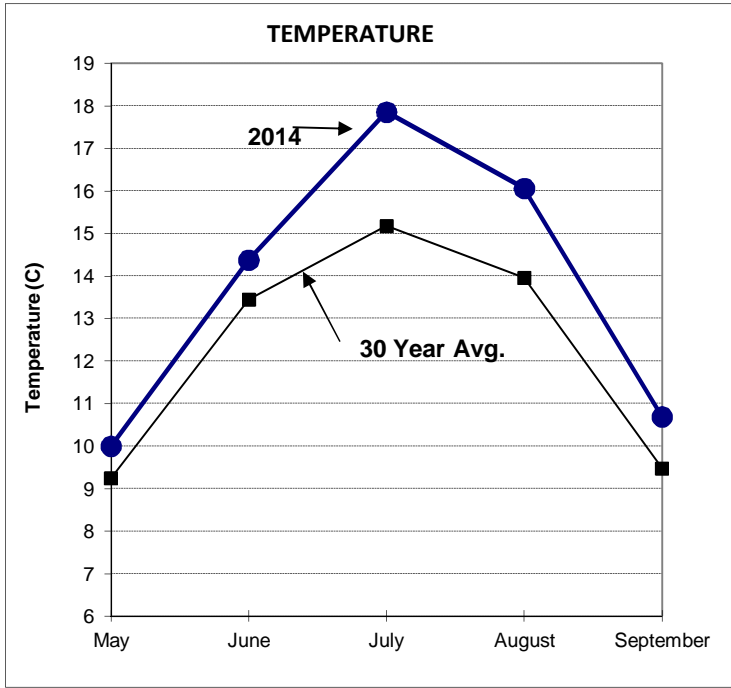
All seed was treated with seed treatment: canola with Helix Xtra®, cereal with Raxil FL® and pea seed with Apron Maxx RTA®. Flax was untreated as per new Alberta regional testing protocol.

Planting and Harvest Information

Loc.	Crop	Seeding rate		Date Planted	Soil Temp (C°) @ plant	Seeding		Harvesting Method
		lbs/ac	kg/ha			Depth	Harvest Date	
FSJ	Napus Canola	8	8.9	12&13-Jun-14	6	0.75 - 1 inch	19-Sep-14	desiccate/direct
	Flax	40	45	09-May-14	4	0.75 - 1 inch	6-Oct-14	desiccate/direct
	Barley	77	86	19-May-14	9	0.5 - 1 inch	30-Aug-14	direct
	Durum Wheat	90	101	19-May-14	9	0.5 - 1 inch	8-Oct-14	desiccate/direct
	CWRS Wheat	90	101	19-May-14	9	0.5 - 1 inch	11-Sep-14	desiccate/direct
	CPS/CWES	90	101	19-May-14	9	0.5 - 1 inch	17-Sep-14	desiccate/direct
	Oat	81	90	19-May-14	9	0.5 - 1 inch	13-Sep-14	desiccate/direct
	Field Pea	149	167	09-May-14	4	1 - 1.25 inch	15-Aug-14	desiccate/direct
DC	Canola(BCGPA)	8	8.9	16-May-14	5.5	0.5-1 inch	30-Sep-14	desiccate/direct
	Canola(CPT)	8	8.9	17-May-14	6	0.5-1 inch	23-Sep-14	desiccate/direct
	Canola(CPS)	8	8.9	17-May-14	6	0.5-1 inch	1-Oct-14	desiccate/direct
	Flax	40	45	10-May-14	4	0.5-0.75 inch	7-Oct-14	desiccate/direct
	Barley	77	86	21&22-May-14	6-7	0.75-1 inch	31-Aug-14	direct
	CWRS Wheat	90	101	21-May-14	6	0.75-1 inch	4-Sep-14	desiccate/direct
	CPS/CWES	90	101	21-May-14	6	0.75-1 inch	16-Sep-14	desiccate/direct
	Oat	81	90	22-May-14	7	0.75-1 inch	5-Sep-14	desiccate/direct
Field Pea	149	167	08-May-14	4	1-1.5 inch	12-Aug-14	desiccate/direct	

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 Helix Xtra® is a registered trademark of Syngenta Crop Protection Canada Inc.
 AgSurf® is a registered trademark of IPCO

Dawson Creek Weather Information 2014



TEMPERATURE

Month	Monthly Avg. Temp. (C)	Temp.* 30 year Avg. (C)
May	10	9
June	14	13
July	18	15
August	16	14
September	11	9

Frost Events: May 11 -4.5 August 23 -1.2
 May 17 -1.4 **September 10 -4.2**

Killing Frost (-2.2 C) Free Period: 122 days
 May 11 - September 10

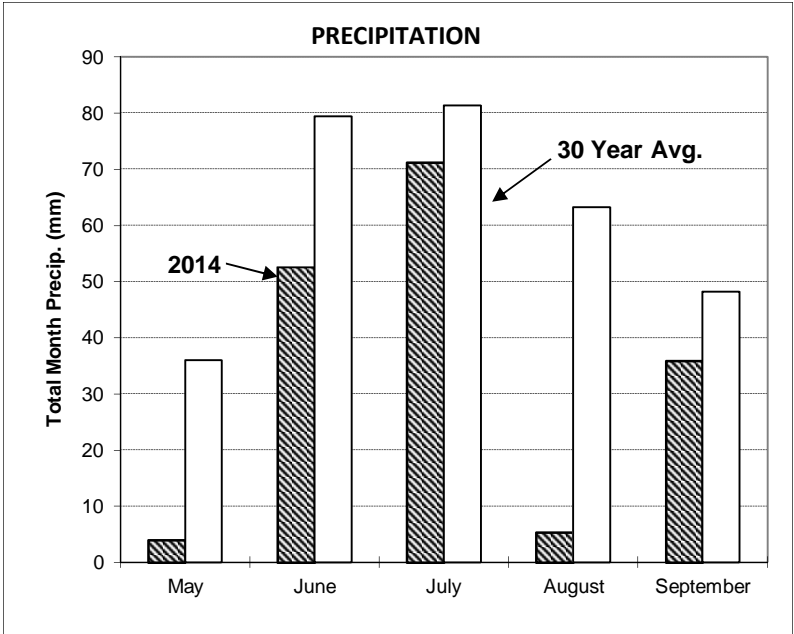
Accumulated Growing Degree Days:
2014: 1266
 1994-2014 Average: 1181

* 30 year average DC from 1968-1997
 Source: Environment CANADA

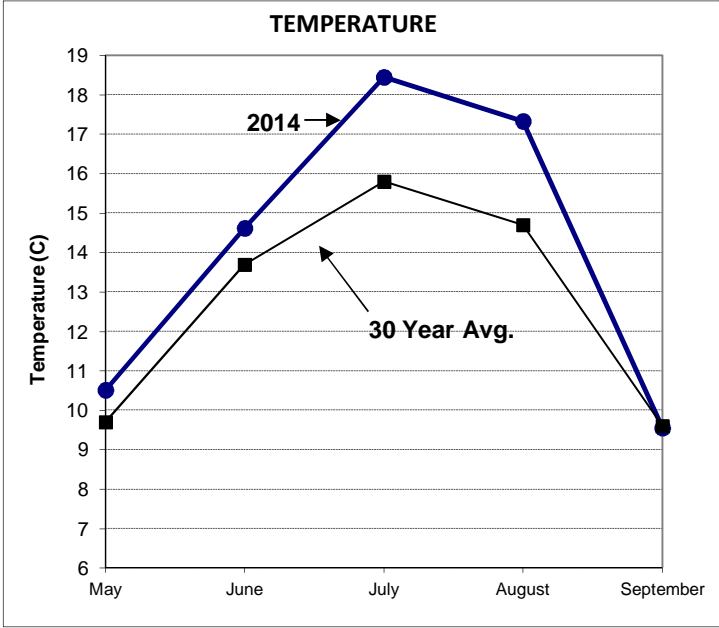
PRECIPITATION

Month	Monthly Precipitation (mm)	Precipitation * 30 year Avg. (mm)
May	4	36
June	53	79
July	71	81
August	5	63
September	36	48

Data is provided by an on site weather station maintained by the Canadian Wheat Board and the BC Grain Producers Association.



Fort St. John Weather Information 2014



Month	Monthly Avg. Temp. (C)	Temp.* 30 year Avg. (C)
May	11	10
June	15	14
July	18	16
August	17	15
September	10	10

****Frost Events:** No frost events were recorded between May 1st and Sep 15th. This is contrary to evidence witnessed at the site but periodically some raw data had to be supplied from FSJ city stations due to loss of data.
Killing Frost (-2.2 C) Free Period: <168 days **

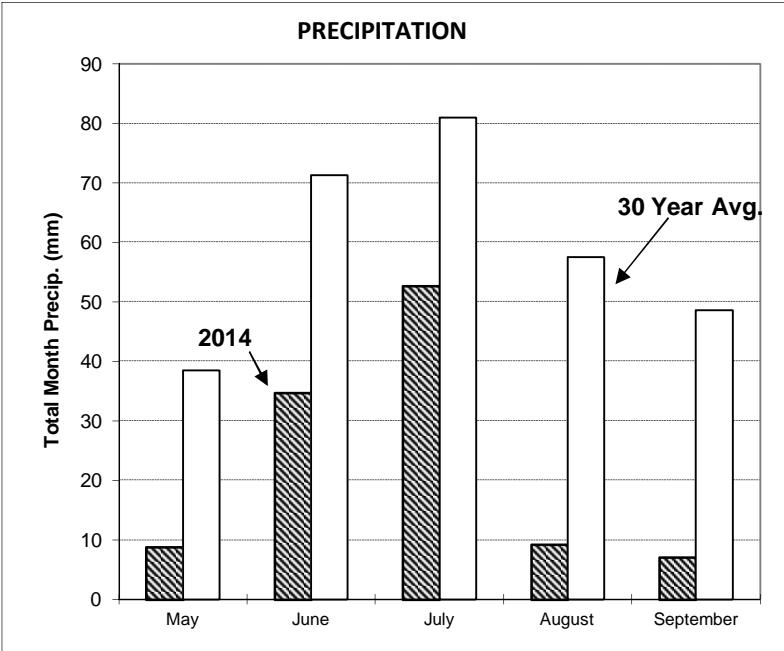
Accumulated Growing Degree Days:
2014: 1354
 1994-2014 Average: 1182

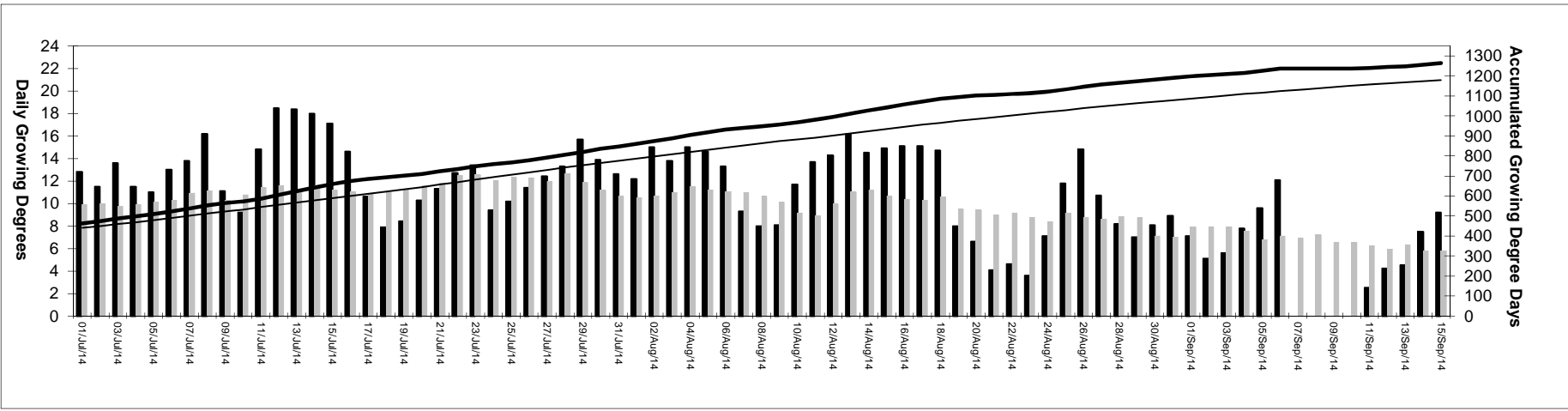
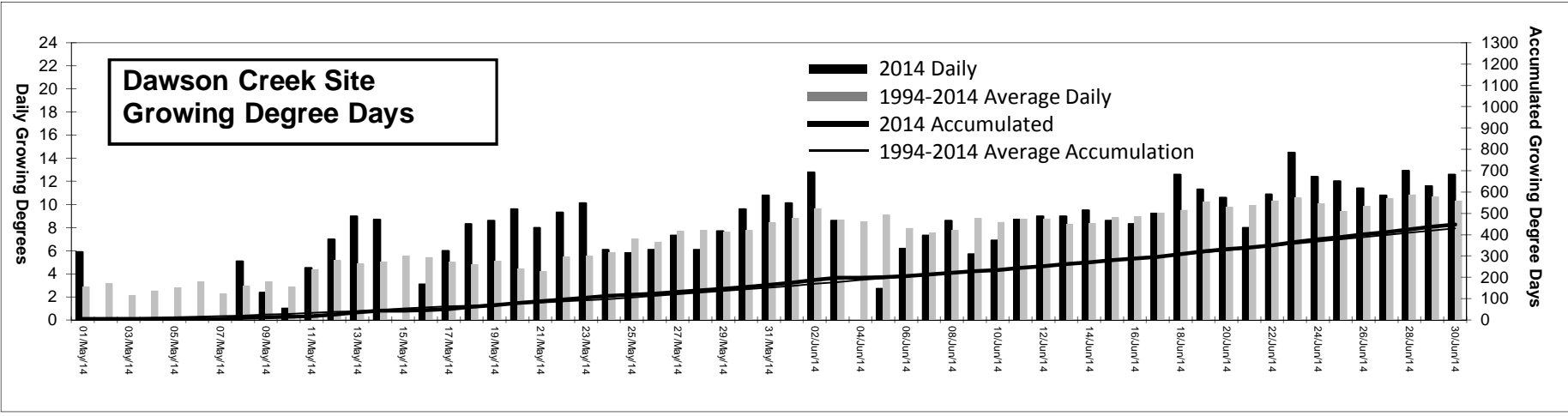
* 30 year average FSJ from 1968-1997
 source: Environment CANADA

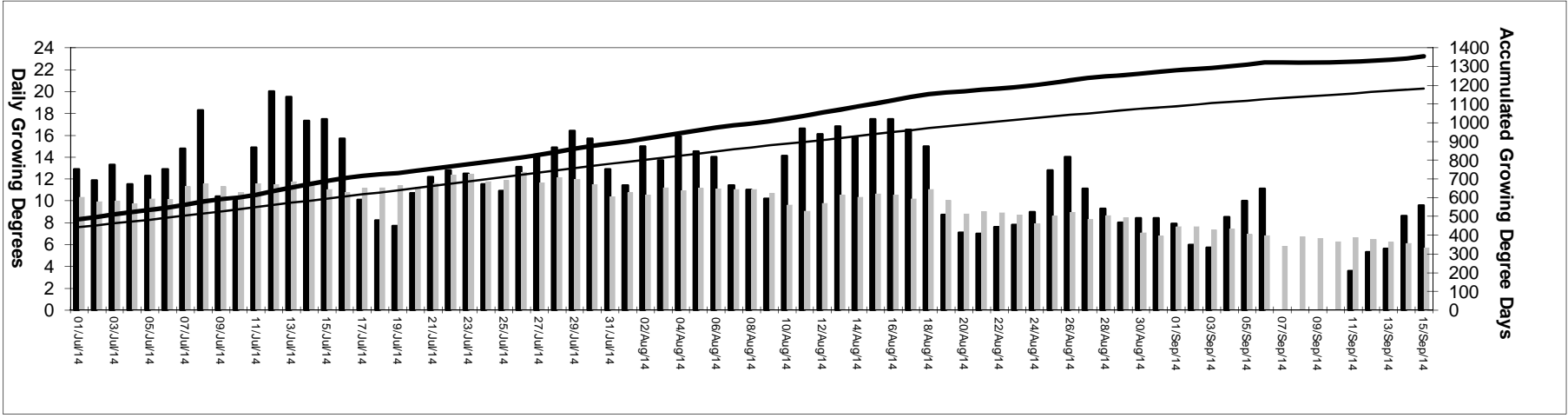
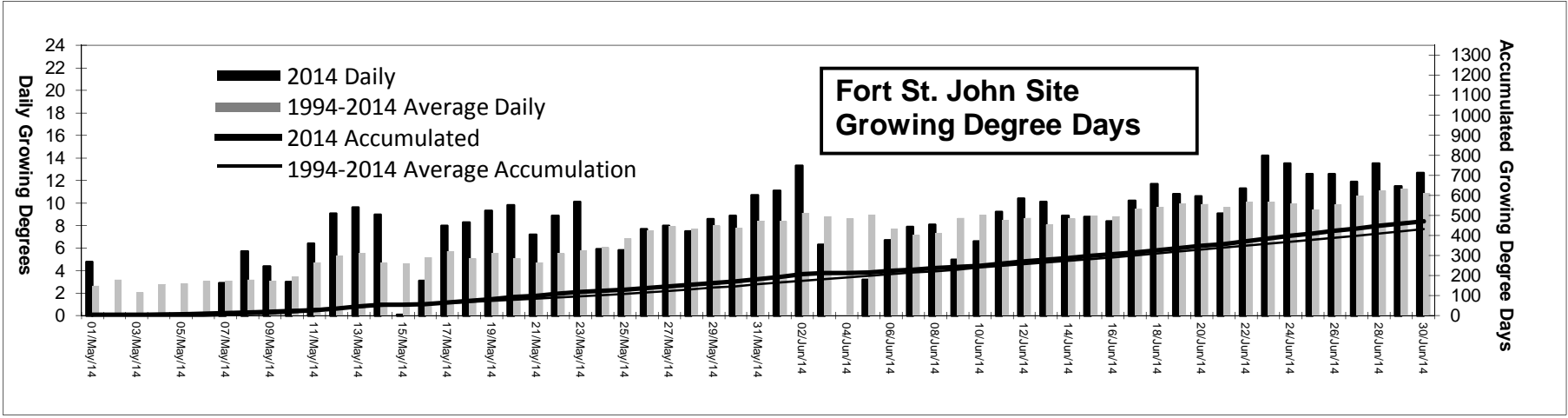
PRECIPITATION

Month	Monthly Precipitation (mm)	Precipitation * 30 year Avg. (mm)
May	9	39
June	35	71
July	53	81
August	9	58
September	7	49

Data is provided by an on site weather station maintained by the Canadian Wheat Board and the BC Grain Producers Association.







List of Certified Seed Distributors

Alliance Seed Corp.

www.allianceseed.com

Bayer CropScience Inc. Canada

#100, 3131-114 Ave. SE Calgary, AB T2Z 3X2
Toll-Free: 1(888) 283-6847 Phone:(403)-723-7400

www.bayercropscience.ca

Brett - Young Seeds Ltd.

P.O. Box 99, St. Norbert Postal Station,
Winnipeg, MB R3V 1L5
Toll-Free: 1(800) 665-5015

www.brettyoung.ca

Busch Agricultural Resources Inc. Canada

360 Main Street, Suite 2080
Winnipeg, Manitoba R3C 3Z3
Phone:(204)-927-3603

Canseed Ltd.

R.R. #1, Box 1155 Stettler, AB T0C 2L0
Phone: (403)-742-4091 Fax: (403)-742-0621

Canterra Seeds Ltd.

201-1475 Chevier Blvd. Winnipeg, MB R3T 1Y7
Phone: (204)-988-9750 Fax:(204) 487-7682

www.canterra.com

Cargill Ltd.

P.O. Box 5900 300-240 Graham Avenue Winnipeg, MB
R3C 4C5 Phone:(204)-947-0141 Fax:(204)-947-6444

www.cargill.ca

Crop Production Services Canada Inc.

PO Box 770 Stn Main
Regina, Saskatchewan S4P 3A8
Toll-Free:1(855)-569-9444
Dawson Creek Phone:(250)-782-9264
Fort St.John Phone:(250)-785-3445

www.cpsagu.ca

DL Seeds

P.O. Box 2499 Morden, MB R6M 1C2
Phone: (204)-331-2361 Fax:(204)-325-8052

www.dlseeds.ca

FP Genetics

426 McDonald Street Regina, SK S4N 6E1
Toll Free: 1(877) 791-1045 Fax: 1(877) 791-1046

www.fpgenetics.ca

Hadland Seed Farm Ltd.

8161 253 Rd, Baldonnel BC,V0C 1C0
Phone: (250)-789-3646

Mastin Seeds

RR #1 Sunde, AB T0M 1X0
Phone:(403)-556-2609 Fax: (403)-507-2609

www.mastinseeds.com

Monsanto Canada Inc (DEKALB)

900 - 1 Research Road Winnipeg, MB R3T 6E3
Toll-Free:1(800) 667-4944 Phone: (204)-985-1000

www.monsanto.ca

Pioneer Hi-Bred Ltd. (DuPont)

P.O. Box 730, 7398 Queen's Line Chatham, ON
N7M 5L1 Phone: (519)-352-6350

www.pioneer.com/canada

Richardson International

2800 One Lombard Place, Winnipeg, MB R3B 0X8
Toll Free:1-866-217-6211

Phone: (204)-934-5961

<http://www.richardson.ca>

Saskatchewan Pulse Growers

104 - 411 Downey Road Saskatoon, SK S7N 4L8
Phone: (306)-668-5556 Fax: (306)-668-5557

www.saskpulse.com

SeCan Association

400 - 300 Terry Fox drive Kanata, ON K2K 2E2
Toll-Free:1(800)-665-7333(Western Canada)

www.secan.com

Seed Depot Corp.

P.O. Box 208 Pilot Mound, MB R0G 1P0
Phone: (204)-825-2000

www.seeddepot.ca

SeedNet Inc.

John Huvenaars Phone: (403) 725-2126

<http://www.seednet.ca>

Solick Seeds Ltd.

Po Box 97 Halkirk, AB T0C 1M0
Phone: (403)-884-2358 Fax: (403)-884-2360

Syngenta Seeds Canada Inc.

140 Research Lane Research Park
Guelph, Ontario N1G 4Z3
Toll-Free:1(888)-368-4211 Phone:(519)-836-5665

www.syngenta.ca

T & L Seeds

P.O. Box 216 North Battleford, SK S9A 2Y7

Wagon Wheel Seed Corp.

Box 229 Churchbridge, SK S0A 0M0
Phone: (306)-896-2236 Fax: (306)-896-2696

<http://www.wagonwheelseeds.sk.ca>

Western Ag Labs

#104 - 110 Research Drive Innovation Place
Saskatoon, SK S7N 3R3
Toll Free: 1(877)-978-1777

Phone:1(360)-978-1777 Fax:1(360)-978-4140

<http://www.westernag.ca>