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8/24/09

transect	row	position	Diptera	(Agromyzidae; Leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycidae (bumble)	Thomisidae (crab spider)	Spider other	Ladybug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	Other	Chekerspot butterfly	Pyralidae (Snout Moth)	Diacrobittaca undecimlineata (Cucumber beetle)	Orius (pirate bug)
	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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G

df

Date: 9/23/08

transect	row	position	Diptera (Agromyzidae; leafminers?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n.ssp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius calliphorus	Thomisidae (crab spider)	Lady Bug	Penatamondia e (stinkbug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Diaethroctea undecimpunctata	Cucumer beetle (Cucumber beetle)	Orius (pirate bug)	
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	3	4																	
	4	5																	
	5	6																	
	6	7																	
	7	8																	
	8	9																	
	9	10																	
			1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7

9pm  
8/23

18

2

2

transect	row	position	Diptera (Agromyzidae; e: leafminer?)	Braconid wasps	Halicus sp. (“3 part” native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycs californicus (bumble)	Thomisidae (crab spider)	LadyBug	spider other	Lygus hesperius (western tarnished plant bug)	Pentatomidae (stinkBug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dipteridae (Cucumber fly; etc.)	Orius (pirate bug)	
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	2																			
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			7																	
			8																	
			9																	
			10																	

8/23

8/24

8/25

5

1

5

more bees = less spiders?

22/9

Row

transect	position	Diptera (Agromyzidae; e: leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycinae (bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkBug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dialytellida (Cucumber beetle)	Orius (pirate bug)	
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Row

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15

2

8/22  
pm

transect	row	position	Diptera (Agromyzidae)	e: leafminer?)	Bracconid wasp	Halicitus sp. ("3 part" native bee)	Agapostemon	Osmia sp. (native bee)	Honey Bee	Bombycidae (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	other	checkerspot butterfly	Snow Moth (Pyralidae)	Diabrotica undecimpunctata (Cucumber Beetle)	Oritis (prairie bug)	
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8/



transect	row	position	Diptera	(Agromyzidae; e: leafminer?)	Braconid wasp	Halticus sp. ("3 pair", native bee)	Agapostemo n sp.	Osmia sp., (native bee)	Honey Bee	Bombyx calliomma	Thomisidae (crab spider)	LadyBug	Lygus hesperus (western tarantled plant bug)	Pentatomida e (stinkbug)	checkerspot butterfly	Pyralidae (Snowt Moth)	Dialictica undecimpun cta	Cucumbe r Beetle)	Orius (pirate bug)	
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4/2

4/2

5/2

transect	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
ROW	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
position																														
Diptera																														
(Agromyzidae;																														
(leafmimic?)																														
Brachonidae																														
wasps																														
Halicampus sp.																														
("3 part" native bee)																														
Agapostemon n sp.																														
("native bee")																														
Honey Bee																														
Osmia sp. ("native bee")																														
Bombycus californicus (bumble)																														
Thomisidae (crab spider)																														
ladyBug																														
Lytta hesperius (western tarantula hawk)																														
Pentatomidae (stinkBug)																														
checkerspot butterfly																														
Pyralidae (Snowt Moth)																														
Diabrotica undecimpunctata (Cucumber Beetle)																														
Oreus (pirate bug)																														

100  
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R

C

G

Very moist today (dew on leaves)

1/9 AM

transect	row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Position																					
Diptera																					
(Agromyzidae; e.g.: leafminers?)																					
Brachonid wasp																					
Halticus sp. ("3 part" native bee)																					
Agapostemon n sp. ("green" native bee)																					
Osmia sp. (native bee)																					
Honey Bee																					
Bombylius californicus (bumblebee)																					
Thomisidae (crab spider)																					
Lycus hesperius (western tarantled plant bug)																					
Spide other																					
LadyBug																					
Pentatomidae (stinkbug)																					
Penitamondia e (stinkbug)																					
Chekerespot butterfly																					
Pyralidae (Snow Moth)																					
Dlabrotica undecimpunctata (Cucumber Beetle)																					
Orius (Pirate Bug)																					

88

88

84



transect	row	position	Diptera (Agromyzidae; Brachonidae; leafminer?)	wasp	Halticus sp. ("3 part" native bee)	Panurgus sp. native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentamondia e (stinkbug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dipterida undecimpun cata	Cucumbe (Cucumber Beetle)	Orius (pirate bug)	
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47

47

47

pink

blue

yellow

transect	row	position	Diptera (Agromyzidae; leafminers?)	Bacconid wasps	Halticus sp. ("3 part" native bee)	Agapostemon n.s.p. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	Hesperus hesperius (western tarshished plant bug)	Pentamondia e (stinkbug)	other	cheekerspot buttefly	Pyralidae (Snowt Moth)	Diodontica undecimpun ctata	Cucumber beetle	Oritis (pirate bug)	
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transect	position	Diptera (Agromyzidae; leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon u sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombyx californicus (bumble)	Thomisidae (crab spider)	Lycus hesperius (western tarantled tarantula)	Penitamondia e (stinkbug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dialrotica undecimpunctata (Cucumber Beetle)	Orius (Pirata bug)	
row	1																
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84

transect	row	position	Diptera	(Agromyzidae)	leafminers?	Bracconid wasp	Halticus sp.	("3 part" native bee)	Agapostemon n sp.	Osmia sp.	Honey Bee	Bombycus californicus (bumblebee)	LadyBug	spider other	Thomisidae (crab spider)	Lygus hesperus (western tarnished plant bug)	Penatomonidae (stinkBug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dialictica undecimpunctata (Cucumber Beetle)	Orius (Pirate Bug)
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10/25/14

10/26/14

10/27/14

transect

row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
position																				
Diptera	-																			
(Agromyzidae;	-																			
leafminers?)																				
Bracnid wasp																				
Halticus sp.																				
("3 part" native bee)																				
Agapostemo n sp.																				
"green" native bee)																				
Osmia sp.																				
(native bee)																				
Honey Bee																				
Bombyx callifornicus (bumblebee)																				
Thomisidae (crab spider)																				
Lycus hesperius (western tarantled plant bug)																				
LadyBug																				
spider other																				
Pentatomidae (stinkBug)																				
checkerspot butterfly																				
Pyralidae (Snowt Moth)																				
Diabrotica undecimpunctata (Cucumber Beetle)																				
Orius (pirate bug)																				

86

87

88

transect	row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
position	Diptera (Agromyzidae; leafminer?)																				
Brachonid wasp																					
Hallictus sp. ("3 part", native bee)																					
Pencillibug																					
Agapostemon n sp. ("green", native bee)																					
Osmia sp. (native bee)																					
Honey Bee																					
Bombylius callitrichus (bumble)																					
Thomisidae (crab spider)																					
spider other																					
LadyBug																					
Lygus hesperius (western tarmitshed plant bug)																					
Penstemonidae e (stinkbug)																					
other		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
checkerspot butterfly																					
Pyralidae (Snow Moth)																					
Diabrotica undecimpunctata (Cucumber Beetle)																					
Orius (pirate bug)																					

16

transect	row	position	Diptera	(Agromyzidae: e.g. leafminers?)	Braconiid wasps	Halticus sp.	("3 part" native bee)	Agapostemon n sp.	"green" (native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus californicus (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	Checkerspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata (cucumber beetle)	Oritis (pirate bug)
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transect	row	position	Diptera	(Agromyzidae; leafminers?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Osmia sp. ("green" native bee)	Honey Bee	Bombycidae (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lycus hesperus (western tarantled plant bug)	Pentatomidae (stinkBug)	other	cheekerspot butterfly (Snowt Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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transect	row	position	Diptera (Agromyzidae; leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycinae (bumble)	Thomisidae (crab spider)	spider other	ladyBug	Lycus hesperus (western tarantled plant bug)	Penatamondia e (stinkBug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (cucumber beetle)	Orius (pirate bug)	
	1	1	2	3	2	3	2	1	1	2	3	1	2	3	1	2	3	1	2	3
	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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6/21/14

transect	row	position	Diptera (Agromyzidae; leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n.s.p.	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	Lygus hesperus (western tarantled plant bug)	Penitamondia e (stinkbug)	other checkerspot butterfly	Pyralidae (Snow Moth)	Dtabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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11/14

transect	row	position	Diptera (Agromyzidae; e: leafminers?)	Bacconid wasps	Haliplus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	Lycus hesperius (western tarantula hawk bug)	Pentatomidae (stinkbug)	Pyralidae (Cucumber caterpillar undecimlineata)	Dialictica (Beehive beetle)	Oreus (pirate bug)	
1	1		-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2		-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	4		-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	5		-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	6		-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	7		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	8		-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9		-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	10		-	-	-	-	-	-	-	-	-	-	-	-	-	-

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11/31/23

transect	row	position	Diptera	(Agromyzidae)	Brachonid wasp	Halticus sp. ("3 part" native bee)	Agapostemon sp.	Osmia sp. ("green" native bee)	Honey Bee	Bombycidae (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus	Western tarnished plant bug	Pentatomidae (stinkBug)	other	checkerbelt butterfly	Pyralidae (Snow Moth)	Dipteridae (Cucumber beetle)	Orius (pirate bug)
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transect	row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
position	Diptera	(Agromyzidae; leafminers?)										—	—	—	—	—	—	—	—	—	—
wasps	Braconid																				
Halticus sp.	("3 part" native bee)																				
Agapostemon	n sp. ("green" native bee)																				
Osmia sp.	(native bee)																				
Honey Bee																	—				
Bombylius	californicus (bumble)																				
Thomisidae	(crab spider)											—									
Lycus	hesperus (western plant bug)																				
LadyBug																					
spider other																					
Thomisidae	(crab spider)																				
Lycus	hesperus (western plant bug)																				
Pentatomidae (stinkbug)	e (stinkbug)																				
other		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chequerspot butterfly																					
Pyralidae (Snout Moth)																					
Dibrachidae (leafroller)																					
Cucumeridae (caterpillar)																					
Orius (pirate bug)																					

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7/31/09

transect	row	position	Diptera (Agromyzidae; leafflowerfly)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	Lygus hesperus western tarnished plant bug)	Pentatomidae (stinkbug)	other buterfly	Pyralidae (Snow Moth)	Dibrachia undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
X	1	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	2	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	3	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	5	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	6	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	7	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	8	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X	9	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
X			1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6

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13/11/2011

transect	row	position	Diptera (Agromyzidae; Brachonidae; leafminer?)	Wasps ("3 par"; native bee)	Halticus sp. ("3 par"; native bee)	Agapostemon n sp.	Smilia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	spider other	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	Other buterfly	Pyralidae (Snow Moth)	Dibrachica undecimpun ctata	Cucujidae (Beetle)	Orius (pirate bug)												
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	

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11/25/09

transect	row	position	Diptera (Agromyzidae; leafminers?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Osmia sp. ("green" native bee)	Honey Bee	Bombycinae (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lycus hesperus (western tarantula spider)	Pentatomidae (stinkbug)	checkerspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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transect	row	position	Diptera	(Agromyzidae)	Bracocid wasp	Halticus sp.	("3 part" native bee)	Agapostemo n sp.	Osmia sp. ("green" native bee)	Honey Bee	Bombylius	Calliphorilucus	Thomisidae (crab spider)	LadyBug	Pentatomidae (stinkbug)	other	checkerspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata	Cucurbita (Cucumber Beetle)	Orius (Pirate Bug)
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	6	7																			
	7	8																			
	8	9																			
	9	10																			
	10																				

80

S6

S

4/16/04

transsect	row	position	Diptera (Agromyzidae; e.g.: leafminers?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemo n.s.p.	Osmia sp. ("native bee")	Honey Bee	Bombycus californicus (bumblebee)	Thomisidae (crab spider)	Spider other	LadyBug	Lygus hesperus hesterius (western plant bug)	Pentatomidae e (stinkBug)	Other	Checkerspot buttefly	Pyralidae (Snout Moth)	Dialytellida undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
10	10																			



1/24/2024

transect	row	position	Diptera (Agromyzidae; leafminers?)	Bacconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius calliphorus (bumble)	Thomisidae (crab spider)	LadyBug	Lygus hesperus tarbinskii (western plant bug)	Pentatomida e (stinkBug)	other butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
1	1																	
1	2																	
1	3																	
1	4																	
1	5																	
1	6																	
1	7																	
1	8																	
1	9																	
1	10																	
2	1																	
2	2																	
2	3																	
2	4																	
2	5																	
2	6																	
2	7																	
2	8																	
2	9																	
2	10																	
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4	1																	
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4	4																	
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5	1																	
5	2																	
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84

84

84

Spiders are suspended and moving

transect	row	position	Diptera (Agromyzidae; leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemon n.sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	Lygus hesperius (western tarnished plant bug)	Pentatomidae (stinkbug)	Other	Cheekeperspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (prate bug)	
84	1	1																	
84	2	1																	
84	3	1																	
84	4	1																	
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84	6	1																	
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84	10	1																	
84	1	2																	
84	2	2																	
84	3	2																	
84	4	2																	
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84	10	2																	
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84	6	10																	
84	7	10																	
84	8	10																	
84	9	10																	
84	10	10																	

1/24 own sprouts

paper

84

84

84

Transect

Row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
position																				
Diptera (Agromyzidae; e.g. leafminers)																				
Braconid wasp	2																			
Halticus sp. ("3 part" native bee)																				
Agapostemon sp. ("green" native bee)																				
Osmia sp. (native bee)																				
Honey Bee																				
Bombylius californicus (bumble)																				
Thomisidae (crab spider)																				
LadyBug																				
Lygus hesperius (western tarnished plant bug)																				
Pentatomidae (stink Bug)																				
checkerspot butterfly																				
Pyralidae (Snow Moth)																				
Diabrotica undecimpunctata (Cucumber Beetle)																				
Orius (pirate bug)																				

AB

SC

C



11/23 2012

transect	position	Diptera (Agromyzidae; e.g.: leafminers?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Bombylius californicus (bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	other	Chekerespot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)				
transect	row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	1																				
1	2																				
1	3																				
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84

84

84

1/23

transect	row	position	Diplopidae (Agromyzidae e: leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	spider other	Lygus hesperius (western armished plant bug)	Pentatomidae (stinkbug)	checkerspot buttefly	Pyralidae (Snow Moth)	Dialictica undecimpunctata (cucumber beetle)	Orius (pirate bug)
4	1	10	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

48

5

54

Transect	Position	Diptera (Agromyzidae; leafminer?)	Bracocid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	LadyBug	Pentatomidae (stinkbug)	Checkerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (Pirate bug)																	
Transect	Row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	
1	1																															
2	1																															
3	1																															
4	1																															
5	1																															
6	1																															
7	1																															
8	1																															
9	1																															
10	1																															

LJ

S

C

7/22 2014

transect	row	position	Diptera (Agromyzidae; leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemon n.spp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus californicus (bumble)	Thomisidae (crab spider)	LadyBug	Lygus hesperius (western tarnished plant bug)	Penatomoidea e (stinkbug)	other	Chekerspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	6	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	7	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7	8	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	9	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	10	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1

26

27

28

7/22 2011

transect	position	Diplopidae (Agromyzidae etc.; leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Penicillibug	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	Ladybug	Pentatomidae (stinkbug)	Chrysopidae butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
Row	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Row	2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1

2

3

transect	position	Diptera (Agromyzidae e: leafminers?)	Bracconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo	Osmia sp. (native bee)	Honey Bee	Bombyx californicus (bumble)	Thomisidae (crab spider)	ladyBug	Penatemonida e (stinkBug)	Lygus hesperus (western tarnished plant bug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dlabrotica undecimpunctata (Cucumber Beetle)	Oritis (pirate bug)			
row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
peppers																				
row 1																				
row 2																				
row 3																				
row 4																				
row 5																				
row 6																				
row 7																				
row 8																				
row 9																				
row 10																				

52

58

62

122 mm

transect	position	Diptera (Agromyzidae; leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	PencillBug	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus callifloricus (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperius (western tarnished plant bug)	Pentatomidae e (stinkBug)	cheekerspot butterfly	Pyralidae (Snout Moth)	Dibrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)			
row	1	10	9	8	7	6	5	4	3	2	1	10	9	8	7	6	5	4	3	2	1
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

S

B

C

July 21 pm

Transect	Position	Diptera (Agromyzidae)	Bracconid wasps	Halticus sp. ("3-patt." native bee)	Penicillibug	Agapostemon (native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumblebee)	Thomisidae (crab spider)	Ladybug	Pentatomidae (stinkbug)	Other	Chekerspot butterfly	Pyralidae (Snout Moth)	Diadrotica undecimpunctata (Cucumber Beetle)	Orius (Prate Bug)	
Row	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

SF

SF

SF

transect	row	position	Diptera (Agromyzidae; leafminers?)	Braconid wasps	Halticus sp. ("3 part", native bee)	Penicillibug	Agapostemon n sp. ("green", native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus californicus (bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperius (western tarnished plant bug)	Penatomonidae (stinkbug)	other	checkerspot butterfly	Pyralidae (Snout Moth)	Dibrachica undecimpunctata (Cucumber Beetle)	Oribus (Pirate Bug)	
✓	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
✓	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
✓	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
✓	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
✓	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
✓	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
✓	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
✓	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
✓	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
✓	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

✓

✓

✓

2 July 21 am

transect	row	position	Diptera (Agromyzidae; Brachonidae; leafminer?)	wasps	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius callifornicus (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperius (western tarnished plant bug)	Pentatomidae (stinkBug)	other	checkerspot butterfly	Pyralidae (Snout Moth)	Dialerotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
	1	-																		
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57

July 21 2009 WILDS ARE UP

transect	row	position	Diptera (Agromyzidae; leafflower?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo n.spp. native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumblebee)	Thomisidae (crab spider)	spider other	Ladybug	Lygus hesperus western tarmitshed plant bug)	Pentatomidae (stinkbug)	other	Chekerespot buterfly	Pyralidae (Snout Moth)	Dialictica undecimpun ctata	Cucumbe r beetle)	Orius (pirate bug)
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D

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B

1/20 pm

transect	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	
position																															
Diptera (Agromyzidae; leafminers?)																															
Braconid wasps																															
Halticus sp. ("3 part" native bee)																															
Penicillibug																															
Agapostemon n sp. ("green" native bee)																															
Osmia sp. (native bee)																															
Honey Bee																															
Bombylius californicus (bumble)																															
Thomisidae (crab spider)																															
LadyBug																															
Lygus hesperus (western tarnished plant bug)																															
Pentatomidae (stinkbug)																															
Checkerspot butterfly																															
Pyralidae (Snow Moth)																															
Diabrotica undecimpunctata (Cucumber Beetle)																															
Orius (pirate bug)																															

28

24

28

transect	position	Diptera (Agromyzidae; leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus californicus (bumble)	Thomisidae (crab spider)	LadyBug	Pentatomida e (stinkBug)	checkerspot buttefly	Pyralidae (Snowt Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Oribus (pirate bug)	
row	1															
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Jack

transect	row	position	Diptera (Agromyzidae)	Bracoonid wasps	Halticus sp. ("3 part" native bee)	Agapostemon (green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius (bumble)	Thomisidae (crab spider)	ladyBug	Lyttaeus hesperus (western tarantula hawk bug)	Pentatomidae (stinkbug)	other	cheekerspot butterfly	Pyralidae (Snowy Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/20	1	1																	
	2	1																	
	3	1																	
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	10	1																	

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25

15

transsect	row	position	Diptera	(Agromyzidae; leafminers?)	Braconid wasp	Halicitus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	Other	Chekerespot butterfly	Pyralidae (Snout Moth)	Diaethria undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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54

WILDFLOWERS

transect	row	position	Diptera (Agromyzidae; leafminer?)	Braconid wasps	Halticus sp. ("3 part" native bee)	PencillBugs	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombyx californicus (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus western (western armyworm plant bug)	Penstemonidae e (stinkbug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (cucumber beetle)	Oritis (private bug)	
A	1	1																			
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✓ 11/2 pm

transect	row	position	Diptera (Agromyzidae; leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Osmia sp. (native bee)	Bombycus californicus (bumblebee)	Thomisidae (crab spider)	Spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Penatmonida e (stinkBug)	Other	Checkerspot buttefly	Pyralidae (Snow Moth)	Dipterida undecimpun cta	Cucumbe r beetle)	Orius (pirate bug)
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	8	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	9	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	10	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

88

88

88

transect	row	position	Diptera (Agromyzidae; leafflower?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemo n sp. ("green" native bee)	Osmia sp. ("native bee")	Honey Bee	Bombycus californicus (bumble)	Thomisidae (crab spider)	spider other	ladyBug	Lygus hesperus hesperus (western tarnished plant bug)	Pentatomida e (stinkBug)	chekerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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transect	position	Diptera (Agromyzidae; leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	ladyBug	Lycus hesperus hesperus (western tarantula plant bug)	Pentamondia e (stinkbug)	other	cheekerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Oreus (pirate bug)														
transect	row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
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transect	row	position	Diptera (Agromyzidae; leafminers?)	Bracconid wasps	Halticus sp. ("3 part" native bee)	Halictus sp. (native bee)	Penicillibug	Agapostemon n.sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumblebee)	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	other	Chekerspot butterfly	Pyralidae (Snout Moth)	Diacrotica undecimpunctata (Cucumber Beetle)	Oritis (private bug)	
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transect	row	position	Diptera (Agromyzidae; e: leafminers?)	Braconid wasp	Halticus sp. ("3-patt." native bee)	Agapostemon n.spp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycs californicus (bumblebee)	Thomisidae (crab spider)	Ladybug	Lygus hesperius (western tarantula plant bug)	Pentatomida e (stinkbug)	other	Chekerespot butterfly (Snow Moth)	Pyralidae (Snow Moth)	Dibrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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sample

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transect	row	position	Diptera (Agromyzidae e: leafminer?)	Brachonid wasps	Haliclus sp. ("3 part" native bee)	Agapostemo n sp.	Osmia sp. (native bee)	Honey Bee	Bombyx callifornicus (bumblebee)	Thomisidae (crab spider)	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomida e (stinkbug)	checkerspot butterfly	Pyraillidae (Snow Moth)	Dlabrolifica undecimlineata	Cucumeris catalpa	Beetle (Cukeumber Bug)	Oreus (pirate bug)	
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85

82

84

transect	row	position	Diptera (Agromyzidae; e: leafminer?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Halictus sp. native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumblebee)	Thomisidae (crab spider)	Lygus hesperus (western tarnished plant bug)	Pentatomida e (stinkbug)	other	cheekerspot butterfly	Pyralidae (Snow Moth)	Dialytica undecimpunctata	Cucumber Beetle)	Orius (pirate bug)	
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Tick

✓ 10 cm

transect	row	position	Diplopoda (Agromyzidae e: leptinere?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Penicillibug	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombyx calliommaeus (bumble)	Thomisidae (crab spider)	ladyBug	Lygus hesperus (western tarantined plant bug)	Penstomida e (stinkBug)	other	Chekerespot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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L-Tlik

110 cm

transect	row	position	Diptera (Agromyzidae; e: leafminers?)	Braconid wasp	Halticus sp. ("3 pair", native bee)	Penicillibug	Agapostemon u sp.	Osmia sp. (native bee)	Honey Bee	Bombyx californicus	Thomisidae (crab spider)	Lynxus hesperus	Pentamondia e (stinkbug)	LadyBug	spider other	Lygus hesperus	Western tarnished plant bug	Penitamondia e (stinkbug)	other	Checkerspot buttefly	Pyralidae (Snow Moth)	Dipterida (Cucumber beetle)	Oreus (pirate bug)	
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transect	row	position	Diptera (Agromyzidae)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo n.ssp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperius (western tarnished plant bug)	Pentatomidae e (stinkBug)	other	cheekerspot butterfly	Pyralidae (Snout Moth)	Dialyrotica undecimpunctata	Cucurbita Beeette)	Oritis (plate bug)
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transect	row	position	Diptera (Agromyzidae; e: leafminer?)	Braconid wasp	Halticus sp. ("3 par" native bee)	Agapostemon n.s.p. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycidae (bumblebee)	Thomisidae (crab spider)	Lycus	hesperus (western tarantula plant bug)	Pentatomidae (stinkbug)	other	checkerspot butterfly	Pyralidae (Snow Moth)	Dialytellida undecimpunctata	Cetonia (Cucumber Beetle)	Orius (pirate bug)	
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41

42

43

55

113 (no pm) site that bugs often appear  
and on the exterior part of trap

transect	row	position	Diptera	(Agromyzidae)	leafflower?	Brachonid wasp	Halticus sp.	("3 part" native bee)	Agapostemon n sp.	("green" native bee)	Osmia sp.	(native bee)	Bombylius californicus	LadyBug	Lygus hesperus	(western tarnished plant bug)	Pentamondia e (stinkbug)	other	Chekerespot butterfly	Snowt Moth	Pyralidae	Dialictica undecimpunctata	Cucumber beetle	Orius (pirate bug)
	1	1																						
	2	1																						
	3	1																						
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C

7/3 2011 (no fm)

transect	row	position	Diptera (Agromyzidae)	leafminer?	Brachonid wasp	Halticus sp. ("3 part" native bee)	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus californicus (bumblebee)	Thomisidae (card spider)	spider other	Lady Bug	Lygus hesperus (western tarnished plant bug)	Pentamondia e (stinkbug)	Other	Gallerespot butterfly	Snowt Moth (Pyralidae)	Cucumber beetle (Diabrotica undecimpunctata)	Oreus (pirate bug)	
47	1	1																			
47	2	2																			
47	3	3																			
47	4	4																			
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47	9	9																			
47	10	10																			
48	1	1																			
48	2	2																			
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48	7	7																			
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48	9	9																			
48	10	10																			

47

47

✓ 1/2 pm

transect	row	position	Diptera (Agromyzidae; leafminers?)	Braconid wasp	Halticus sp. ("3 part" native bee)	Penicillibug	Agapostemon n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycidae (californicus bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	Checkerspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
1	1	1																		
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8

6



transect	row	position	Diptera	(Agromyzidae; leafminer?)	Braconid wasp	Halticus sp. ("3-pair" native bee)	Osmia sp. ("native bee")	Honey Bee	Bombycus californicus (bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkBug)	other	checkerspot butterfly	Pyralidae (Snout Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Oritis (Pirate bug)	
1	1	1																		
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8

✓ 7/2 pm

transect	row	position	Diptera (Agromyzidae)	Brachonid wasp	Halticus sp. ("3 part" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycinae (bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkBug)	checkerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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transect	row	position	Diptera (Agromyzidae e: leafminers?)	Braconid wasps	Halticus sp. ("3 part" native bee)	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombylius californicus (bumble)	Thomisidae (crab spider)	Spider other	LadyBug	Lygus hesperus (western tarantula plant bug)	Pentatomida e (stinkbug)	other	Chekerspot buttefly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber Beetle)	Orius (pirate bug)	
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14

15

16

6/21 8pm

transect	row	position	Diptera (Agromyzidae; tearfly/midge?)	Bacchoniid wasp	Halticus sp. ("3 part" native bee)	Agapostemo n sp. ("green" native bee)	Osmia sp. (native bee)	Honey Bee	Bombycus calliphorus (bumble)	Thomisidae (crab spider)	Lygnus hesperus (western tarantula hawk)	Pentatomida e (stinkbug)	checkerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata (Cucumber beetle)	Orius (pirate bug)	
	1	1															
	2	1															
	3	1															
	4	2															
	5	2															
	6	3															
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	1	7															
	2	8															
	3	9															
	4	10															
	1	1															
	2	2															
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	6	5															
	7	6															
	8	7															
	9	8															
	10	9															



11

8

(6/27/09)

transect	row	position	Diptera	(Agromyzidae; Leptinidae)	Braconid wasp	Halticus sp. ("3 part" native bee)	Osmia sp. (native bee)	Bombycus californicus (bumblebee)	Thomisidae (crab spider)	spider other	LadyBug	Lygus hesperus (western tarnished plant bug)	Pentatomidae (stinkbug)	other	checkerspot butterfly	Pyralidae (Small Moth)	Dialictica undecimpunctata (cucumber beetle)	Orius (pirate bug)		
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
8	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
7	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
6	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
5	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
4	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
3	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
2	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10









WV 10m x 10m

transect	row	position	Diptera (Agromyzidae; leptinidae)	Braconid wasps	Agapostemon sp. (native bee)	Honey Bee	Bombycus calliphorus (bumble)	Thomisidae (crab spider)	LadyBug	Lygus hesperius (western tarnished plant bug)	Pentatomida (stinkbug)	checkerspot butterfly	Pyralidae (Snow Moth)	Diabrotica undecimpunctata	Cucurbita					
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

11/12

transect  
height (cm)  
row  
position  
Diptera (Agromyzidae;  
leaf miner?)  
Brachyidae;  
wasp  
Agapostemon sp. (native  
bee)  
Penicillibug  
aphid  
Osmia sp. (native bee)  
Honey Bee  
Bombus californicus (bumblebee)  
Thomisidae (crab spider)  
spider other  
Lady Bug  
Lygus hesperus  
(western tarnished plant bug)  
Penitamondia e (stinkbug)  
Plant bug  
(western tarnished plant bug)  
Pentatomidae (stinkbug)  
chekerspot butterfly  
Pyralidae (Snow Moth)  
Diabrotica undecimpunctata  
(Cucumber beetle)  
Parallelidae (Gucci number)

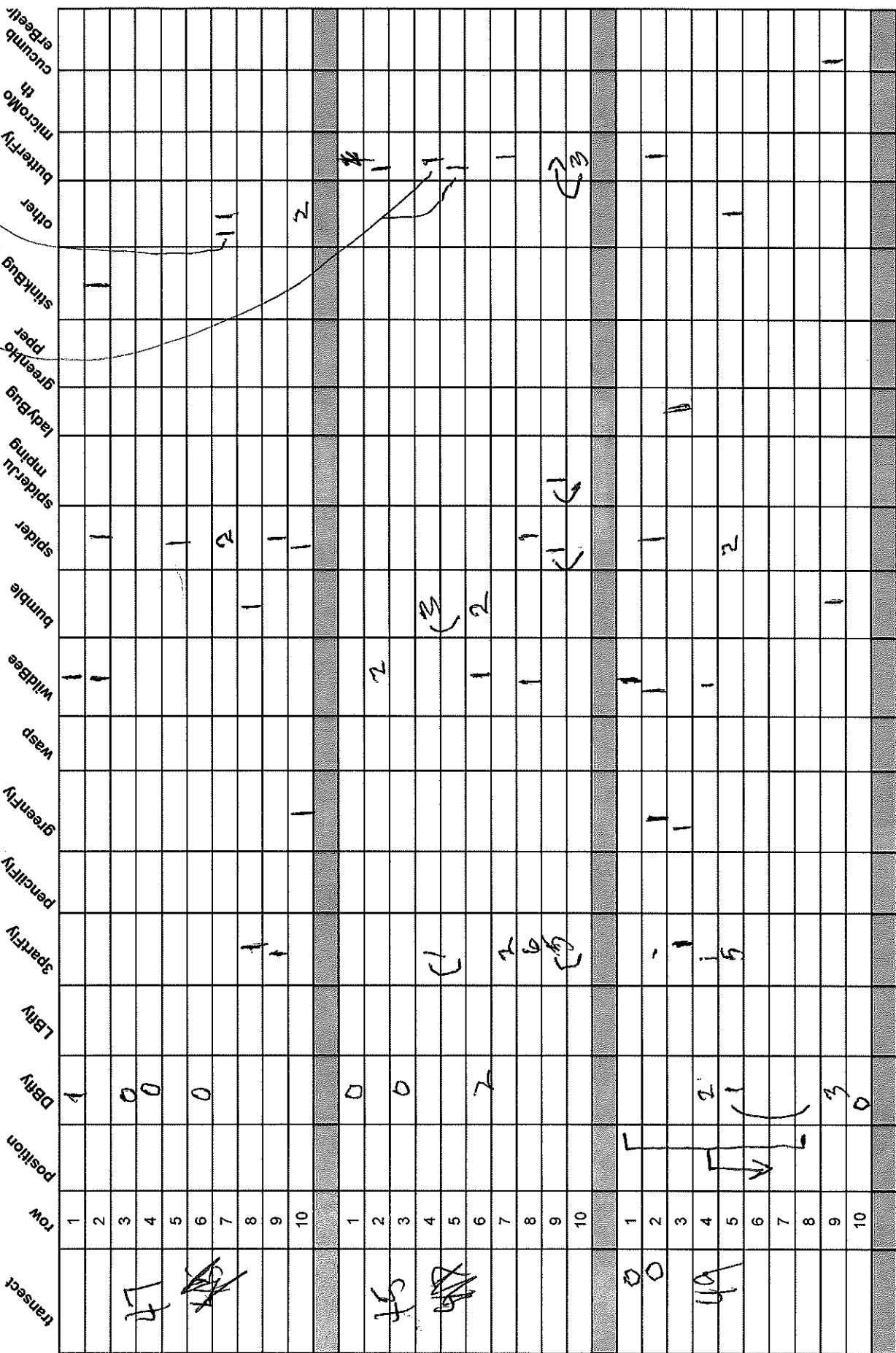
transect	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
row																				
position																				
Diptera (Agromyzidae; leaf miner?)																				
Brachyidae; wasp																				
Agapostemon sp. (native bee)																				
Penicillibug																				
aphid																				
Osmia sp. (native bee)																				
Honey Bee																				
Bombus californicus (bumblebee)																				
Thomisidae (crab spider)																				
spider other																				
Lady Bug																				
Lygus hesperus																				
(western tarnished plant bug)																				
Penitamondia e (stinkbug)																				
Plant bug																				
(western tarnished plant bug)																				
Pentatomidae (stinkbug)																				
chekerspot butterfly																				
Pyralidae (Snow Moth)																				
Diabrotica undecimpunctata (Cucumber beetle)																				
Position																				
Row	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Transect	46	46	46	46	46	46	46	46	46	46	1	2	3	4	5	6	7	8	9	10

linear model for occurrence / relative  
of sp1 vs sp2? accounts for attractiveness  
of the ways?

6/21 0900

Row	Position	DBY	LBRY	Pencillifly	Greentelly	Wasps	Widibee	Bumble	Spider	LeidyBugs	BedBugs	GreenHooper	SpiderHooper	Stinkbug	Butterfly	Micromo	Cucumber beetle	Other	Spiders	LeidyBugs	BedBugs	GreenHooper	SpiderHooper	Stinkbug	Butterfly	Micromo	Cucumber beetle
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
						4	3	4	5	5	6	7	3	8	9	10	3	4	4	2	3	0	0	0	0	0	

WILDLIFE  
PINE



6/26 AM

TICK

PINCH

Transcet	Position	DBY	LBY	SPARTFY	GREENFY	WESP	WIDBEE	BUMBLE	SPIDER	SPIDERFLY	GREENFLY	SPARTFLY	WIDBEE	PINCH	TICK	Other	BUTTERFLY	MICROMO TH	CUCUMBER	BUZZERFLY	OTHERFLY	MICROMO TH	CUCUMBER
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

adult

12/19

6/20 pm

transect	row	position	Dfly	Lfly	3partFly	greenFly	wasp	wildBee	bumble	spider	ladyBug	greenHopper	stinkBu	microMoth	herBettle
	1														
	2			1											
	3														
	4														
	5			0											
	6			0											
45	7				1										
	8														
	9														
	10														
	1														
	2						0								
	3						0								
	4						1								
	5						1								
	6														
	7						1								
	8							1							
	9							0							
	10							0							
	1									0					
	2									0					
	3									0					
	4									0					
	5									0					
	6									0					
	7									1					
	8									1					
	9									0					
	10									0					



b) 70 mm

6/20 000

transect	row	position	DBfly	LBfly	3partFly	pencil Fly	greenFly	wasp	wildBee	bumble	spider	lady Bug	greenHopper	stinkBu	other	butte rFly	micro Moth	cucum berBe etle
	1		0															
	2		0															
	3		1															
	4		0															
4	5		1															
4	6		1															
4	7		1															
4	8		0															
4	9		0															
4	10		2															
4	1		0															
4	2		0															
4	3		1															
4	4		0															
4	5		1															
4	6		1															
4	7		1															
4	8		1															
4	9		2															
4	10		0															
4	1		1															
4	2		2															
4	3		3															
4	4		0															
4	5		0															
4	6		0															
4	7		0															
4	8		0															
4	9		1															
4	10		1															

pink fly

6/19 - am

transect	row	position	DBfly	LBfly	3partFly	greenFly	wasp	wildBee	bumble	spider	lady	greenH	stinkBu	other	butte	micro	berBe	cucum
	1														6			
	2														0			
	3														6			
	4														1			
	5														0			
	6														0			
	7														0			
	8														0			
	9														0			
	10														0			
87	1														0			
	2														0			
	3														0			
	4														1			
	5														0			
	6														0			
	7														0			
	8														0			
	9														0			
	10														0			
	1														1			
	2														0			
	3														0			
	4														0			
	5														0			
	6														1			
	7														2			
	8														1			
	9														1			
	10														0			

6/19/2017

pink  
red pink



transect	row	position	Dsfly	LBfly	3partFly	greenFly	wasp	wildBee	bumble	spider	ladyBug	greenHopper	stinkBug	other	buttefly	microMoth	cucumBeetle
45	1														0	0	0
	2														6	0	0
	3														0	0	0
	4														2	0	0
	5														0	0	0
	6														1	0	0
	7														1	0	0
	8														1	0	0
	9														1	0	0
	10														1	0	0
47	1														0	0	0
	2														0	0	0
	3														2	0	0
	4														0	0	0
	5														0	0	0
	6														0	0	0
	7														1	0	0
	8														0	0	0
	9														0	0	0
	10														0	0	0

WILDFLOWERS

11/15/15

transect	row	position	Dbfly	LBrly	3partFly	pencil	greenFly	wasp	wildBee	bumble	spider	spiderJ	umping	lady	greenH	stinkBu	g	other	butter	micro	Moth	cucum	berBe	etle						
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

45

pm  
11/13

11112 Or found this set  
labeled as "am"

1900  
Aug

6/13

pick

transect	row	position	DBfly	LBfly	3partFly	greenFly	wasp	wildBee	bumble	spider	lady	greenH	stinkBu	9	other	butte	micro	berBe	cucum	etle
	1																			
	2																			
	3																			
	4																			
47	5																			
	6																			
	7																			
	8																			
	9																			
	10																			
		1																		
		2																		
		3																		
		4																		
		5																		
		6																		
		7																		
		8																		
		9																		
		10																		
			1																	
			2																	
			3																	
			4																	
			5																	
			6																	
			7																	
			8																	
			9																	
			10																	

pink

Winn

W.M.  
E.J.S.

Mon 12/6

15

6 | 12 mm

transect	row	position	DBfly	LBfly	3partFly	greenFly	wasp	wildBee	bumble	spider	lady	Bug	hopper	ant	other	butte	micro	herBe	etle
	1															0			
	2																		
	3															0			
	4															0			
	5															0			
80	6															0			
	7															0			
	8															0			
	9															0			
	10															0			
	1															0			
	2															0			
	3															0			
	4															0			
	5															0			
	6															0			
	7															0			
	8															0			
	9															0			
	10															0			
	1															0			
	2															0			
	3															0			
	4															0			
	5															0			
	6															0			
	7															0			
	8															0			
	9															0			
	10															0			

21/3 0000

transect	row	position	DBfly	LBfly	3partFly	house Fly	greenFly	wasp	wildBee	bumble spider	lady Bug	hopper	ant	other	butte rFly	micro Moth	cucum berBe etle
	1														2		
	2														0		
	3														1		
	4														1		
47	5														1		
	6														1		
	7														1		
	8														2		
	9														1		
	10														1		
	1														0		
	2														0		
	3														1		
	4														2		
49	5														1		
	6														1		
	7														1		
	8														1		
	9														1		
	10														1		
	1														1		
	2														2		
	3														1		
51	4														1		
	5														1		
	6														1		
	7														1		
	8														0		
	9														1		
	10														3		

6/12 9 AM

11

6/11 AM

transect	row	position	DBfly	LBfly	3partFly	house Fly	greenFly	wasp	WildBee	bumble spider	spiderJ umping	lady Bug	hopper	ant	other	butte rFly	micro Moth	cucum berBe etle
	1										1							
	2										1							
	3										1							
	4										1							
SD	5										1							
SD	6										1							
	7										1							
	8										1							
	9										1							
	10										1							
		1									1							
		2									1							
		3									1							
EZ	4										1							
EZ	5										1							
	6										1							
	7										1							
	8										1							
	9										3							
	10										2							
		1									1							
		2									1							
		3									1							
EC	4										1							
EC	5										1							
	6										2							
	7										1							
	8										1							
	9										1							
	10										1							

39  
www

三  
卷

119

2

80 6/8 Am

11  
104 2nd Floor  
McMillan Building

65 mm 6/8/8

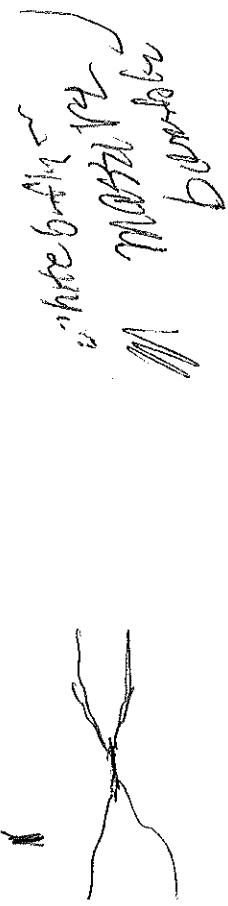
transect	row	position	DBfly	LBFly	3partFly	greenFly	wasp	wildBee	bumble	spider	lady	Bug	umping	spiderJ	cucum	berBe	etle
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	1		2	1													
	2		1	2													
	3		2	1													
	4		1	2													
	5		1	1													
	6		2	1													
	7		2	2													
	8		1	1													
	9		1	1													
	10		1	1													
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																

6/6 10:00  
QD

11/10 6PM

transect	row	position	DBfly	LBfly	3partFly	greenFly	wasp	wildBee	bumble	spider	lady	Bug	hopper	ant	other	butte	micro	barBe	cucum
	1																		
	2																		
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	8																		
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	5																		
	6																		
	7																		
	8																		
	9																		
	10																		

white butterfly  
Moths  
butterflies



\* 92 - 11 25

W

6/1

transect	row	date	time	position	fly DB	fly LB	fly 3 green part	fly 3 green wasp	wild bee	bumble e	spider	spider jumping	hoppe r	ant	other
				1							1				
				2	1										
				3	1										
				4	1										
				5	1										
				6	1										
				7											
				8											
				9	1										
				10	1										
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				2											
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				8											
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				9											
				10											
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				8											
				9											
				10											
				1											
				2											
				3											
				4				</							

62-911

MM

6/7

SP

## transect

## row

## date

## time

## position

## fly DB

## fly LB

## fly 3 part

## fly green

## wasp

## wild bee

## bumble e

## spider

## spider jumping

## spider jumping

## ant

## other

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## BIG PUY

6/18/87 10 AM

112 - 150

transect	row	date	time	position	fly DB	fly LB	fly 3 part	fly green	wasp	wild bee	bumble bee	spider	Jumping spider	hoppe r	ant	other
				1												
				2												
				3												
				4												
				5												
				6												
				7												
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				3												
				4												
				5												
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				9												
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				6												
				7												
				8												
				9												
				10												

other  
6/18

6/18

6/18

151-181 50 67 pm

transect	row	date	time	position	fly DB	fly LB	fly 3 part	fly green	wasp	wild bee	bumbi e	spider	Jumpi ng	hoppe r	ant	other
				1	1				1							
				2												0
				3	1											
				4	2											
				5	1											
				6	1											
				7	3											
				8												
				9	2											
				10			1									
				1												
				2												
				3												
				4					1							
				5												
				6	2											
				7												
				8					1							
				9												
				10												
				1												
				2												
				3	1											
				4												
				5	1											
				6												
				7												
				8												
				9												
				10												

✓ 1st count  
✓ 2nd count  
✓ 3rd count  
✓ 4th count