

Table S1: Biochemical parameters and hopper injury status of the different genotypes

Sl. No.	Entries	Grade	Trichome density /(cm ⁻²)	Total soluble protein /(mg.g ⁻¹)	Total soluble sugar /(mg.g ⁻¹)	Free amino acids /(mg.g ⁻¹)	Total phenols /(µg.g ⁻¹)	Reaction
1.	Acala-1577-D	4	139	35.41	7.19	21.35	2.58	HS
2.	B 50	2	222.5	29.35	7.51	18.53	4.03	MR
3.	BJA-592	2	232.5	28	4.92	20.35	3.41	MR
4.	BAR-12/8	2	239.5	22.26	5.28	23.07	5.75	MR
5.	BP-52 NC-62	3	253.5	45.26	6.99	17.07	2.74	S
6.	Brazos	2	305.5	25.26	6.38	17.89	2.74	MR
7.	Buri 147	2	319.5	27.48	6.35	18.03	3.58	MR
8.	Cerro(P)	2	302.5	27.48	5.32	17.95	3.94	MR
9.	Corollina Queen	2	332	21.93	5	20.37	5.38	MR
10.	Coker-124-B	2	307	24.75	4.38	20.6	3.5	MR
11.	TCH 1722	2	307	29.33	4.38	20.6	3.5	MR
12.	KK 1543	2	272	28.21	4.01	19	3.68	MR
13.	Alabar-333-55	2	324	35.21	4	19.87	4	MR
14.	Samaru-26-T	1	410.5	22.78	3.93	18.93	5.62	R
15.	Stardel	3	164.5	26.51	5.23	20.59	4.01	S

16.	5\44	2	222.5	22.78	4.58	18.71	5.54	MR
17.	AC 136	2	233.5	28.89	6.15	17.97	4.3	MR
18.	TCH 1728	1	300.5	22.3	4.68	17.78	6.3	R
19.	C 34	2	304	22.63	4.47	19.28	5.02	MR
20.	CTI 30- 10-Delta Express	2	304	25.64	4.84	19.53	3.99	MR
21.	I 102	2	304	21.37	5.09	20.8	4.74	MR
22.	J 114	2	222	35.2	4.87	20.26	4	MR
23.	JR-23	1	420.5	22.56	3.68	19.25	5.06	R
24.	K 3103	2	280	32.67	5.48	18.05	4.03	MR
25.	MUB- PUA-7- 1-4	2	319.5	32.3	5.91	17.95	3.94	MR
26.	Pelimon d Cleveland d	1	300.5	21.48	4.29	21.65	5	R
27.	DPL 15	2	347.5	26.59	5.96	21.56	3.97	MR
28.	Stone Ville	3	160	42.35	7.03	20.56	3.21	S
29.	Coker	4	127.5	40.35	7.2	21.15	2.59	HS
30.	14-2	2	318	21	5.14	18.76	4.38	MR
31.	30-1	2	264.5	31.2	6	21.3	3.98	MR
32.	35-4	3	247.5	22.67	5.21	19.01	3.78	S

33.	415\49-45F X LSS 3\36	1	307.5	21.48	5.37	19.53	4.77	R
34.	418\49-45F X LSS 1\63	3	160	44.89	6.45	17.75	3.46	S
35.	9-69-5	2	324.5	23.78	6.62	18.93	4.18	MR
36.	D 4	1	388	21.74	5.58	19.31	4.56	R
37.	D 16	4	133.5	40.12	6.95	20.61	2.99	HS
38.	D 20	3	274.5	21	5.01	19.53	4.61	S
39.	PRS 12	1	370	21.15	5.54	18.98	4.65	R
40.	467 MD	2	273.5	30.5	5.86	17.95	4.02	MR
41.	SH 169	1	364.5	21.48	5.82	17.67	4.74	R
42.	H 423	2	266.5	35.6	7.15	18.14	3.85	MR
43.	H 494	3	260.5	36.74	7.35	21.16	2.58	S
44.	MU 2	4	125.5	47.48	7.35	21.68	2.38	HS
45.	JA 1	3	327	43.41	7.16	21.16	3.24	S
46.	H 487	2	344.5	23.78	6.77	18	3.95	MR
47.	SH 469	2	389.5	27.11	5.09	20.51	3.25	MR
48.	SH 269	3	290.5	40.32	6.09	22.5	3.01	S
49.	RS 277	2	267.5	30.25	5.88	20.13	3.89	MR

50.	RS 212	2	330.5	25.26	5.9	17.89	4.26	MR
51.	RS 267	4	130	44.23	6.35	21.58	2.45	HS
52.	RS 253	1	410.5	21.37	5.49	18.4	5.41	R
53.	RS 75	3	148.5	35.1	6.25	22.53	4.01	S
54.	RS 216	2	268.5	27.85	6.2	18.68	6.65	MR
55.	LH 33	2	229	30	6.16	21.71	3.53	MR
56.	LH 48	2	332	35.2	6.19	21.87	3.89	MR
57.	LH 62	2	321	21.3	5.58	20.75	3.25	MR
58.	ABS 1	3	154.5	43.28	6.59	21.67	3.15	S
59.	F SB 3	3	232.5	40.88	6.73	23.56	3.38	S
60.	TCH 1742	1	305	22.48	4.05	19.55	4.74	R
61.	TCH 1772	2	292.5	22.85	3.96	18.65	3.59	MR
62.	TCH 1802	3	235.5	36.59	6.8	22.56	3.09	S
63.	TCH 1569	1	310.5	21.59	4.05	19.39	5.02	R
64.	KC 2	1	406.5	20.99	3.86	17.07	6.58	R
65.	RU 4\4	1	305.5	21.19	4.38	18.98	4.58	R
66.	TCH 1807	1	362.5	24.59	5.37	19.12	4.43	R
67.	Paula	1	382.5	21.56	5.28	19.23	4.78	R

68.	SA 344	2	255	26.19	5.65	18.19	3.23	MR
69.	TCH 1811	1	352	21.56	5.45	19.45	4.06	R
70.	SA 443	3	361.5	45.84	7.46	21.98	3.14	S
71.	SA 578	2	220.5	29.81	7.17	18.35	4.03	MR
72.	SICIDS	2	250	26.07	5.01	18.46	3.97	MR
73.	SE 42-1- 1-47-7	2	220.5	22.33	5.35	18.65	3.93	MR
74.	T 82-2 Wilds	2	321.5	25.24	5.12	19.55	3.25	MR
75.	167\62	2	342	29.7	5.77	18.87	3.81	MR
76.	G 4836	4	131.5	47.9	7.7	23.45	2.57	HS
77.	Tamcot SP 215	3	169	42.3	7.31	24.44	3.59	S
78.	IC 263 SF	3	162.5	53.41	7.433	23.51	3.63	S
79.	TCH 1820	1	275	21.5	3.86	19.96	5.42	R
80.	1/10\13	2	218	24.11	5.48	20.35	3.67	MR
81.	83-7	2	318	26.33	5.61	18.19	3.67	MR
82.	E-515	2	307.5	24.89	3.92	21.3	6.22	MR
83.	B-61- 1862	1	358.5	21.19	3.96	20.51	6.38	R
84.	EC-1 32024	2	220.5	22.37	5.72	19.28	3.98	MR
85.	G-09-0- 12-8-5	2	309.5	22.26	6	18.68	4.07	MR

86.	Empire Glandles s	2	267.5	32.3	6.18	18.03	4	MR
87.	G Cot 100	3	279.5	47.85	6.99	18.98	2.62	S
88.	T 23	2	332.5	25.63	6.3	17.67	3.58	MR
89.	Alabar- 637	1	371.5	21.37	4.96	20.78	4.39	R
90.	AP-19- 2-1	3	172.5	24.78	6.28	18.68	3.6	S
91.	AR 8	2	372.5	24.33	4.86	20.37	3.84	MR
92.	AR 9	3	217.5	21.15	3.84	19.31	5.98	S
93.	AS 2	2	297.5	28.96	6.3	18.05	3.98	MR
94.	Acc. No. 358312	3	162.5	47.48	7.26	22.04	3.9	S
95.	AKH 0401	3	231.5	49.33	7.23	19.69	3.93	S
96.	F 1861	2	248.5	51.56	7.23	19.69	3.93	MR
97.	GISV 01/876	2	300.5	29.96	6.4	18.3	4.24	MR
98.	HSC-1- 133	2	252.5	28.22	7.22	18	4.38	MR
99.	HSC-2- 264	2	302.5	28.59	6.27	17.84	4.06	MR
100 .	HT- 5(74/44)	2	317.5	27.85	5.66	18.68	3.93	MR
C1	KC 3	1	402.5	21.93	5.82	17.45	6.45	R
C2	MCU 5	2	302.5	25.26	6.72	18.44	6.01	MR
C3	SVPR 6	2	246.5	27.48	7.26	20.35	5.18	MR
C4	CO 14	3	262.5	28.96	7.08	18.71	4.74	S
C5	CO 17	3	138.5	36.74	7.17	20.4	4.62	S

Note: R-Resistant, MR-Moderately resistant, S-Susceptible, HS-Highly susceptible