

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month January 2015

	Temperatures		Precip.	Sky	Wind	Snow Fall Inches	Number of Days
	Max.	Min.					
1	22	-8	0.05	CL	NW	1	
2	28	1	0.15	CL	SW	3	
3	27	-17		CL	NW		
4	-11	-20		C	NW		
5	-1	-13		C	SW		14
6	4	-16		CL	NW		
7	5	-15		C	W		1
8	7	-7	0.06	CL	SW	1	
9	5	-12		C	W		16
10	2	-10		C	SW		
11	10	-20		C	SW		
12	-1	-20		C	NW		
13	10	-10		C	S		
14	28	6	0.01	CL	S	0.1	
15	27	6		CL	S		
16	34	20		CL	SE		
17	30	14	0.03	PCL	N	1	
18	37	21		C	S		
19	27	25		CL	W		
20	31	13		CL	N		
21	25	2		CL	N		
22	35	18	0.01	C	S		
23	42	25		C	SW		
24	33	20		C	S		
25	27	18		C	N		
26	38	18		CL	N		
27	34	24		CL	S		
28	35	10	T	CL	S		
29	13	2		CL	NW		
30	29	3		CL	SW		
31	17	-13		C	NW		

Recorded by:
James Cameron
Research Plot Coordinator
NW Research & Outreach Center
University of Minnesota
Crookston, Mn. 56716

6.1 total snow

High Temperature for the Month 42 on January 23

Low Temperature for the Month -20 on January 4,11,12

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
January	Avg. Temperature (F)	11.5	-0.7	6.6	4.8
January	Precipitation (Inches)	0.31	0.90	0.50	0.55

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month February 2015

	Temperatures		Precip.	Sky	Wind	Snow Fall Inches		Number of Days
	Max.	Min.						
1	-1	-7		C	NW			
2	18	-2		C	S			
3	12	-6		PCL	W			
4	7	-3		C	NW			
5	32	5		PCL	S		C - Clear	<u>16</u>
6	25	23	T	PCL	NW	T	PCL - P.Cloudy	<u>4</u>
7	34	11		PCL	E			
8	16	6		CL	N			
9	27	7		CL	W		CL - Cloudy	<u>8</u>
10	27	-3	0.16	CL	E	3		
11	5	-20		C	NW			
12	16	-15		C	SE			
13	14	-16		CL	NW			
14	-3	-14		C	NW			
15	11	-5	0.01	CL	S	0.5		
16	14	-12		CL	NW			
17	3	-20		CL	NW			
18	-4	-28		C	NW			
19	17	-12	T	C	S	snow	Recorded by:	
20	22	-10		CL	W		James Cameron	
21	2	-25		C	NW		Research Plot Coordinator	
22	4	-20		C	N		NW Research & Outreach Center	
23	29	-10	T	C	SW		University of Minnesota	
24	15	-3		C	N		Crookston, Mn. 56716	
25	5	-17		C	NW			
26	8	-19		C	NW			
27	17	-11		C	S			
28	25	1		C	S			
total						3.5		

High Temperature for the Month 34 on February 7

Low Temperature for the Month -28 on February 18

	2015	2014	30 Yr. Avg.	125 Yr. Avg.
February Avg. Temperature (F)	3.1	-0.4	9.4	8.9
February Precipitation (Inches)	0.17	0.22	0.49	0.52
Jan-Feb. Precipitation (Inches)	0.48	1.12	0.99	1.10

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month March 2015

	Temperatures		Precip.	Sky	Wind	Snow
	Max.	Min.				Fall
						Inches
1	19	-8		PCL	N	
2	27	-1		C	S	
3	15	-11		CL	NW	
4	1	-12		C	NW	
5	23	-10		C	S	
6	36	11		C	N	
7	35	22		C	W	
8	47	23		C	W	
9	55	34		C	N	
10	52	27		C	W	
11	55	33		PCL	W	
12	60	33		PCL	S	
13	48	22		C	W	
14	62	25		C	W	
15	70	45		C	S	
16	46	18	0.01	CL	NW	rain
17	46	19		C	NW	
18	49	27		CL	S	
19	46	27	0.03	CL	E	0.25
20	32	15	0.07	CL	NW	2
21	25	8		PCL	NW	
22	38	25		C	E	
23	35	28	T	CL	S	snow
24	45	28		CL	SE	
25	37	19	0.06	PCL	NW	1
26	32	8		CL	NW	
27	35	15		C	S	
28	54	25		C	S	
29	53	34		C	NW	rain
30	50	32		CL	S	
31	60	35		C	W	

Number of Days

C - Clear	<u>17</u>
PCL - P.Cloudy	<u>5</u>
CL - Cloudy	<u>9</u>

Recorded by:
James Cameron
Research Plot Coordinator
NW Research & Outreach Center
University of Minnesota
Crookston, Mn. 56716

total 3.3

High Temperature for the Month 70 on March 15

Low Temperature for the Month -12 on March 4

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
March	Avg. Temperature (F)	30.4	17.6	25.8	23.9
March	Precipitation (Inches)	0.17	0.85	0.86	0.91
Jan-Mar.	Precipitation (Inches)	0.65	1.97	1.85	2.01

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month April 2015

	Temperatures		Precip.	Sky	Wind	snow
	Max.	Min.				
1	70	34		C	S	
2	50	11		C	SW	
3	34	12		C	S	
4	43	22		C	W	
5	39	21		CL	NW	
6	44	28		C	E	
7	42	30	0.11	CL	E	
8	45	29		CL	E	
9	60	28		C	S	
10	57	28		C	NW	
11	76	45		C	S	
12	71	36		C	S	
13	60	24		PCL	NW	
14	75	22		C	S	
15	76	48		C	S	
16	66	25		C	S	
17	76	30		C	S	
18	70	42		C	E	
19	48	30	0.31	CL	S	
20	36	29	0.05	CL	NW	
21	42	22		PCL	NW	
22	46	18		C	NW	
23	51	33		C	S	
24	54	40		CL	E	
25	65	39		PCL	N	
26	68	40		C	S	
27	72	33		C	N	
28	67	37	0.10	C	N	
29	74	29		C	S	
30	79	45		C	S	

Number of Days

C - Clear	<u>21</u>
PCL - P.Cloudy	<u>3</u>
CL - Cloudy	<u>6</u>

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Crookston, Mn. 56716

total 0.0

High Temperature for the Month

79 on April 30

Low Temperature for the Month

11 on April 2

	2015	2014	30 Yr. Avg.	125 Yr. Avg.
April Avg. Temperature (F)	44.4	37.3	42.6	41.6
April Precipitation (Inches)	0.57	2.39	1.27	1.47
Jan-Apr. Precipitation (Inches)	1.22	4.36	3.12	3.48

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month May 2015

	Temperatures		Precip.	Sky	Wind
	Max.	Min.			
1	75	45	0.05	C	N
2	85	35		C	S
3	76	46		PCL	Wind
4	70	36		C	E
5	79	54		C	S
6	66	60	0.04	CL	S
7	68	35	0.08	CL	S
8	40	28		CL	N
9	53	27		PLC	NW
10	45	35	0.25	CL	N
11	42	31	0.75	CL	NW
12	55	35		C	NW
13	56	35	0.05	CL	SE
14	57	30	0.28	CL	SE
15	65	44	0.07	CL	N
16	73	50		CL	E
17	41	31	0.40	CL	N
18	41	28	0.28	CL	NW
19	57	30		C	N
20	72	41		C	S
21	69	37		C	NE
22	77	41		C	S
23	75	43		C	S
24	70	46		C	S
25	73	45		C	N
26	82	55		C	S
27	79	57		PCL	N
28	81	45	0.31	PCL	SE
29	56	31		CL	NW
30	61	38		C	NE
31	68	42		C	SE

Number of Days

C - Clear 15

PCL - P.Cloudy 3

CL - Cloudy 12

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Crookston, Mn. 56716

High Temperature for the Month 85 on May 2

Low Temperature for the Month 27 on May 9

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
May	Avg. Temperature (F)	52.3	54.7	57.1	55.1
May	Precipitation (Inches)	2.56	2.64	2.96	2.77
Jan-May	Precipitation (Inches)	3.78	7.00	6.08	6.25

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month June 2015

	Temperatures		Precip.	Sky	Wind
	Max.	Min.			
1	73	49		CL	SE
2	71	57	0.54	CL	SE
3	65	52	1.44	CL	NE
4	76	55		C	NW
5	77	58		C	NE
6	72	53	0.18	CL	SE
7	81	55	0.80	PCL	N
8	85	58		CL	NW
9	87	52		PCL	NE
10	75	58		PCL	NW
11	81	54		PCL	S
12	82	61		C	S
13	81	48		C	S
14	73	48	0.16	PCL	N
15	68	40		C	N
16	63	45		C	S
17	75	49		C	S
18	69	49	0.02	CL	NW
19	82	51	0.10	C	SE
20	66	57		CL	N
21	80	53		PCL	S
22	66	57		PCL	S
23	75	49	0.41	CL	NE
24	83	60		C	SE
25	82	53		C	S
26	83	54		C	S
27	81	57	0.05	C	SE
28	82	55		C	NW
29	80	51		C	Wind
30	76	52		C	E

Number of Days

C - Clear 15

PCL - P.Cloudy 7

CL - Cloudy 8

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Crookston, Mn. 56716

High Temperature for the Month 87 on June 9

Low Temperature for the Month 40 on June 15

	2015	2014	30 Yr. Avg.	125 Yr. Avg.
June Avg. Temperature (F)	64.7	65.7	65.5	64.8
June Precipitation (Inches)	3.70	6.8	3.74	3.70
Jan-June Precipitation (Inches)	7.48	13.8	9.82	9.95

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month July 2015

	Temperatures		Precip.	Sky	Wind
	Max.	Min.			
1	80	57		C	S
2	78	60		C	S
3	83	55		PCL	N
4	85	64		C	S
5	77	56	2.16	PCL	S
6	65	43		PCL	NW
7	73	54		C	NW
8	72	50	0.07	CL	S
9	81	57		C	S
10	86	63		C	S
11	86	65		PCL	S
12	70	64	0.60	C	E
13	85	65		CL	S
14	86	65		C	E
15	80	61	0.34	CL	S
16	78	60		C	S
17	73	61	0.30	CL	SW
18	84	55		CL	NW
19	73	57		C	W
20	76	58		C	NW
21	79	61		C	N
22	85	66		PCL	SE
23	87	62		C	SW
24	84	63	1.26	PCL	NW
25	85	62		C	N
26	84	64		C	SE
27	87	69	0.23	PCL	S
28	78	63		CL	SW
29	82	57		CL	W
30	81	54		C	N
31	82	56		C	NE

Number of Days

C - Clear 17

PCL - P.Cloudy 7

CL - Cloudy 7

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High Temperature for the Month 87 on July 23 & 27

Low Temperature for the Month 43 on July 6

	2015	2014	30 Yr. Avg.	125 Yr. Avg.
July Avg. Temperature (F)	69.9	67.2	70.6	69.9
July Precipitation (Inches)	4.96	2.17	3.08	2.84
Jan-July Precipitation (Inches)	12.44	15.97	12.90	12.79

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month August 2015

	Temperatures		Precip.	Sky	Wind
	Max.	Min.			
1	75	55		PCL	N
2	75	47		CL	E
3	78	48		C	N
4	78	51		C	SE
5	80	61		CL	SW
6	82	54		CL	NW
7	82	55		C	S
8	79	54		C	NE
9	82	52		C	S
10	83	48		C	SW
11	87	60		C	SW
12	93	61		PCL	NE
13	93	63		C	SE
14	91	73		C	SW
15	77	55		C	NW
16	71	50		C	NE
17	74	49		CL	NE
18	68	55		CL	NE
19	72	38		C	SE
20	78	52		CL	S
21	72	55		PCL	S
22	64	52		CL	S
23	68	48	1.10	CL	S
24	69	39		C	NW
25	72	41		PCL	S
26	77	49		C	S
27	80	58		CL	S
28	81	63		C	SE
29	80	64		CL	S
30	83	53		C	SW
31	88	52		C	S

Number of Days

C - Clear	<u>17</u>
PCL - P.Cloudy	<u>4</u>
CL - Cloudy	<u>10</u>

Recorded by:
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High Temperature for the Month 93 on August 13

Low Temperature for the Month 38 on August 19

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
August	Avg. Temperature (F)	65.9	67.7	67.3	67.7
August	Precipitation (Inches)	1.1	1.65	2.94	2.66
Jan-Aug.	Precipitation (Inches)	13.54	17.62	15.84	15.45

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month September 2015

	Temperatures		Precip.	Sky	Wind
	Max.	Min.			
1	83	53		C	NE
2	88	52		C	N
3	90	64		C	S
4	91	49		C	SW
5	92	70		C	SE
6	81	66	0.09	PCL	S
7	75	54	0.10	CL	NE
8	70	46	0.05	CL	N
9	72	47		C	NW
10	73	41		C	N
11	68	39		PCL	N
12	60	41		C	N
13	75	39		C	S
14	84	54		C	SE
15	75	50		C	N
16	76	51		C	S
17	85	62		CL	NW
18	76	51	0.03	CL	NW
19	70	36		C	N
20	79	41		C	SE
21	75	52		C	N
22	90	55		C	S
23	91	43		PCL	N
24	62	44		CL	NE
25	63	52		CL	SW
26	75	53		CL	S
27	82	61		C	SE
28	75	52		C	W
29	61	29		CL	NW
30	64	26		C	SE

Number of Days

C - Clear	<u>19</u>
PCL - P.Cloudy	<u>3</u>
CL - Cloudy	<u>8</u>

Recorded by:
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High Temperature for the Month 92 on September 5

Low Temperature for the Month 26 on September 30

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
September	Avg. Temperature (F)	62.9	58.1	56.8	57.4
September	Precipitation (Inches)	0.27	2.15	2.43	2.30
Jan-Sept.	Precipitation (Inches)	13.81	19.77	18.27	17.75

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month October 2015

	Temperatures		Precip.	Sky	Wind
	Max.	Min.			
1	68	48		C	SE
2	64	41		PCL	N
3	71	31		PCL	SW
4	64	45		CL	S
5	60	47		PCL	NE
6	63	38		CL	NW
7	60	24		C	N
8	62	31	0.23	CL	SW
9	54	30		CL	N
10	61	34		CL	S
11	84	38		C	S
12	88	46	0.11	CL	SE
13	48	33		C	NW
14	59	35		C	W
15	66	39		C	SW
16	53	23		CL	N
17	54	25		CL	NW
18	68	36		PCL	SE
19	70	43		CL	S
20	70	42		CL	NE
21	67	43		CL	NW
22	60	30		C	SE
23	64	31	0.38	CL	S
24	57	32	0.42	CL	SW
25	50	30		PCL	S
26	54	32		C	SE
27	54	33		CL	S
28	59	35	0.13	CL	NE
29	57	31	0.15	CL	NW
30	50	34		PCL	SE
31	51	39		PCL	N

Number of Days

C - Clear	<u>8</u>
PCL - P.Cloudy	<u>7</u>
CL - Cloudy	<u>16</u>

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High Temperature for the Month 88 on October 12

Low Temperature for the Month 23 on October 16

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
October	Avg. Temperature (F)	48.5	45.3	43.4	44.9
October	Precipitation (Inches)	1.42	0.98	1.87	1.70
Jan-Oct.	Precipitation (Inches)	15.23	20.75	20.14	19.45

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month November 2015

	Temperatures		Precip.	Sky	Wind	Snow Fall Inches	Number of Days	
	Max.	Min.						
1	52	36	0.10	PCL	S			
2	55	30		CL	NE			
3	54	37		CL	E			
4	52	43		CL	NE			
5	43	32	0.35	CL	W	0.5	C - Clear	<u>6</u>
6	43	31		PCL	W			
7	45	28		PCL	SW		PCL - P.Cloudy	<u>8</u>
8	54	34		C	S			
9	55	30		PCL	SW		CL - Cloudy	<u>16</u>
10	48	36		CL	NE			
11	36	30		CL	NE			
12	34	28	0.06	CL	N	0.6		
13	43	25		PCL	E			
14	54	34		C	SE			
15	64	32		CL	S			
16	55	45		CL	NE			
17	48	36	0.30	CL	NE			
18	41	28	0.10	CL	NW			
19	27	19	0.03	C	NW	0.5	Recorded by: Chris Olson Research Plot Coordinator NW Research & Outreach Center University of Minnesota Crookston, Mn. 56716	
20	19	10		CL	SE			
21	25	5		PCL	N			
22	34	7		C	NW			
23	36	27		PCL	SE			
24	41	28		CL	N			
25	36	21		C	NW			
26	19	9		CL	N			
27	27	5		CL	NW			
28	34	14		PCL	SW			
29	37	12		C	S			
30	39	25	0.11	CL	SE	1.9		

High Temperature for the Month 64 on November 15

Low Temperature for the Month 5 on November 27

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
November	Avg. Temperature (F)	33.8	19.5	24.4	26.5
November	Precipitation (Inches)	1.05	0.24	0.86	0.70
Jan-Nov.	Precipitation (Inches)	16.28	20.99	21.00	20.15

NW RESEARCH & OUTREACH CENTER, CROOKSTON, MN.

Month December 2015

Snow
Fall
Inches

	Temperatures		Precip.	Sky	Wind	
	Max.	Min.				
1	40	28		CL	NE	0.3
2	34	13		CL	NW	
3	28	10		PCL	SE	Number of Days
4	39	15		PCL	S	
5	35	23		CL	S	C - Clear <u>7</u>
6	36	19		C	SW	PCL - P.Cloudy <u>5</u>
7	36	30		C	SW	
8	33	23		PCL	SE	CL - Cloudy <u>19</u>
9	39	25		C	S	
10	35	29	0.12	PCL	SE	1.4
11	31	28	0.10	CL	NE	
12	29	24		CL	N	5
13	34	26		C	SW	
14	32	27		C	SW	Recorded by: Chris Olson Research Plot Coordinator NW Research & Outreach Center University of Minnesota Crookston, Mn. 56716
15	27	23		CL	SE	
16	24	17	0.33	CL	N	2
17	23	12		CL	NW	
18	13	0		CL	NW	
19	19	1		CL	NW	
20	21	18		CL	N	
21	20	17		CL	N	
22	34	20	0.15	CL	SE	
23	32	16		CL	SW	
24	15	0		CL	N	
25	24	7		C	SW	
26	8	-8		CL	N	
27	0	-9		CL	N	
28	16	-5		PCL	SW	
29	18	12		CL	SW	
30	15	10		CL	W	
31	19	3		C	NE	

total 8.7

High Temperature for the Month 40 on December 01

Low Temperature for the Month -9 on December 27

		2015	2014	30 Yr. Avg.	125 Yr. Avg.
December	Avg. Temperature (F)	20.4	17.8	11.2	11.7
December	Precipitation (Inches)	0.7	0.26	0.62	0.57
Jan-Dec.	Precipitation (Inches)	16.98	21.25	21.62	20.72