Block	Ant Mound Distance	≤ ြ Genotype	Aphid Treatment	ω ν Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
1	1	G	aphid	1																							
1		W	aphid	2																							
1	1	Т	aphid																								
1	1	F	aphid	4																							
1		F	none	5																							
1	1		aphid	6																							
1	1	Χ	aphid	7																							
1	1	G	none	8																							
1	1	J	none	9																							
1	1		none	10																							
1	1	W	none	11																							
1	1	Χ	none	12																							
1		S	aphid	13																							
1	1	L	aphid	14																							
1	1	I	aphid	15																							
1		S	none	16																							
1		U	aphid	17																							
1		I	none	18																							
1	1	L	none	19		ļ																					
1	1	U	none	20																							
1	6	W	aphid	21																							
1	6	W	none	22																							
1	6	T	aphid	23													ļ										
1	6	G	aphid	24																							
1		G	none	25																							
1	6	F	aphid	26																							

1 Block	Ant Mound Distance	Genotype	Aphid Treatment	2 Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
1	6	Χ	aphid	27																							
1	6	Т	none	28																							
1	6	J	aphid	29																							
1	6	F	none	30 31																							
1	6	J	none	31																							
1	6 6 6	S	aphid	32																							
1	6	S	none	33																							
1	6	Χ	none	34																							
1	6	L	aphid	35																							
1	6		aphid	36																							
1	6	L	none	37																							
1	6		none	38																							
1		U	aphid	39																							
1	6	U	none	40																							
1	12	W	aphid	41																							
1	12 12	G	aphid	42																							
1	12	G	none	43																							
1		Т	aphid	44																							
1		W	none	45																							
1	12	J	aphid	46																							
1	12	J	none	47																							
1		Χ	aphid	48																							
1		X	none	49																							
1		T	none	50																							
1	12	S	aphid	51																							
1	12	S	none	52																							

Block	Ant Mound Distance	Genotype		Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
1	12	L F	aphid	53																							
1	12 12	F	aphid	54												\dashv		\rightarrow									
1	12	F ···	none	53 54 55 56																							
1		U	aphid	56		-									-	\dashv	\dashv	\rightarrow									
1		I I	aphid	57 58		\dashv									-	\dashv		\rightarrow									
1		U	none	58																							
1		U L	none	60		-									-+	\dashv	\dashv	\dashv									
1 2	1		none aphid	1		_										\dashv		$\overline{}$									
2 2 2 2	1	VV Y	aphid	1 2		\dashv												-									
2	1	<u>^</u> _	aphid	3												-+	- 										
2	1	G G	none	4											\neg	\dashv		\dashv									
2	1	X	none	5												\neg											
2		W	none	6												\neg											
2	1	Т	aphid	6 7																							
2 2 2 2 2	1	Т	none	8																							
2	1	S F	aphid	9																							
2	1	F	aphid	10																							
2 2 2 2	1	J	aphid	11																							
2	1	S	none	12																							
2	1	Ι	aphid	13																							
2	1		none	14																							
2	1		none	15																							
2		U	aphid	16																							
2		J	none	17																							
2	1	U	none	18																							

2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Ant Mound Distance	Genotype		5 Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
2	1	L	aphid	19																							
2	1	L	none	20																							
2	6		aphid	21																							
2	6	G	aphid	22																							
2	6	Χ	none	23																							
2	6	G W	none	24																							
2	6	W	aphid	25																							
2	6	Т	aphid	26																							
2	6	Т	none	27																							
2	6	W	none	28																							
2	6	S S	aphid	29 30																							
2	6	S	none	30																							
2	6	Ι	aphid	31																							
2	6	Ι	none	32 33																							
2	6	F	aphid	33																							
2	6	U	aphid	34																							
2	6	J	aphid	35																							
2	6	J	none	36																							
2	6	F	none	37														\neg									
2		U	none	38														\neg									
2	6		aphid	39																							
2 2 2 2 2	6	L	none	40																							
2	12	Χ	aphid	41																							
2	12	Χ	none	42																							
2	12		aphid	43																							
2	12	Т	aphid	44																							

Block 2 2 2 2 2 2	다 Ant Mound Distance	Genotype		9 Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
2	12	T	none	45																							
2	12 12	G	none	46																							
2	12	S	aphid	47																							
2	12	<u>S</u>	none	48																							
2	12	I	aphid	49														\longrightarrow									
2			none	50																							
2 2			aphid	51																							
1 2	12	W	none	52																							
2	12	J	aphid	53																							
2	12		none	54																							
2 2 2 2		F	aphid	55																							
1	12	<u>L</u>	aphid	56 57																							
1		F	none	58																							
1	12 12	<u>U</u>	aphid																								
1 4			none	59																							
2 2 3 3		L X	none aphid	60		\dashv	-						\dashv							-+		\dashv					
2				1 2																							
3	1		none	3		-																-	-				
3	1		aphid none	4		\dashv							\dashv									\dashv					
3			aphid	5																							
3	1	G	none	6		\dashv							\dashv														
3 3 3		S	aphid	7	-+	\dashv						\vdash	-+					\dashv	\dashv	-+		\dashv	\dashv				
7		S	none	8														-+	-+	-+							
3		I	aphid	9																							
3		J	aphid	10																							

3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Ant Mound Distance	Genotype	Aphid Treatment	Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
3	1	I	none	11																							
3	1	W	aphid	12																							
3		F	aphid	13																							
3		W	none	14																							
3		U	aphid	15																							
3		F	none	16																							
3		U	none	17																							
3	1		none	18																							
3	1		aphid	19																							
3	1		none	20																							
3	6	Χ	aphid	21																							
3	6	Χ	none	22 23																							
3	6	Т	aphid	23																							
3		Т	none	24 25																							
3	6	G	aphid	25																							
3	6	G	none	26																							
3	6	G G S	aphid	27																							
3	6	S	none	28																							
3	6		aphid	29		ļ																					
3	6		none	30																							
3	6	W	aphid	31																							
3	6	U	aphid	32																							
3	6	J	aphid	33													ļ										
3		F	aphid	34																							
3		F	none	35																							
3	6	U	none	36																							

3 3 3 3 3	Ant Mound Distance	Genotype	Aphid Treatment	& Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
3	6	L	aphid	37																							
3		W	none	38																							
3	6	L	none	39																							
3	6.		none	40																							
3		T	aphid	41																							
3	12	Χ	aphid	42																							
3	12	S G	aphid	43																							
3 3 3 3 3 3 3 3 3 3 3 3	12	<u>G</u> _	aphid	44																							
3	12	I	aphid	45																							
3	12	T	none	46																							
3	12	G	none	47																							
3	12	I	none	48																							
3	12 12	X	none	49 50																							
3	12	F	aphid	50																							
3		U F	aphid	51								-				\dashv	\rightarrow			-							
3			none	52																							
3	12	S	none	53																							
3		W	aphid	54																							
3	12	W	none	55	\dashv							-				\dashv	\rightarrow			-							
3	12.	J • • •	aphid	56																							
3	12	U	none	57														\dashv		-+							
3		J	none	58						-		-				\dashv		\dashv		-+							
3	12	L	aphid	59				-		\dashv	-	-				-		\dashv		-+							
3	12	<u>L</u>	none	60						-								-						-			
4		G	aphid	1								-						\dashv		-+							
4	1	Χ	aphid	2																							

Block	Ant Mound Distance	Genotype		ه ا	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
4	1	Χ	none	3																							
4		Ι	aphid	4																							
4	1	Ι	none	5 6																							
4		G	none	6																							
4		Т	aphid	7																							
4		Т	none	8																							
4		F	aphid	9																							
4	1		none	10																							
4		W	aphid	11																							
4	1	U	aphid	12																							
4	1	S	aphid	13																							
4		J	aphid	14																							
4		U	none	15																							
4	1		none	16 17																							
4		W	none	17																							
4		L	aphid	18																							
4	1	L	none	19																							
4	1	S	none	20																							
4	6		aphid	21																							
4	6	I	none	22																							
4	6	Χ	aphid	23																							
4	6	Χ	none	24																							
4	6	F	aphid	25													ļ										
4	6		none	26																							
4	6	U	aphid	27																							
4	6	G	aphid	28																							

Block	Ant Mound Distance	Genotype	Aphid Treatment	Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
4	6 ۱	Ν	aphid	29																							
4	6 ۱	Ν	none	30																							
4	6 l		none	29 30 31 32																							
4		Γ	aphid	32																							
4	6 L		aphid	33																							
4	6 (none	34																							
4		Γ	none	35																							
4	6 L		none	36 37																							
4	6]	J	aphid	37																							
4	6 J	J	none	38																							
4	6 9	5	aphid	39																							
4	6 9	5	none	40																							
4	12 I		aphid	41																							
4	12 >	X	aphid	42																							
4	12 X 12 I		none	43																							
4	12 I		none	44																							
4	12 F		aphid	45																							
4	12 \		aphid	46																							
4	12 F		none	47																							
4	12 \	N	none	48																							
4	12 l	J	aphid	49																							
4	12 l	J	none	50																							
4	12 (aphid	51																							
4	12 (none	52																							
4	12 l		aphid	53																							
4	12	Γ	aphid	54																							

Block	Ant Mound Distance	Genotype		55 Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
4	12	Τ	none	55																							
4	12 12	L	none	56																							
4	12	J	aphid	57																							
4	12		aphid	58																							
4		J	none	59																							
4	12	S	none	60																							
5	1	Χ	aphid	1																							
5 5	1	I	aphid	2 3																							
5	1	I	none	3																							
5	1	F	aphid	4																							
5	1		none	5																							
5		W	aphid	6																							
5	1	W	none	7																							
5	1	G	aphid	8 9																							
5 5 5 5	1	U	aphid	9																							
5	1		none	10																							
5		T	aphid	11																							
5	1		aphid	12																							
5	1		none	13																							
5	1	U	none	14																							
5		S	aphid	15																							
5	1	L_	aphid	16																							
5		G	none	17		ļ							ļ														
5		L	none	18																							
5		Т	none	19																							
5	1	S	none	20																							

5 5 5 5 5 5 5	മ Ant Mound Distance	Genotype	Aphid Treatment	TS Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes
5	6	F	aphid	21																							
5	6	W	aphid	22																							
5	6	W	none	23																							
=		F	none	24 25	_	-	-								-	-		\dashv				\dashv					
	6	X	aphid aphid	26																							
5	6 6	J 1	none	27																							
5	6)	none	28																							
5	6	<u>^</u>	aphid	29		\neg																\dashv					
5	6	G	aphid	30																							
5	6	Ī	aphid	31																							
5	6	S	aphid	32																							
5	6	S	none	33																							
5	6	Т	aphid	34																							
5 5 5 5 5 5	6	G	none	35																							
5	6		aphid	36																							
5	6	Т	none	37																							
5		U	none	38																							
5	6	I	none	39																							
5	6		none	40																							
5			aphid	41																							
5		X	aphid	42			\rightarrow								\longrightarrow												
5		W	none	43		-										-						-					
5		X	none	44																							
5		G	aphid	45														\dashv	-								
5	12	ı	aphid	46																							

Date		
Date	•	

g Block		Genotype Aphid Treatment	Plant Position	Spider (blk/ylw)	Spiders (other)	Leaf Tip Folds (new)	Leaf Tip Folds (old)	Leaf Bundler type 1	Leaf Bundler type 2	Tent Mines	Leaf Edge Rollers	LH nymph (blk/ylw)	Leaf Hoppers (Blue)	Leaf Hoppers (brown)	Leaf Hopper (Camo)	Frog hopper (brown)	Giant Willow Aphids	Green Aphids	Orange Aphids	Other Arthropods	Beetles	Spittlebugs	Red Ants	Black Ants	Aphids_Added	Notes	
5	12 F		47																								_
5	12 J	aphid	48																								_
5	12 J	none	49																								
5	12 I	aphid	50																								
5	12 I	none	51																								
5	12 T		52																								
5	12 S		53																								
5	12 G	none	54																								
5	12 L	aphid	55																								
5	12 U		56																								
5	12 U		57																								
5	12 S	none	58																								
5	12 L		59																								
5	12 F	none	60																								