

Without GP plots

plots with flowering

	16	16	14	14	15	14	15	15	16	16	16
N	6	14	14	14	15	13	13	15	16	13	14
mean	38.3	31.3	46.7	42.9	44.9	26.2	40.4	46.7	46.3	34.538	36.6
s.d.	3.4	6.1	5.6	4.1	3.9	6.4	3.3	4.3	5.7	3.1785	3.5
c.v.	9.0	19.6	12.0	9.6	8.7	24.4	8.1	9.3	12.3	9.2026	9.6

WM plots

N	2	8	7	6	7	7	7	8	8	8	8
mean	36.5	33.3	48.1	45.0	47.6	29.1	41.0	48.3	49.5	35.5	37.5
Jdate		153.3	168.1	165.0	167.6	149.1	161.0	168.3	169.5	155.5	157.5

RM plots

N	4	6	7	8	8	6	6	7	8	5	6
mean	39.3	28.7	45.3	41.3	42.5	22.7	39.7	44.9	43.1	33	35.3
Jdate	159	148.7	165.3	161.3	162.5	142.7	159.7	164.9	163.1	153.0	155.3

GP plots

N										0	1
mean											30
Jdate											150

difference between RM and WM

	3	1		2	2	3	1	2	3	2	1
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days between snowmelt in RM7 and first flower

If the same peak number of flowers occurred on multiple days, the first date is shown here, but there are comments attached

	Date of peak number of flowers				Date of peak number of flowers							
WM-1	6/3	6/30			6/19	6/1	6/16	6/22	6/23	6/9	6/18	
WM-2	6/3	6/24	6/7		6/22	6/19	6/1	6/14	6/22	6/23	6/9	6/12
WM-3	6/3	6/24			6/22	6/19	5/30	6/16	6/19	6/21	6/9	6/10
WM-4	6/3	6/24	6/7	6/15	6/22	6/21	6/3	6/14	6/24	6/21	6/9	6/14
WM-5	6/8	6/24			6/22	6/19	5/30	6/18	6/19	6/23	6/7	6/10
W-M 1	6/3	6/22							6/27	6/25	6/9	6/16

GP-3
GP-4
GP-5

Without GP plots

N	13	16	14	4	0	4	14	15	14	15	15	16	16	16
sum	1341	1129	659	>501	>96	208	681	844	625	1035	993	898	982	942
mean	103.2	70.6	47.1	47.0		52.0	48.6	56.3	44.6	69.0	66.2	56.1	61.375	58.9
s.d.	163.7	58.8	34.8	36.9		51.3	49.5	67.7	51.7	52.0	54.0	40.0	46.237	43.6
c.v.	158.7	83.3	74.0	78.6		98.6	101.7	120.4	115.8	75.3	81.5	71.3	75.335	74.1

WM plots

N	7	8	7	3	0	4	6	7	7	7	8	8	8	8
sum	967	636	265	97	0	208	238	148	150	420	355	417	398	405
mean	120.9	79.5	37.9	12.1		26.0	29.8	18.5	18.8	52.5	44.4	52.1	49.75	50.6

RM plots

N	6	8	7	1	0	0	8	8	7	8	7	8	8	8
sum	374	493	394	91			443	696	475	615	638	481	584	537
mean	53.4	61.6	56.3	11.4			55.4	87.0	59.4	76.9	79.8	60.1	73	67.1

GP 1-2

N													2	2
sum													172	183
mean													86	91.5

WM and GP

	10
	570

WM + RM + GP1-2

	1154	1125
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Maximum number of inflorescences

Maximum numb

WM-1	?	6	1 >1	1?	>3		1	1	3	6	6	9	2	
WM-2	4	6	6	5	>3	9?	10	4	5	6	5	6	9	7
WM-3	47	36	7 >18	>5	>14		21	5	10	18	14	12	16	26
WM-4	4	7	4 >6	>1	2		1	4	2	3	1	4	5	9
WM-5	14	15	2 >3	>1	4		6	5	4	10	6	8	2	4

W-M 1	6	8	7	1		>2					1	4	2	2	
W-M 4	1	10	14	14	>11	15	9	6	13	11	11	11	8	10	
W-M 5	3	4		10	>2	3	3	2	2	1	7	2	7	2	
RM-7	>6	19	21	>10		>1		22	28	18	18	19	11	15	15
RM-9		4	4				1	3		1	3	3	3	3	3
RM-1	10	10	12	17		>3	>13	22	30	40	10	9	11	10	11
RM-2	11	23	18	>10				17	24	12	29	34	33	34	29
RM-6	3	3		1?			>1	2	4	4	3	?	2	3	4
RM-3	18	19	9	>11		?	>1	8	8	11	13	16	17	22	14
RM-5	2	4	2	>3				3	3	4	7	6	3	4	7
RM-4	9	3	6	2?		?	>1	3	8	12	11	12	3	7	6
GP-1														19	18
GP-2														7	9
GP-3															
GP-4															
GP-5															

Without GP plots

N	13	16	14	5			14	15	14	15	15	16	16	16
sum	132	177	113	47			128	135	138	144	150	136	156	151
mean	10.2	11.1	8.1	9.4			9.1	9.0	9.9	9.6	10.0	8.5	9.75	9.4
s.d.	12.2	9.2	6.1	6.5			8.0	9.7	10.1	7.7	8.5	7.9	8.5284	8.2
c.v.	120.0	83.0	75.7	69.2			88.0	108.3	102.4	80.3	84.9	92.7	87.471	86.6

WM plots

N	7	8	7	4	0	4	6	7	7	7	8	8	8	8
mean	11.3	11.5	5.9	7.5		6.0	8.3	3.9	5.3	7.4	6.4	6.6	7.25	7.8

RM plots

N	6	8	7	1	0	0	8	8	7	8	7	8	8	8
mean	8.8	10.6	10.3	17.0			9.8	13.5	14.4	11.5	14.1	10.4	12.25	11.1

Length of flowering period

Length of flowering period

WM-1		26	14	>13	>2	>8		5	5	17	11	16	13	17
WM-2	18	23	22	>13	>3	>13	17	9	17	11	15	12	15	13
WM-3		24	22	>13	>5	>13	19	15	21	23	24	21	25	28

WM-4		19	22	>13	>2	>13	13	13	13	21	28	17	19	23
WM-5		19	18	>13	>7	>16	19	30	21	30	19	23	19	25
W-M 1		14	22	>11		>5					15	8	15	19
W-M 4	8	24	22	>16	>9		25	19	21	19	17	23	19	19
W-M 5	24	28		>16	>11		17	9	7	5	?	10	13	13
RM-7	>6		30	>11	>2		22	15	>21	>21	26	21	>13	15
RM-9		17	11				10	13		14	16	12	15	11
RM-1	16	17	20	>9	>9	>8	27	21	23	24	25	22	22	17
RM-2	>17		22	>3			18	15	39	>17	19	28	>15	>21
RM-6				>3		>3	12	11	13	13		17	>19	21
RM-3	20	23	13	>11		>3	21	17	17	20	20	18	19	15
RM-5	9	17	13	>15			15	11	17	16	14	12	34	13
RM-4	18	17	15	>9		1	13	11	17	20	16	16	11	13
GP-1													17	20
GP-2													>15	>16
GP-3														
GP-4														
GP-5														

N	7	13	14	0	0	1	14	15	13	13	14	16	13	15
mean	16.1	20.6	19.0			1.0	17.7	14.3	17.8	17.9	18.9	17.3	18.385	17.5
s.d.	5.8	4.3	5.2				4.9	6.0	8.3	6.4	5.1	5.5	6.1174	5.0
c.v.	35.8	20.7	27.5				27.9	41.9	47.0	35.5	26.8	32.0	33.275	28.6

Total Snowfall in Gothic (cm)

1025 985 471 1381 1346 1538 646 1095 1278 1382 1087 1384

Snowpack Depth on 1 May (cm)

111.1 154.9 80 0 138 130 169 0 124 175 208 118 137

untain Biological Laboratory by David W. Inouye
 ity of Maryland.

Flowering	Date of first flowering													
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	33	<32	27		38									
	33	36	25		42	<27	45	<35		44	44			
	28	<32	23		36	<27	41	<35	57	36	38	29	40	30
	30	<32	25		38	<27	41	<35	57	36	42	32	40	<26
	26	26	21		34	<27	45	<35	55	35	38	29	40	30
	33	35				29								
	<33	<26	21		46						44	34	44	28
	26	26	27		38	<27		<35	73					32
	11	11	<13		<29	<15	<33	<35	46	23	22	21	23	9
		32			55									
	15	19	19		35	<15	43	<35	57	32	34	23	36	22
	13	17	<13		29	<15	41	<35	52	34	30	19	30	17
	15	22	19		35	<15	43	<35	52	30	30	19	32	17
	28	<32	25		37	<28	43	<35	59	36	40	30	40	23
	28	32	23		37	<28	45	<35	62	36	42	29	38	26
	28	32	25		39	<15	45	<35	65			32	42	26
	<32	<26	19		32	<27	43	<35	59	36	40	30	38	30
	<32	<32	23		34	<27	41	<35	52	35	36	30	40	30
in until 18 June (day 49)					plots not covered				plots not covered				38	23
plots not covered						plots not covered				plots not covered			40	27
	plots not covered						plots not covered				plots not covered		32	21
		plots not covered						plots not covered				plots not covered	plots not covered	plots not covered

6/4		5/29	6/19					6/20	6/12	6/13	5/27
6/6	5/31	5/31	6/9			7/20					6/27
5/23	5/21	5/21	6/6	6/10		6/21	5/31	6/3	6/1	6/1	5/16
	6/3		6/24								
5/26	6/3	5/29	6/12	6/23		7/8	6/6	6/17	5/30	6/13	5/31
5/23	5/25	5/21	6/4	6/12		6/26	6/2	6/7	peak # st	6/7	5/16
5/26	6/3	5/23	6/8	6/14		6/28	6/4	6/11	5/30	6/11	5/21
6/4	6/3	5/31	6/14	6/16		7/6	6/10	6/17	6/10	6/21	5/29
6/2	6/3	5/29	6/12	6/19		7/8	6/8	6/19	6/3	6/13	5/29
6/4	6/6	6/2	6/18	6/21		7/8			6/8	6/21	5/27
	6/6	5/23	6/13	6/19	6/6	7/8	6/10	6/13	6/10	6/16	5/31
	6/3	5/29	6/13	6/19		7/4	6/10	6/20	6/1	6/11	6/4
in until 18 June (day 49)			plots not covered			plots not covered				6/13	5/25
plots not covered			plots not covered			plots not covered				6/11	6/2
plots not covered			plots not covered			plots not covered				6/16	5/25

15	17	15	17	13	1	13	12	13	12	16	16
6/1/87	6/2/88	5/28/89	6/12/91	6/18/93	6/6/94	7/5/95	6/7/96	6/15/97	6/4/98	6/13/99	5/29/00
5.4	4.5	4.3	4.7	4.2		7.2	3.7	5.5	4.5	5.1	9.5
8	7	6	7	4	0	4	4	5	4	4	4
6/5/87	6/4/88	5/30/89	6/13/91	6/21/93		7/11/95	6/8/96	6/19/97	6/5/98	6/14/99	6/5/00
7	8	7	8	7		7	6	6	6	7	7
5/28/87	5/31/88	5/26/89	6/12/91	6/16/93		7/2/95	6/5/96	6/12/97	6/3/98	6/12/99	5/24/00
0	2	2	2	2	1	2	2	2	2	5	5

#DIV/0! 6/4/88 5/26/89 6/13/91 6/19/93 6/6/94 7/6/95 6/10/96 6/16/97 6/5/98 6/13/99 5/29/00

comments attached to the cell (see red triangle in upper right corner of the spreadsheet cell) listing the other date(s); these comments :
number of inflorescences **Date of peak number of inflorescences**

6/6	6/6	6/8	6/13									
6/4	6/6	5/31	6/19	6/23			6/12	6/19				
6/6	6/6	5/29	6/13	6/21	7/10	6/6	6/19	6/3	6/18	5/31		
6/4	6/6		6/13	6/23	7/18	6/6	6/17	6/8	6/16			
6/2	6/3	5/29	6/19	6/19	7/8	6/8	6/19	6/3	6/9	5/31		
6/4	6/6											
6/2		5/23	6/19				6/20	6/12	6/13	5/27		
6/6	5/31	5/31	6/11		7/20					7/2		
5/17	5/21	5/21	6/6	6/14	6/21	6/2	6/1	6/1	6/5	5/21		
	5/31		6/24									
5/26	6/3	5/29	6/12	6/23	7/8	6/6	6/17	6/1	6/11	5/31		
5/21	5/21	5/21	6/10	6/16	6/26	6/2	6/7	5/27	6/9	5/16		
5/23	6/3	5/23	6/6	6/12	6/24	6/4	6/17	5/30	6/11	5/21		
6/6	6/3	6/2	6/14	6/16	7/8	6/10	6/17	6/10	6/18	5/29		
6/2	6/3	5/29	6/14	6/25	7/8	6/12	6/19	6/3	6/13	5/29		
6/2	6/6	6/2	6/16	6/21	7/8			6/8	6/21	5/25		
	6/6	5/23	6/17	6/21	6/6	7/4	6/10	6/17	6/10	6/9	5/31	
	6/3	5/29	6/13	6/19		7/6	6/8	6/17	6/1	6/28	6/4	
in until 18 June (day 49)			plots not covered				plots not covered			6/13	5/25	
plots not covered			plots not covered				plots not covered			6/11	5/27	
plots not covered			plots not covered				plots not covered			6/16	5/25	

15	17	15	17	13	1	13	12	13	13	16	16
5/31/87	6/2/88	5/28/89	6/14/91	6/19/93	6/6/94	7/6/95	6/7/96	6/15/97	6/4/98	6/13/99	5/29/00
6.5	5.1	5.1	4.7	3.9		8.4	3.5	5.5	4.9	5.6	10.2

8	7	6	7	4	0	4	4	5	4	4	4
6/4/87	6/4/88	5/30/89	6/15/91	6/21/93		7/14/95	6/8/96	6/18/97	6/6/98	6/14/99	6/7/00

7	8	7	8	7	7	6	6	7	7	7
5/27/87	5/30/88	5/27/89	6/12/91	6/18/93	7/1/95	6/6/96	6/13/97	6/2/98	6/12/99	5/24/00

2	2	2	2	1	2	2	2	2	5	5
6/4/88	5/26/89	6/15/91	6/20/93	6/6/94	7/5/95	6/9/96	6/17/97	6/5/98	6/15/99	5/28/00

Number of Flowers

Maximum Number of Flowers

25	27	36	8									
13	13	10	16	10?	38	6?		1	10			
123	118	53	82	61?	78	80	66	48	10	30	11	4
58	111	>64	122	158?	110	49	24	10	48	58	5	15
15	35	52	124	49?	31	68?	52	78	89	45	4	2
22	9			1?								
54	45	42	7						6	6	2	6
7	5	11	21	9?		13?	4					3
50	27	61	78	6?	38	21?	48	86	329	101	226	66
	10		1									
58	118	110	118	35?	39	80	75	68	100	41	53	11
121	80	82	37	17?	44	>28	40	94	99	62	66	24
21	31	14	16	8?	9	>17	14	47	75	86	68	21
106	94	129	78	11?	72	83?	10	49	183	84	83	17
32	52	58	48	13?	28	40	13	38	136	78	60	45
48	53	48	36	9?	22	45	8			7	6	10
67	115	43	93	44?	39	38	22	36	55	53	47	14
29	107	101	141	133	228	216?	149	167	246	78	11	17

18 5
10 7
104 122

15	16	13		15		11	5	11	10	11	11	11	12
753	828	706		792	>564	509	>784	354	519	1085	598	584	224
50.2	51.8	54.3		52.8		46.3	58.8	32.2	51.9	98.6	54.4	53.1	18.7
38.4	40.1	35.9		44.2		29.1	19.6	25.1	30.7	94.4	31.8	65.2	19.1
76.5	77.5	66.2		83.6		62.9	33.4	78.1	59.1	95.7	58.5	122.9	102.4

8	8	6	0	7	0	4	2	4	4	5	4	4	5
317	363	268	0	380	288	257	216	146	137	163	139	22	30
39.6	45.4	29.1		54.3		64.3	25.8	36.5	34.3	32.6	34.8	5.5	3.8

7	8	7	0	8	0	7	3	7	6	6	7	7	7
436	465	502		412	0	252	165	208	382	922	459	562	194
62.3	58.1	71.7		51.5		36.0	23.6	29.7	63.7	153.7	65.6	80.3	24.3

2	2	2		2	1	2	1	2	2	2	2	2	2
96	222	144		234	133	267	254?	171	203	301	131	58	31
48	111	72		117	133	133.5	127?	85.5	101.5	150.5	65.5	29	15.5

849	1050	914		1026	421	776	381	525	722	1386	729	642	255
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Number of inflorescences

Maximum number of inflorescences

5	8	6		1									
4	2	3		5	3?	4	1?		1	1			
33	42?	13		17	18?	17	19	20	11	2	6	4	2
11	42?	>10		19	14?	11	11	6	3	5	8	2	3
6	12	8		22	8?	4	9?	15	17	11	8	1	1

2	1			1?									
9	19	7	1						1	1	1	2	
1	1	2	4	2?		1?	1					1	
10	5	14	16	3?	8	6?	10	15	28	25	23	15	
	2		1										
12	36?	20	20	11?	8	12	15	12	8	4	9	4	
23	18	15	10	5?	11	10	13	19	21	17	16	5	
3	11	2	3	2?	2	>3	3	8	12	15	22	5	
18	26	24	20	3?	8	16	3	9	20	15	16	14	
8	9	11	11	5?	6	8	5	8	18	17	13	9	
6	11	8	6	2?	5	10	1			1	1	2	
16	30	6	15	8?	7	12	4	7	9	10	6	4	
9	15	11	22	22	22	51?	33	45	30	9	1	6	
											5	1	
											2	2	
											22	24	

15	13	13	15	0	11	7	11	10	11	11	11	12	
151	194	133	156	77	84	105	92	103	127	117	108	63	
10.1	9.6	10.2	10.4		7.6	12.3	8.4	10.3	11.5	10.6	9.8	5.3	
8.7	7.8	6.8	7.9		4.2	3.9	6.6	5.8	9.2	7.7	8.6	4.9	
86.4	80.8	66.6	76.1		55.3	31.4	78.5	55.9	79.5	72.2	87.5	92.6	

8	6	6	7	0	4	2	4	4	5	4	4	5	
8.9	7.2	6.5	9.9		9.0	15.0	10.5	8.0	4.0	5.8	2.0	1.8	
7	7	7	8	0	7	5	7	6	6	7	7	7	
11.4	11.7	13.4	10.9		6.9	11.2	7.1	11.8	17.8	13.4	14.3	7.7	

ring period

Length of flowering period

15	15?	21	17										
9	8	15	17	>5	16	>3		2	8				
24	>15	21	21	>13	26	>16	25	17	21	25	17	5	

24	17	>3		30	>25	33	>24	35	25	17	22	17	15+
26	17	21		25	>19	16	>16	23	26	21	17	10	3
11	17				>1								
15	>23	25		15						15	20	13	9
20	10	9		21	>11			11					
29	28	>19		>21	>23	>28	>3	24	28	30	27	32	24
	15			5									
27	30	27		21	>21	18	>11	29	23	21	34	21	17
27	19	21?		23	>2	14	>3	18	13	22	21	23	14
27	17	9		17	>17	14	>7	18	17	25	23	21	16
18	13	21		19	>8	18	>9	13	13	17	28	17	15
16	11	21		15	>8	14	>7	12	15	10	21	17	9
	17	21		21	21?	14	>9	11			26	13	11
11	>26	38		29	>17	22	>16	19	15	12	22	19	7
17	22	23		29	>22	26	>20	36	30	27	18	24	15
												17	5
												10	13
												28	15
14	13	11	0	14	0	10	0	11	10	11	11	11	10
20.6	16.8	19.2		19.1		18.3		19.9	17.9	18.8	24.0	18.3	12.3
6.6	6.3	5.8		5.7		6.3		8.0	7.9	6.4	4.7	6.0	6.2
32.0	37.5	30.4		30.1		34.6		40.1	43.9	33.8	19.5	32.7	50.4
986	925	1095	954	1076	692	1469	954	1641	1200	1498	1171	1144	858
71	71	64	78	127	22	173	106	189	140	155	106	112	51

Date of first flowering

2001	2002	2003	leap year 2004	2005	2006	2007	N	mean	s.d.	c.v.
			20				13	38.2	10.1	26.4
				40	22	16	20	38.1	9.8	25.6
27	18	28	22	38	24	18	27	34.3	9.9	29.0
23	6	28	18	32	20	14	28	35.4	12.2	34.5
25	6	28	22	32	20	16	28	32.9	11.1	33.6
							9	39.8	8.7	21.8
							17	38.4	8.4	21.8
29	12	30	20				20	38.1	14.3	37.5
13	0	15	4	22	12	-4	20	20.3	13.7	67.6
							11	43.5	7.9	18.3
21	6	28	10	30	18	12	29	29.9	12.2	40.9
17	2	22	6	24	14	0	23	24.5	13.7	55.8
21	6	26	8	30	16	8	25	26.6	11.9	44.6
25	12	30	20	34	20	16	28	33.6	10.9	32.5
25	14	28	20	46	22	18	29	35.0	11.4	32.5
	18			38	24	18	24	36.8	11.4	30.9
25	16	32	22	44	26	18	17	31.8	11.0	34.5
27	20	32	22	36	22	16	16	31.0	9.3	29.9
25		34	18	30	20	12	8	25.0	8.6	34.5
27	16	32	25	40	28	16	9	27.9	8.7	31.1
23	10	28	18	32	18	12	9	21.6	8.0	37.1

plots not covered plots not covered plots not covered plots not covered plots not covered plots not covered

Without GP plots

10	11	10	11	16	16	16			
10	11	10	11	16	16	16	21.9	34.1	11.1
22.6	9.1	26.3	15.5	34.3	20.4	12.9		32.7	34.6
4.8	6.1	4.6	6.9	6.6	4.2	6.5		5.3	
21.2	67.0	17.4	44.9	19.3	20.7	50.4		20.0	
4	4	4	5	4	4	4			
26.0	10.5	28.5	20.4	35.5	21.5	16.0		35.0	
146.0	130.5	148.5	141.4	155.5	141.2	141.2			
6	7	6	6	7	7	7			
20.3	8.3	24.8	11.3	32.0	18.0	9.7		30.3	
140.3	128.3	144.8	131.3	152.0	138.0	129.7			
5	4	5	5	5	5	5			
25	16	32	21	36	23	15			
145	136	152	141	156	143	135			
2	1	1	4	2	2	3		2.2	
15	28?	20	32	33	34	34			

in the PDF version of the file.

Date of peak number of flowers

			5/21			
				6/9	5/24	5/20
5/29	5/22	5/30	5/24	6/7	5/26	5/23
5/29	5/18	6/1	5/27	6/9	5/24	5/20
5/29	5/16	6/3	5/27	6/9	5/28	5/20

5/31	5/14	6/3	5/24			
5/21	5/6	5/24	5/7	6/5	5/16	5/12
5/27	5/12	5/30	5/19	6/9	5/26	5/20
5/25	5/10	5/24	5/11	6/1	5/16	5/12
5/27	5/12	5/30	5/17	6/7	5/22	5/20
5/29	5/18	6/3	5/27	6/9	5/28	5/20
5/29	5/18	6/1	5/21	6/15	5/25	5/25
	5/20			6/15	5/24	5/27
5/31	5/22	6/7	5/27	6/15	5/28	5/20
5/29	5/20	6/3	5/24	6/7	5/24	5/20
5/29		6/3	5/21	6/9	5/26	5/20
5/31	5/20	6/3	5/27	6/15	6/3	5/20
5/29	5/18	6/3	5/27	6/9	5/26	5/20

15	15	15	16	16	16	16
5/28/01	5/16/02	5/31/03	5/21/04	6/9/05	5/24/06	5/19/07
2.6	4.7	3.8	6.0	3.9	4.4	3.8

4	4	4	5	4	4	4
5/29/01	5/17/02	6/1/03	5/24/04	6/8/05	5/25/06	5/20/07

6	7	6	6	7	7	7
5/26/01	5/13/02	5/29/03	5/17/04	6/8/05	5/22/06	5/19/07

5	4	5	5	5	5	5
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5/29/01 5/20/02 6/3/03 5/25/04 6/11/05 5/27/06 5/20/07

aren't displayed in the PDF version of the file.

Date of peak number of inflorescences

			5/21			
				6/9	5/24	5/20
5/29	5/22	5/30	5/21	6/7	5/26	5/23
5/29	5/16	6/1	5/24	6/11	6/1	5/20
5/29	5/16	6/1	5/24	6/9	5/28	5/20
5/31	5/14	6/3	5/21			
5/23	5/6	5/26	5/9	6/5	5/16	5/12
5/27	5/12	5/30	5/19	6/9	5/30	5/20
5/25	5/10	5/24	5/11	5/28	5/20	5/12
5/25	5/14	5/30	5/15	6/1	5/22	5/20
5/29	5/18	6/3	6/2	6/9	5/28	6/2
5/29	5/16	6/1	5/21	6/15	5/25	5/25
	5/20			6/15	6/1	5/27
5/31	5/20	6/3	5/27	6/15	5/28	5/20
6/2	5/20	6/3	5/24	6/13	5/30	5/16
5/27		6/3	5/24	6/9	5/26	5/18
5/31	5/20	6/5	5/31	6/15	6/3	5/20
5/27	5/18	6/3	5/27	6/17	5/28	5/20
15	15	15	16	16	16	16
5/28/01	5/16/02	5/31/03	10/5/04	6/9/05	5/26/06	5/20/07
2.7	4.4	3.3	374.8	5.5	4.7	5.1

4	4	4	5	4	4	4
5/29/01	5/17/02	6/1/03	8/3/05	6/9/05	5/27/06	5/20/07

6	7	6	6	7	7	7
5/26/01	5/13/02	5/29/03	5/18/04	6/7/05	5/24/06	5/21/07

5	4	5	5	5	5	5
5/29/01	5/19/02	6/3/03	5/26/04	6/13/05	5/29/06	5/18/07

Maximum Number of Flowers

							N	mean	s.d.	c.v.			
							13	14	23.3	16.4	70.3		
							4	7	21	21.5	12.5	58.3	
9	3	14	27		8	12	29	85.7	117.8	137.5			
56	15	91	238	127	54	108	31	55.8	49.6	88.9			
32	9	44	97	38	85	85	30	55.2	38.1	68.9			
							9	30.1	19.2	63.8			
							21	50.5	37.6	74.4			
4	3	64	17				22	13.3	13.9	104.7			
9	45			69	116	247	26	102.0	71.5	70.1			
							11	10.7	5.7	53.6			
52	34	31	102	79	166	144	31	91.3	53.3	58.4			
21	13	13	55	84	86	91	29	81.2	46.8	57.6			
20	16	12	30	24	24		26	26.3	20.5	77.7			
62	44	90	157	76	105	62	29	85.6	42.0	49.1			
34	12	49	32	3	25	19	30	38.4	25.5	66.6			
							2						
							12	14	18	25	36.3	26.3	72.5
52	15	27	67	19	11	22	21	51.0	34.4	67.4			
35	5	13	52	12	22	82	21	83.2	71.5	86.0			

6		2	16	19	47	33	8	18.3	15.3	83.9
37	27	13	24	19	4	33	9	19.3	11.7	60.5
211	90	220	372	145	242		8	188.3	93.5	49.7

Without GP plots

10	11	9	15	15	16	14	24.0	50.4	37.3	73.3
299	196	408	768	516	690	802				
29.9	17.8	45.3	86.6	48.7	63.5	69.4		55.2		
20.9	15.9	31.2	100.4	45.4	67.3	65.5		49.1		
70.0	89.1	68.8	115.9	93.3	106.0	94.3		86.3		

4	4	4	5	3	4	4				
101	30	213	392	169	154	221				
25.3	7.5	53.3	78.4	56.3	38.5	55.3		37.1		

6	7	5	5	7	7	6				
198	166	195	376	347	536	581				
33.0	23.7	39.0	75.2	49.6	76.6	96.8		60.1		

2	2	2	2	2	2	2				
87	20	40	119	31	33	104				
43.5	10	20	59.5	15.5	16.5	52				

3.63 5.10 7.76 6.53 7.26 53.47

386	216	448	887	547	723	906				
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Maximum number of inflorescences

							N	mean	s.d.	c.v.
1							14	4.0	2.9	72.1
				1	1	1	22	4.4	2.6	58.6
1	2	2	4		2	3	28	13.2	11.6	87.9
7	6	14	22	20	8		28	7.2	5.7	79.2
4	3	5	11	6	9	4	30	7.6	5.2	68.1

							10	3.4	2.7	78.7
							21	8.3	5.4	65.5
1	1	1	2				22	2.8	2.4	86.2
16	11	12		11	14		26	16.1	5.9	36.5
							11	2.5	1.1	44.3
7	6	5	12	10	22		29	13.0	7.9	60.6
6	6	4	11	15	14		29	17.2	8.6	50.2
5	5	3	6	4	4		26	5.4	4.7	86.7
9	10	14	22	10	15	7	30	14.4	5.6	39.1
7	3	20	8	1	4		29	7.3	4.9	66.7
	1			1	2		24	5.6	3.8	68.1
9	4	4	13	11	2	2	21	9.9	6.9	69.4
7	2	2	6	4	4	4	21	12.9	11.9	92.2
2		1	4	6	8	3	8	3.8	2.5	66.5
4	4	4	3	4	2	4	9	3.2	1.0	30.2
27	20	32	46	28	37		8	29.5	8.6	29.2

means:

Without GP plots

							23.7	8.3	5.1	65.5
10	11	10	10	10	11	4				
63	54	80	99	79	95	15				
6.3	4.9	8.0	9.9	7.9	8.6	3.8		8.9		
4.3	3.4	6.5	7.4	6.5	6.8	2.5		6.9		
68.2	68.4	80.8	74.9	81.9	79.1	66.7		78.0		

4	4	4	5	3	4	3				
3.3	3.0	5.5	8.0	9.0	5.0	2.7		6.9		
6	7	6	5	7	7	1				
8.3	6.0	9.7	11.8	7.4	10.7	7.0		11.0		

Length of flowering period

			21				13	15.2	6.0	39.1
				11	13	10	21	13.4	5.0	37.1
9	5	15	13		11	14	26	18.9	6.4	33.7

20	25	29	18	29	25	31	26	22.5	6.2	27.8
9	17	19	17	31	21	22	28	20.1	6.2	30.8
							8	15.1	4.4	29.0
							18	18.2	5.0	27.4
7	7	11	19				18	13.4	6.6	49.2
23	27	20		25	19	40	20	25.3	5.9	23.3
							11	12.6	3.4	26.8
19	25	15	27	29	25	24	29	23.0	4.7	20.3
15	25	19	23	25	19	30	23	21.3	6.0	28.3
13	17	17	21	19	15	22	24	17.3	4.5	25.9
13	19	15	21	21	17	29	29	18.3	4.0	22.0
11	17	15	17	2	9	16	29	14.4	5.4	37.6
	11			17	13	23	24	15.3	5.1	33.5
13	15	19	21	11	9	20	19	17.8	7.3	40.8
11	9	11	17	19	19	22	18	20.8	7.2	34.4
11			15	23	17	20	7	15.4	5.9	38.5
13	13	13	20	15	17	25	9	15.4	4.6	29.7
28	25	21	33	31	23	29	9	25.9	5.6	21.5
10	11	10	10	15	16	11	21.7	17.8	5.3	30.7
13.9	17.7	17.5	19.7	20.5	17.0	23.7		17.7		
5.3	7.6	4.8	3.8	8.4	5.1	8.6		6.1		
38.1	42.6	27.6	19.4	40.8	30.1	36.1		33.7		
928	653	991	1016	1210	981	873				
56	0	86	56	117	64	3				

earliest	latest
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20	55
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16	51
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18	57
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6	57
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6	55
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29	55
----	----

21	48
----	----

12	73
----	----

-4	46
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31	55
----	----

6	57
---	----

0	52
---	----

6	52
---	----

12	59
----	----

14	62
----	----

18	65
----	----

16	59
----	----

16	52
----	----

12	38
----	----

16	40
----	----

10	32
----	----

13.2	56.2
9	58

16 May 5 July

17 May 11 July

13 May 2 July

16 May 6 July

17 May 14 July

13 May 1 July

min	max
3	47
1	43
3	625
5	238
2	165
9	64
2	127
2	64
9	329
1	19
11	256
13	197
6	86
10	183
3	136
2	97
11	126
5	246

2	47
4	37
90	372

5.1	167.3
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min	max
-----	-----

1	9
1	10
1	47
1	22
1	22

1	8
1	19
1	10
5	28
1	4
4	40
4	34
2	22
3	26
1	20
1	12
2	30
1	45
1	8
2	4
20	46

1.8	20.8
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shortest	longest
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5	26
2	23
5	28

13	35
3	31
8	22
8	25
5	28
15	40
5	17
15	34
13	39
9	27
13	29
2	34
1	26
7	38
9	36
5	23
10	25
15	33

7.6	29.0
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