

Appendices

Appendix I. Number of insect visits during the 10 min. observations for *Balsamorhiza deltoidea* in 2011 and 2012 at Webster Nursery and Johnson Prairie.

Plot#	Site	Year	# Inflorescences/plot	Sm Dark Bees	Large Dark Bee	Green Metallic Bees	Honey Bees	Bumblebees	Syrphids	Total # Visits
1	Websters Nursery	2011	11	0	1	0	0	0	0	1
2	Websters Nursery	2011	7	0	0	0	0	0	0	0
3	Websters Nursery	2011	17	0	0	0	19	0	0	19
4	Websters Nursery	2011	10	0	0	9	0	0	0	9
5	Websters Nursery	2011	3	0	0	0	0	0	0	0
6	Websters Nursery	2011	7	0	0	0	0	0	0	0
1	Johnson Prairie	2011	16	0	0	0	0	0	0	0
2	Johnson Prairie	2011	19	0	0	0	0	0	1	1
3	Johnson Prairie	2011	16	0	0	0	0	0	0	0
4	Johnson Prairie	2011	20	0	0	0	0	0	0	0
5	Johnson Prairie	2011	19	0	0	0	0	2	2	4
6	Johnson Prairie	2011	20	0	0	0	0	0	2	2
1	Websters Nursery	2012	7	0	0	0	0	5	0	5
2	Websters Nursery	2012	1	0	0	0	0	0	0	0
3	Websters Nursery	2012	5	0	0	0	0	4	0	4
4	Websters Nursery	2012	2	1	1	0	0	0	0	2
5	Websters Nursery	2012	5	1	0	0	0	0	0	1
6	Websters Nursery	2012	3	0	0	0	0	5	0	5
7	Websters Nursery	2012	7	0	0	0	0	2	0	2
8	Websters Nursery	2012	2	0	0	0	0	2	0	2
9	Websters Nursery	2012	11	1	0	0	0	0	0	1
10	Websters Nursery	2012	1	0	0	0	0	0	0	0
11	Websters Nursery	2012	4	0	0	0	0	1	0	1
12	Websters Nursery	2012	5	0	0	0	0	3	0	3
13	Websters Nursery	2012	5	0	0	0	0	2	0	2
14	Websters Nursery	2012	4	0	0	0	0	3	0	3
15	Websters Nursery	2012	5	0	0	0	0	10	0	10
16	Websters Nursery	2012	5	0	0	0	0	1	0	1
17	Websters Nursery	2012	7	0	0	0	0	0	0	0
18	Websters Nursery	2012	9	1	0	0	0	6	0	7
19	Websters Nursery	2012	9	0	0	0	0	6	0	6
20	Websters Nursery	2012	7	0	0	0	0	5	0	5
21	Websters Nursery	2012	3	0	0	0	0	1	0	1
22	Websters Nursery	2012	9	2	0	0	0	1	0	3
23	Websters Nursery	2012	7	1	0	0	0	2	0	3
24	Websters Nursery	2012	11	0	0	0	0	3	0	3
25	Websters Nursery	2012	2	0	0	0	0	0	0	0

Appendix I. (Continued)

Plot#	Site	Year	# Inflorescences/plot	Sm Dark Bees	Large Dark Bee	Green Metallic Bees	Honey Bees	Bumblebees	Syrphids	Total # Visits
26	Websters Nursery	2012	6	3	0	0	0	0	0	3
27	Websters Nursery	2012	8	2	0	1	0	0	0	3
28	Websters Nursery	2012	8	0	0	0	0	0	0	0
29	Websters Nursery	2012	15	1	0	1	0	0	0	2
30	Websters Nursery	2012	23	0	0	0	0	7	0	7
1	Johnson Prairie	2012	28	0	0	0	0	0	0	0
2	Johnson Prairie	2012	11	0	0	0	0	7	0	7
3	Johnson Prairie	2012	15	0	0	0	0	0	0	0
4	Johnson Prairie	2012	14	0	0	0	0	3	1	4
5	Johnson Prairie	2012	6	0	0	0	0	2	0	2
6	Johnson Prairie	2012	8	0	0	0	0	0	0	0
7	Johnson Prairie	2012	2	0	0	0	0	0	0	0
8	Johnson Prairie	2012	1	0	0	0	0	0	0	0
9	Johnson Prairie	2012	5	0	0	0	0	0	0	0
10	Johnson Prairie	2012	12	1	0	0	0	1	0	2
11	Johnson Prairie	2012	6	0	0	0	0	0	0	0
12	Johnson Prairie	2012	7	0	0	0	0	0	0	0
13	Johnson Prairie	2012	5	0	0	0	0	0	0	0
14	Johnson Prairie	2012	2	0	0	0	0	0	0	0
15	Johnson Prairie	2012	6	0	0	0	0	0	0	0
16	Johnson Prairie	2012	5	0	0	0	0	0	0	0
17	Johnson Prairie	2012	11	0	0	0	0	2	0	2
18	Johnson Prairie	2012	14	1	0	0	0	0	0	1
19	Johnson Prairie	2012	5	0	0	0	0	0	0	0
20	Johnson Prairie	2012	6	0	0	0	0	4	0	4
21	Johnson Prairie	2012	2	0	0	0	0	0	0	0
22	Johnson Prairie	2012	4	0	0	0	0	0	0	0
23	Johnson Prairie	2012	8	0	0	0	0	0	0	0
24	Johnson Prairie	2012	19	1	0	0	0	10	0	11
25	Johnson Prairie	2012	1	0	0	0	0	0	0	0
26	Johnson Prairie	2012	3	0	0	0	0	0	0	0
27	Johnson Prairie	2012	7	0	0	0	0	0	0	0
28	Johnson Prairie	2012	5	0	0	0	0	0	0	0
29	Johnson Prairie	2012	10	0	0	0	0	0	0	0
30	Johnson Prairie	2012	1	0	0	0	0	0	0	0

Appendix II. Number of insect visits during the 10 min. observations for *Lupinus albicaulis* in 2011 and 2012 at Webster Nursery and Johnson Prairie.

Plot#	Site	Year	# Inflorescences/plot	Sm Dark Bees	Large Dark Bee	Green Metallic Bees	Honey Bees	Bumblebees	Syrphids	Total # Visits
1	Websters Nursery	2011	95	0	4	0	0	23	0	27
2	Websters Nursery	2011	52	0	0	0	0	6	0	6
3	Websters Nursery	2011	68	0	0	0	0	2	0	2
4	Websters Nursery	2011	83	1	0	0	0	17	0	18
5	Websters Nursery	2011	57	0	0	0	0	6	0	6
6	Websters Nursery	2011	69	0	0	0	0	0	0	0
7	Websters Nursery	2011	53	0	2	0	0	32	0	34
8	Websters Nursery	2011	86	0	0	0	0	15	0	15
9	Websters Nursery	2011	154	0	0	0	0	91	0	91
10	Websters Nursery	2011	193	0	0	0	0	78	0	78
11	Websters Nursery	2011	246	2	0	0	0	31	0	33
12	Websters Nursery	2011	197	0	0	0	0	41	0	41
13	Websters Nursery	2011	207	0	0	0	0	100	0	100
14	Websters Nursery	2011	166	1	0	0	0	45	0	46
15	Websters Nursery	2011	196	0	0	0	0	82	0	82
16	Websters Nursery	2011	243	0	0	0	0	126	0	126
1	Johnson Prairie	2011	105	1	0	0	0	0	0	1
2	Johnson Prairie	2011	135	6	0	0	0	0	0	6
3	Johnson Prairie	2011	91	0	0	0	0	0	0	0
4	Johnson Prairie	2011	66	0	0	0	0	0	0	0
5	Johnson Prairie	2011	120	0	0	0	0	1	0	1
6	Johnson Prairie	2011	64	0	0	0	0	0	0	0
7	Johnson Prairie	2011	71	0	0	0	0	0	0	0
8	Johnson Prairie	2011	122	1	0	0	0	9	0	10
9	Johnson Prairie	2011	101	1	1	0	0	18	0	20
10	Johnson Prairie	2011	99	1	0	0	0	1	0	2
11	Johnson Prairie	2011	128	0	0	0	0	40	0	40
12	Johnson Prairie	2011	116	1	0	0	0	8	0	9
13	Johnson Prairie	2011	93	1	0	0	0	1	0	2
14	Johnson Prairie	2011	161	0	4	0	0	10	0	14
15	Johnson Prairie	2011	198	0	0	0	0	55	0	55

Appendix II. (Continued)

Plot#	Site	Year	# Inflorescences/plot	Sm Dark Bees	Large Dark Bee	Green Metallic Bees	Honey Bees	Bumblebees	Syrphids	Total # Visits
16	Johnson Prairie	2011	240	0	0	0	0	151	0	151
1	Websters Nursery	2012	50	0	0	0	0	0	0	0
1	Websters Nursery	2012	79	0	0	0	0	0	0	0
1	Websters Nursery	2012	163	0	0	0	0	102	0	102
2	Websters Nursery	2012	26	0	3	0	0	0	0	3
2	Websters Nursery	2012	49	0	0	0	0	0	0	0
2	Websters Nursery	2012	116	0	0	0	0	23	0	23
3	Websters Nursery	2012	42	0	0	0	0	0	0	0
3	Websters Nursery	2012	59	0	0	0	0	1	0	1
3	Websters Nursery	2012	59	0	0	0	0	0	0	0
4	Websters Nursery	2012	54	1	0	0	0	5	0	6
4	Websters Nursery	2012	75	0	0	0	0	10	0	10
4	Websters Nursery	2012	146	0	0	0	0	81	0	81
5	Websters Nursery	2012	33	0	0	0	0	2	0	2
5	Websters Nursery	2012	72	0	0	0	0	15	0	15
5	Websters Nursery	2012	72	0	0	0	0	0	0	0
6	Websters Nursery	2012	65	0	0	0	0	2	0	2
6	Websters Nursery	2012	102	0	0	0	0	0	0	0
6	Websters Nursery	2012	102	0	0	0	0	13	0	13
7	Websters Nursery	2012	62	0	0	0	0	12	0	12
7	Websters Nursery	2012	80	0	0	0	0	1	0	1
7	Websters Nursery	2012	178	0	0	0	0	103	0	103
8	Websters Nursery	2012	35	0	0	0	0	8	0	8
8	Websters Nursery	2012	33	0	0	0	0	11	0	11
8	Websters Nursery	2012	94	0	0	0	0	70	0	70
9	Websters Nursery	2012	38	2	6	0	0	1	0	9
9	Websters Nursery	2012	51	0	0	0	0	0	0	0
9	Websters Nursery	2012	51	0	0	0	0	1	0	1
10	Websters Nursery	2012	61	0	1	0	0	0	0	1
10	Websters Nursery	2012	68	0	0	0	0	20	0	20
10	Websters Nursery	2012	68	0	0	0	0	3	0	3
1	Johnson Prairie	2012	14	0	0	0	0	0	0	0

Appendix II. Continued

Plot#	Site	Year	# Inflorescences/plot	Sm Dark Bees	Large Dark Bee	Green Metallic Bees	Honey Bees	Bumblebees	Syrphids	Total # Visits
1	Johnson Prairie	2012	14	0	0	0	0	0	0	0
1	Johnson Prairie	2012	22	1	0	0	0	0	0	1
2	Johnson Prairie	2012	68	0	0	0	0	0	0	0
2	Johnson Prairie	2012	68	0	0	0	0	0	0	0
2	Johnson Prairie	2012	161	12	0	0	0	0	0	12
3	Johnson Prairie	2012	15	0	0	0	0	0	0	0
3	Johnson Prairie	2012	15	0	0	0	0	0	0	0
3	Johnson Prairie	2012	28	1	0	0	0	2	0	3
4	Johnson Prairie	2012	23	0	0	0	0	0	0	0
4	Johnson Prairie	2012	42	1	0	0	0	0	0	1
4	Johnson Prairie	2012	42	0	0	0	0	0	0	0
5	Johnson Prairie	2012	20	0	0	0	0	0	0	0
5	Johnson Prairie	2012	57	0	4	0	0	0	0	4
5	Johnson Prairie	2012	57	0	13	0	0	0	0	13
6	Johnson Prairie	2012	75	0	0	0	0	0	0	0
6	Johnson Prairie	2012	119	1	5	0	0	0	0	6
6	Johnson Prairie	2012	119	0	5	0	0	0	0	5
7	Johnson Prairie	2012	45	0	0	0	0	0	0	0
7	Johnson Prairie	2012	83	0	0	0	0	0	0	0
7	Johnson Prairie	2012	83	0	0	0	0	0	0	0
8	Johnson Prairie	2012	22	1	0	0	0	0	0	1
8	Johnson Prairie	2012	49	2	0	0	0	0	0	2
8	Johnson Prairie	2012	49	0	0	0	0	0	0	0
9	Johnson Prairie	2012	14	0	0	0	0	0	0	0
9	Johnson Prairie	2012	14	0	0	0	0	0	0	0
9	Johnson Prairie	2012	21	0	0	0	0	0	0	0
10	Johnson Prairie	2012	15	0	0	0	0	0	0	0
10	Johnson Prairie	2012	15	0	0	0	0	0	0	0
10	Johnson Prairie	2012	35	0	0	0	0	0	0	0

Appendix III. Number of plump *Balsamorhiza deltoidea* seeds per inflorescence for natural pollination and hand-cross-pollination treatments at Webster Nursery and Johnson Prairie in 2012. (Shriveled seeds discarded.)

Inflorescence #	Site	Treatment	# Seeds
1	Websters Nursery	Natural	90
2	Websters Nursery	Natural	72
3	Websters Nursery	Natural	73
4	Websters Nursery	Natural	145
5	Websters Nursery	Natural	108
6	Websters Nursery	Natural	86
7	Websters Nursery	Natural	24
8	Websters Nursery	Natural	78
9	Websters Nursery	Natural	95
10	Websters Nursery	Natural	54
11	Websters Nursery	Natural	50
12	Websters Nursery	Natural	62
13	Websters Nursery	Natural	78
14	Websters Nursery	Natural	27
1	Websters Nursery	HandCross	42
2	Websters Nursery	HandCross	52
3	Websters Nursery	HandCross	21
4	Websters Nursery	HandCross	127
5	Websters Nursery	HandCross	101
6	Websters Nursery	HandCross	33
7	Websters Nursery	HandCross	18
8	Websters Nursery	HandCross	27
9	Websters Nursery	HandCross	35
10	Websters Nursery	HandCross	53
11	Websters Nursery	HandCross	68
12	Websters Nursery	HandCross	48
13	Websters Nursery	HandCross	19
14	Websters Nursery	HandCross	42
1	Johnson Prairie	Natural	0
2	Johnson Prairie	Natural	1
3	Johnson Prairie	Natural	0
4	Johnson Prairie	Natural	0
5	Johnson Prairie	Natural	0
6	Johnson Prairie	Natural	0
7	Johnson Prairie	Natural	108
8	Johnson Prairie	Natural	78

Appendix III. (Continued)

Inflorescence #	Site	Treatment	# Seeds
9	Johnson Prairie	Natural	44
10	Johnson Prairie	Natural	0
11	Johnson Prairie	Natural	10
12	Johnson Prairie	Natural	17
1	Johnson Prairie	HandCross	0
2	Johnson Prairie	HandCross	4
3	Johnson Prairie	HandCross	2
4	Johnson Prairie	HandCross	0
5	Johnson Prairie	HandCross	52
6	Johnson Prairie	HandCross	54
7	Johnson Prairie	HandCross	55
8	Johnson Prairie	HandCross	56
9	Johnson Prairie	HandCross	96
10	Johnson Prairie	HandCross	14
11	Johnson Prairie	HandCross	13
12	Johnson Prairie	HandCross	17

Appendix IV. Number of *Lupinus albicaulis* seeds per inflorescence for natural pollination and hand-cross-pollination treatments at Webster Nursery and Johnson Prairie in 2012.

Inflorescence #	Site	Treatment	# Seeds
1	Websters Nursery	Natural	5
2	Websters Nursery	Natural	2
3	Websters Nursery	Natural	7
4	Websters Nursery	Natural	7
5	Websters Nursery	Natural	2
6	Websters Nursery	Natural	1
7	Websters Nursery	Natural	2
8	Websters Nursery	Natural	6
9	Websters Nursery	Natural	10
10	Websters Nursery	Natural	0
1	Websters Nursery	HandCross	7
2	Websters Nursery	HandCross	5
3	Websters Nursery	HandCross	4
4	Websters Nursery	HandCross	10
5	Websters Nursery	HandCross	5
6	Websters Nursery	HandCross	21
7	Websters Nursery	HandCross	17
8	Websters Nursery	HandCross	4
9	Websters Nursery	HandCross	1
10	Websters Nursery	HandCross	0
1	Johnson Prairie	Natural	12
2	Johnson Prairie	Natural	2
3	Johnson Prairie	Natural	0
4	Johnson Prairie	Natural	0
5	Johnson Prairie	Natural	0
6	Johnson Prairie	Natural	0
7	Johnson Prairie	Natural	0
8	Johnson Prairie	Natural	0
9	Johnson Prairie	Natural	0
10	Johnson Prairie	Natural	0
1	Johnson Prairie	HandCross	2
2	Johnson Prairie	HandCross	0
3	Johnson Prairie	HandCross	0
4	Johnson Prairie	HandCross	0
5	Johnson Prairie	HandCross	0
6	Johnson Prairie	HandCross	0

Appendix IV. (Continued)

Inflorescence #	Site	Treatment	# Seeds
7	Johnson Prairie	HandCross	0
8	Johnson Prairie	HandCross	0
9	Johnson Prairie	HandCross	0
10	Johnson Prairie	HandCross	0