Plant Position within Willow Garden for cutting	Genotype	Plants Greenhouse Letter	Plant Greenhouse Number	Cutting Length	Random Number	Experiment	Block	Aphids or No-Aphids	Distant to Ant Mound	Plant Position	
472	G	H	4	60	0.002899277	Field Ant	1	aphid	1	1	
304	W	E	5	60	0.002900878	Field Ant	1	aphid	1	2	
113	T	H	4	60	0.005581213	Field Ant	1	aphid	1	3	
257	F	H	6	60	0.008291474	Field Ant	1	aphid	1	4	
257	F	I	1	60	0.009717393	Field Ant	1	none	1	5	
41	J	G	7	60	0.009947206	Field Ant	1	aphid	1	6	
487	X	C	7	60	0.015153031	Field Ant	1	aphid	1	7	
472	G	G	1	60	0.022163002	Field Ant	1	none	1	8	
41	J	B	6	60	0.02767544	Field Ant	1	none	1	9	
113	T	A	5	60	0.033665128	Field Ant	1	none	1	10	
304	W	D	6	60	0.038060436	Field Ant	1	none	1	11	
487	X	F	6	60	0.047013857	Field Ant	1	none	1	12	
23	S	B	6	60	0.058500186	Field Ant	1	aphid	1	13	
530	L	D	4	60	0.07649027	Field Ant	1	aphid	1	14	
479	I	D	6	60	0.082071786	Field Ant	1	aphid	1	15	
23	S	D	2	60	0.100081454	Field Ant	1	none	1	16	
294	U	E	7	60	0.105657359	Field Ant	1	aphid	1	17	
479	I	E	7	60	0.121322822	Field Ant	1	none	1	18	
530	L	F	4	60	0.154475487	Field Ant	1	none	1	19	
294	U	D	2	60	0.177757441	Field Ant	1	none	1	20	
402	W	I	3	60	0.040591665	Field Ant	1	aphid	6	21	
304	W	E	3	60	0.046779937	Field Ant	1	none	6	22	
113	T	H	6	60	0.061602266	Field Ant	1	aphid	6	23	
472	G	I	3	60	0.063766198	Field Ant	1	aphid	6	24	
472	G	C	3	60	0.06485891	Field Ant	1	none	6	25	
257	F	G	5	60	0.075185691	Field Ant	1	aphid	6	26	
487	X	E	7	60	0.076437749	Field Ant	1	aphid	6	27	
113	T	G	5	60	0.077192049	Field Ant	1	none	6	28	
41	J	A	5	60	0.080169508	Field Ant	1	aphid	6	29	
257	F	C	1	60	0.082523149	Field Ant	1	none	6	30	
41	J	E	3	60	0.089851365	Field Ant	1	none	6	31	
23	S	E	7	60	0.100668184	Field Ant	1	aphid	6	32	
23	S	H	4	60	0.160539368	Field Ant	1	none	6	33	
487	X	C	1	60	0.166294164	Field Ant	1	none	6	34	
530	L	D	2	60	0.182500691	Field Ant	1	aphid	6	35	
479	I	F	6	60	0.203891012	Field Ant	1	aphid	6	36	
530	L	E	3	60	0.208712955	Field Ant	1	none	6	37	
479	I	B	4	60	0.221779251	Field Ant	1	none	6	38	

294	U	F	6	60	0.227201798	Field Ant	1	aphid	6	39	
294	U	G	7	60	0.258675538	Field Ant	1	none	6	40	
304	W	D	4	60	0.069317186	Field Ant	1	aphid	12	41	
472	G	H	6	60	0.083192487	Field Ant	1	aphid	12	42	
472	G	E	3	60	0.083710268	Field Ant	1	none	12	43	
113	T	E	5	60	0.137285634	Field Ant	1	aphid	12	44	
402	W	I	1	60	0.142936049	Field Ant	1	none	12	45	
41	J	A	1	60	0.143180296	Field Ant	1	aphid	12	46	
41	J	E	7	60	0.149561995	Field Ant	1	none	12	47	
486	X	H	4	60	0.171132921	Field Ant	1	aphid	12	48	
487	X	E	5	60	0.186006423	Field Ant	1	none	12	49	
113	T	B	6	60	0.202426539	Field Ant	1	none	12	50	
23	S	C	5	60	0.208501827	Field Ant	1	aphid	12	51	
23	S	A	3	60	0.21537918	Field Ant	1	none	12	52	
530	L	A	1	60	0.222520915	Field Ant	1	aphid	12	53	
257	F	A	5	60	0.236213053	Field Ant	1	aphid	12	54	
257	F	G	7	60	0.246503414	Field Ant	1	none	12	55	
294	U	C	3	60	0.285821321	Field Ant	1	aphid	12	56	
479	I	F	2	60	0.286784164	Field Ant	1	aphid	12	57	
479	I	H	4	60	0.288786017	Field Ant	1	none	12	58	
294	U	D	4	60	0.298029713	Field Ant	1	none	12	59	
530	L	E	5	60	0.378025852	Field Ant	1	none	12	60	
304	W	G	1	60	0.144304172	Field Ant	2	aphid	1	1	
487	X	D	4	60	0.18718803	Field Ant	2	aphid	1	2	
472	G	A	7	60	0.197915373	Field Ant	2	aphid	1	3	
472	G	G	7	60	0.206613425	Field Ant	2	none	1	4	
487	X	A	7	60	0.206616531	Field Ant	2	none	1	5	
304	W	F	4	60	0.212720953	Field Ant	2	none	1	6	
113	T	F	2	60	0.23256066	Field Ant	2	aphid	1	7	
113	T	C	3	60	0.246411588	Field Ant	2	none	1	8	
23	S	G	5	60	0.248131475	Field Ant	2	aphid	1	9	
257	F	E	3	60	0.263889338	Field Ant	2	aphid	1	10	
41	J	C	5	60	0.28477076	Field Ant	2	aphid	1	11	
23	S	G	3	60	0.293846477	Field Ant	2	none	1	12	
479	I	G	1	60	0.302238708	Field Ant	2	aphid	1	13	
257	F	G	3	60	0.303524409	Field Ant	2	none	1	14	
479	I	C	3	60	0.304263524	Field Ant	2	none	1	15	
294	U	E	5	60	0.311778906	Field Ant	2	aphid	1	16	
41	J	H	2	60	0.361552055	Field Ant	2	none	1	17	
294	U	H	6	60	0.365411465	Field Ant	2	none	1	18	
530	L	H	4	60	0.397732736	Field Ant	2	aphid	1	19	
530	L	G	5	60	0.426439342	Field Ant	2	none	1	20	
487	X	B	6	60	0.221590617	Field Ant	2	aphid	6	21	
472	G	G	5	60	0.224911596	Field Ant	2	aphid	6	22	
487	X	E	3	60	0.226602761	Field Ant	2	none	6	23	
472	G	A	1	60	0.232181017	Field Ant	2	none	6	24	
304	W	A	7	60	0.245105442	Field Ant	2	aphid	6	25	
113	T	A	1	60	0.266371717	Field Ant	2	aphid	6	26	
113	T	D	2	60	0.268729271	Field Ant	2	none	6	27	

304	W	G	3	60	0.292933525	Field Ant	2	none	6	28
23	S	E	5	60	0.296001744	Field Ant	2	aphid	6	29
23	S	F	2	60	0.31066415	Field Ant	2	none	6	30
479	I	B	6	60	0.31981957	Field Ant	2	aphid	6	31
479	I	G	5	60	0.36002411	Field Ant	2	none	6	32
257	F	F	6	60	0.373702977	Field Ant	2	aphid	6	33
294	U	F	4	60	0.380604177	Field Ant	2	aphid	6	34
41	J	F	6	60	0.383131187	Field Ant	2	aphid	6	35
41	J	H	4	60	0.386706454	Field Ant	2	none	6	36
257	F	B	2	60	0.415350897	Field Ant	2	none	6	37
294	U	A	3	60	0.42255291	Field Ant	2	none	6	38
530	L	A	7	60	0.436021471	Field Ant	2	aphid	6	39
530	L	G	7	60	0.448170851	Field Ant	2	none	6	40
486	X	H	6	60	0.23922183	Field Ant	2	aphid	12	41
487	X	H	2	60	0.257959662	Field Ant	2	none	12	42
472	G	C	5	60	0.26649032	Field Ant	2	aphid	12	43
113	T	E	7	60	0.28100078	Field Ant	2	aphid	12	44
113	T	C	1	60	0.298159374	Field Ant	2	none	12	45
472	G	F	4	60	0.311279339	Field Ant	2	none	12	46
23	S	B	4	60	0.326103589	Field Ant	2	aphid	12	47
23	S	H	6	60	0.333438564	Field Ant	2	none	12	48
479	I	E	3	60	0.361264431	Field Ant	2	aphid	12	49
479	I	I	1	60	0.368096762	Field Ant	2	none	12	50
304	W	C	1	60	0.38911556	Field Ant	2	aphid	12	51
304	W	B	2	60	0.398805043	Field Ant	2	none	12	52
41	J	D	2	60	0.406785215	Field Ant	2	aphid	12	53
41	J	I	3	60	0.409590009	Field Ant	2	none	12	54
257	F	A	3	60	0.429280849	Field Ant	2	aphid	12	55
530	L	C	3	60	0.461406222	Field Ant	2	aphid	12	56
257	F	I	3	60	0.470911746	Field Ant	2	none	12	57
294	U	I	1	60	0.472577346	Field Ant	2	aphid	12	58
294	U	A	7	60	0.49735601	Field Ant	2	none	12	59
530	L	G	3	60	0.558223706	Field Ant	2	none	12	60
487	X	A	3	60	0.272565785	Field Ant	3	aphid	1	1
487	X	A	5	60	0.304190079	Field Ant	3	none	1	2
113	T	H	2	60	0.30642174	Field Ant	3	aphid	1	3
113	T	G	1	60	0.339615302	Field Ant	3	none	1	4
472	G	F	2	60	0.339817686	Field Ant	3	aphid	1	5
472	G	B	2	60	0.37086027	Field Ant	3	none	1	6
23	S	I	3	60	0.388565368	Field Ant	3	aphid	1	7
23	S	A	7	60	0.400423731	Field Ant	3	none	1	8
479	I	G	3	60	0.417472006	Field Ant	3	aphid	1	9
41	J	A	7	60	0.422054545	Field Ant	3	aphid	1	10
479	I	A	3	60	0.448219894	Field Ant	3	none	1	11
304	W	G	7	60	0.473131035	Field Ant	3	aphid	1	12
257	F	A	1	60	0.482111702	Field Ant	3	aphid	1	13
402	W	H	4	60	0.497354656	Field Ant	3	none	1	14
294	U	C	7	60	0.498622715	Field Ant	3	aphid	1	15
257	F	D	2	60	0.513792949	Field Ant	3	none	1	16

294	U	C	1	60	0.523505499	Field Ant	3	none	1	17
41	J	G	5	60	0.523662925	Field Ant	3	none	1	18
530	L	C	5	60	0.558825474	Field Ant	3	aphid	1	19
530	L	I	1	60	0.618702883	Field Ant	3	none	1	20
487	X	A	1	60	0.33306389	Field Ant	3	aphid	6	21
487	X	B	2	60	0.358490526	Field Ant	3	none	6	22
113	T	D	6	60	0.365758686	Field Ant	3	aphid	6	23
113	T	G	7	60	0.372158997	Field Ant	3	none	6	24
472	G	A	5	60	0.373052803	Field Ant	3	aphid	6	25
472	G	C	1	60	0.396382095	Field Ant	3	none	6	26
23	S	A	1	60	0.401358117	Field Ant	3	aphid	6	27
23	S	D	6	60	0.420226942	Field Ant	3	none	6	28
479	I	D	2	60	0.463001899	Field Ant	3	aphid	6	29
479	I	I	3	60	0.467699045	Field Ant	3	none	6	30
304	W	E	1	60	0.543673758	Field Ant	3	aphid	6	31
294	U	E	1	60	0.545747834	Field Ant	3	aphid	6	32
41	J	B	4	60	0.554749705	Field Ant	3	aphid	6	33
257	F	B	6	60	0.559686353	Field Ant	3	aphid	6	34
257	F	H	2	60	0.575054337	Field Ant	3	none	6	35
294	U	G	5	60	0.60190091	Field Ant	3	none	6	36
530	L	F	2	60	0.651302511	Field Ant	3	aphid	6	37
304	W	H	2	60	0.661796254	Field Ant	3	none	6	38
530	L	B	4	60	0.662446841	Field Ant	3	none	6	39
41	J	A	3	60	0.673342898	Field Ant	3	none	6	40
113	T	E	1	60	0.393059606	Field Ant	3	aphid	12	41
487	X	G	7	60	0.403841678	Field Ant	3	aphid	12	42
23	S	F	4	60	0.480093144	Field Ant	3	aphid	12	43
472	G	E	1	60	0.489025855	Field Ant	3	aphid	12	44
479	I	H	2	60	0.495141297	Field Ant	3	aphid	12	45
113	T	G	3	60	0.502544903	Field Ant	3	none	12	46
472	G	E	7	60	0.508458587	Field Ant	3	none	12	47
479	I	C	5	60	0.509354696	Field Ant	3	none	12	48
487	X	G	1	60	0.517845036	Field Ant	3	none	12	49
257	F	A	7	60	0.599132233	Field Ant	3	aphid	12	50
294	U	I	3	60	0.602763429	Field Ant	3	aphid	12	51
257	F	D	4	60	0.60430894	Field Ant	3	none	12	52
23	S	B	2	60	0.647561043	Field Ant	3	none	12	53
304	W	A	1	60	0.663739093	Field Ant	3	aphid	12	54
304	W	A	5	60	0.679127539	Field Ant	3	none	12	55
41	J	I	1	60	0.681579116	Field Ant	3	aphid	12	56
294	U	D	6	60	0.686878683	Field Ant	3	none	12	57
41	J	E	5	60	0.700300405	Field Ant	3	none	12	58
530	L	H	6	60	0.725767863	Field Ant	3	aphid	12	59
530	L	G	1	60	0.72805354	Field Ant	3	none	12	60
472	G	D	6	60	0.554807595	Field Ant	4	aphid	1	1
487	X	F	2	60	0.560792673	Field Ant	4	aphid	1	2
487	X	C	5	60	0.562287458	Field Ant	4	none	1	3
479	I	B	2	60	0.580056825	Field Ant	4	aphid	1	4
479	I	E	1	60	0.586192664	Field Ant	4	none	1	5

472	G	H	2	60	0.590675184	Field Ant	4	none	1	6	
113	T	E	3	60	0.602666159	Field Ant	4	aphid	1	7	
113	T	D	4	60	0.610848503	Field Ant	4	none	1	8	
257	F	E	5	60	0.643596051	Field Ant	4	aphid	1	9	
257	F	G	1	60	0.647719453	Field Ant	4	none	1	10	
304	W	C	5	60	0.688411816	Field Ant	4	aphid	1	11	
294	U	G	1	60	0.708535	Field Ant	4	aphid	1	12	
23	S	G	1	60	0.713784976	Field Ant	4	aphid	1	13	
41	J	C	7	60	0.71581544	Field Ant	4	aphid	1	14	
294	U	B	4	60	0.71618573	Field Ant	4	none	1	15	
41	J	F	2	60	0.716276804	Field Ant	4	none	1	16	
304	W	C	7	60	0.719166018	Field Ant	4	none	1	17	
530	L	E	7	60	0.729550633	Field Ant	4	aphid	1	18	
530	L	A	5	60	0.73895663	Field Ant	4	none	1	19	
23	S	E	1	60	0.779657085	Field Ant	4	none	1	20	
479	I	D	4	60	0.591555584	Field Ant	4	aphid	6	21	
479	I	E	5	60	0.620143861	Field Ant	4	none	6	22	
487	X	G	3	60	0.639903039	Field Ant	4	aphid	6	23	
487	X	E	1	60	0.640883983	Field Ant	4	none	6	24	
257	F	C	3	60	0.689880372	Field Ant	4	aphid	6	25	
257	F	H	4	60	0.691290491	Field Ant	4	none	6	26	
294	U	B	6	60	0.718307623	Field Ant	4	aphid	6	27	
472	G	I	1	60	0.719381231	Field Ant	4	aphid	6	28	
402	W	H	6	60	0.726769532	Field Ant	4	aphid	6	29	
304	W	G	5	60	0.729835959	Field Ant	4	none	6	30	
294	U	B	2	60	0.737247784	Field Ant	4	none	6	31	
113	T	A	7	60	0.758979004	Field Ant	4	aphid	6	32	
530	L	B	6	60	0.761533967	Field Ant	4	aphid	6	33	
472	G	D	2	60	0.76585447	Field Ant	4	none	6	34	
113	T	A	3	60	0.768649779	Field Ant	4	none	6	35	
530	L	D	6	60	0.773896184	Field Ant	4	none	6	36	
41	J	F	4	60	0.775695441	Field Ant	4	aphid	6	37	
41	J	C	3	60	0.803597956	Field Ant	4	none	6	38	
23	S	C	3	60	0.815639113	Field Ant	4	aphid	6	39	
23	S	I	1	60	0.822629872	Field Ant	4	none	6	40	
479	I	H	6	60	0.644254058	Field Ant	4	aphid	12	41	
486	X	I	3	60	0.652787922	Field Ant	4	aphid	12	42	
486	X	I	1	60	0.664499922	Field Ant	4	none	12	43	
479	I	C	1	60	0.675535486	Field Ant	4	none	12	44	
257	F	C	7	60	0.706773172	Field Ant	4	aphid	12	45	
304	W	B	4	60	0.731191567	Field Ant	4	aphid	12	46	
257	F	F	4	60	0.733012097	Field Ant	4	none	12	47	
304	W	F	6	60	0.735269854	Field Ant	4	none	12	48	
294	U	G	3	60	0.744166098	Field Ant	4	aphid	12	49	
294	U	A	1	60	0.747062859	Field Ant	4	none	12	50	
472	G	D	4	60	0.769743409	Field Ant	4	aphid	12	51	
472	G	B	6	60	0.770084698	Field Ant	4	none	12	52	
530	L	C	7	60	0.784327535	Field Ant	4	aphid	12	53	
113	T	C	5	60	0.785307224	Field Ant	4	aphid	12	54	

113	T	F	4	60	0.820970198	Field Ant	4	none	12	55
530	L	F	6	60	0.825771741	Field Ant	4	none	12	56
41	J	D	4	60	0.826977249	Field Ant	4	aphid	12	57
23	S	H	2	60	0.830839738	Field Ant	4	aphid	12	58
41	J	G	1	60	0.833096314	Field Ant	4	none	12	59
23	S	C	1	60	0.836562731	Field Ant	4	none	12	60
487	X	F	4	60	0.689056789	Field Ant	5	aphid	1	1
479	I	C	7	60	0.702116558	Field Ant	5	aphid	1	2
479	I	A	7	60	0.721477827	Field Ant	5	none	1	3
257	F	F	2	60	0.736117741	Field Ant	5	aphid	1	4
257	F	E	1	60	0.758498612	Field Ant	5	none	1	5
304	W	E	7	60	0.759555803	Field Ant	5	aphid	1	6
304	W	D	2	60	0.784289945	Field Ant	5	none	1	7
472	G	E	5	60	0.792753731	Field Ant	5	aphid	1	8
294	U	H	4	60	0.804849466	Field Ant	5	aphid	1	9
487	X	G	5	60	0.816355886	Field Ant	5	none	1	10
113	T	B	4	60	0.851102484	Field Ant	5	aphid	1	11
41	J	E	1	60	0.852724126	Field Ant	5	aphid	1	12
41	J	B	2	60	0.854470097	Field Ant	5	none	1	13
294	U	A	5	60	0.856675484	Field Ant	5	none	1	14
23	S	E	3	60	0.859670844	Field Ant	5	aphid	1	15
530	L	B	2	60	0.874016694	Field Ant	5	aphid	1	16
472	G	C	7	60	0.875466408	Field Ant	5	none	1	17
530	L	H	2	60	0.87929903	Field Ant	5	none	1	18
113	T	I	1	60	0.891886724	Field Ant	5	none	1	19
23	S	F	6	60	0.915429938	Field Ant	5	none	1	20
257	F	B	4	60	0.780587674	Field Ant	5	aphid	6	21
304	W	A	3	60	0.805185221	Field Ant	5	aphid	6	22
304	W	F	2	60	0.806286614	Field Ant	5	none	6	23
257	F	C	5	60	0.821112279	Field Ant	5	none	6	24
487	X	D	2	60	0.834396271	Field Ant	5	aphid	6	25
41	J	C	1	60	0.855667089	Field Ant	5	aphid	6	26
41	J	D	6	60	0.866319661	Field Ant	5	none	6	27
487	X	D	6	60	0.882163438	Field Ant	5	none	6	28
530	L	A	3	60	0.885420092	Field Ant	5	aphid	6	29
472	G	G	3	60	0.887067879	Field Ant	5	aphid	6	30
479	I	A	1	60	0.906322924	Field Ant	5	aphid	6	31
23	S	G	7	60	0.9177577	Field Ant	5	aphid	6	32
23	S	C	7	60	0.920874092	Field Ant	5	none	6	33
113	T	C	7	60	0.928390578	Field Ant	5	aphid	6	34
472	G	B	4	60	0.933319102	Field Ant	5	none	6	35
294	U	H	2	60	0.935908833	Field Ant	5	aphid	6	36
113	T	F	6	60	0.938707499	Field Ant	5	none	6	37
294	U	F	2	60	0.944739894	Field Ant	5	none	6	38
479	I	A	5	60	0.948490773	Field Ant	5	none	6	39
530	L	C	1	60	0.962516749	Field Ant	5	none	6	40
304	W	B	6	60	0.871631355	Field Ant	5	aphid	12	41
487	X	C	3	60	0.884734076	Field Ant	5	aphid	12	42
304	W	C	3	60	0.898064769	Field Ant	5	none	12	43

487	X	B	4	60	0.903956712	Field Ant	5	none	12	44
472	G	A	3	60	0.938517692	Field Ant	5	aphid	12	45
113	T	I	3	60	0.943730504	Field Ant	5	aphid	12	46
257	F	E	7	60	0.94682508	Field Ant	5	aphid	12	47
41	J	G	3	60	0.952464851	Field Ant	5	aphid	12	48
41	J	H	6	60	0.955505824	Field Ant	5	none	12	49
479	I	F	4	60	0.967661331	Field Ant	5	aphid	12	50
479	I	G	7	60	0.968354029	Field Ant	5	none	12	51
113	T	B	2	60	0.970679413	Field Ant	5	none	12	52
23	S	A	5	60	0.973101083	Field Ant	5	aphid	12	53
472	G	F	6	60	0.975416988	Field Ant	5	none	12	54
530	L	I	3	60	0.98162407	Field Ant	5	aphid	12	55
294	U	C	5	60	0.982021101	Field Ant	5	aphid	12	56
294	U	E	3	60	0.982435955	Field Ant	5	none	12	57
23	S	D	4	60	0.983945506	Field Ant	5	none	12	58
530	L	E	1	60	0.988865822	Field Ant	5	none	12	59
257	F	D	6	60	0.993148348	Field Ant	5	none	12	60