

**Table 1.5. Performance of AVTs entries against different diseases under multilocation testing during 2018-19**

S. No.	Entry	LB (dd)		KB (%)		PM (0-9)		FHB (0-5)		FS (%)		LS (%)		FR (%)	HB (%)	
		HS	Avg.	HS	Avg.	HS	Avg.	HS	Avg.	HS	Avg.	HS	Avg.		HS	Avg.
<b>I. Northern Hill Zone</b>																
1	HPW349 (C)	56	35	15.7	9.2	9	3	4	3	6.8	1.7	76.6	34.9	70.0	40.2	20.1
2	VL907 (C)	56	35	11.4	7.4	7	3	4	2	7.5	2.7	73.3	39.8	45.0	45.4	24.7
3	HS507 (C)	89	46	7.1	3.5	5	2	4	3	8.3	2.1	75.0	32.1	33.3	60.0	31.1
4	HS652	46	35	10.9	7.0	7	3	4	2	9.3	4.4			30.0	61.3	36.0
5	HS562 (C)	58	35	11.1	7.0	7	3	5	3	11.1	2.9	65.0	36.9	0.0	0.0	0.0
6	VL892 (C)	58	36	9.0	6.6	7	3	7	5	10.5	5.3	49.0	30.0	44.4	50.0	29.8
7	HS490 (C)	78	46	9.3	6.8	7	3	5	4	9.6	2.6	75.0	30.5	25.0	3.8	1.9
8	HPW468	68	46	8.3	5.3	7	2	5	4	8.3	2.1			5.0	52.3	26.8
9	HS673	78	46	7.5	4.0	7	2	4	3	13.6	8.3			0.0	57.7	29.8
10	VL3020	68	36	8.6	6.3	6	2	4	3	6.8	2.4			6.2	23.3	12.0
11	UP3041	57	46	5.0	2.9	7	3	4	3	10.3	5.4			NG	50.0	30.1
12	HPW467	58	35	12.2	5.7	9	4	4	3	9.6	2.4			NG	23.2	12.4
13	HS674	79	45	13.3	7.1	3	2	5	3	8.6	2.2			NG	46.9	26.0
14	VL3019	79	45	8.6	3.3	7	4	4	3	7.5	3.0			NG	62.3	34.0
15	VL3021	67	35	5.7	4.3	5	3	4	4	8.1	2.5			NG	5.7	5.0
<b>II. North Western Plain Zone</b>																
16	WH1105 (C)	78	46	13.4	7.2	5	2	4	3	9.3	2.3	26.9	15.7	NG		
17	HD3226(I) (C)	89	46	6.1	4.4	5	2	4	3	8.1	2.4	47.6	30.3	NG		
18	HD3086 (C)	78	46	9.9	5.7	5	2	5	3	7.8	2.2	17.8	7.6	NG		
19	PBW820 <sup>M</sup>	67	46	5.0	4.2	7	4	4	3	6.6	1.8			NG		
20	DBW 221*	68	46	13.0	6.2	7	4	4	2	8.3	3.7	73.3	29.7	NG		
20A	Infector	79	67	21.3	16.6	9	5	4	4	30.8	22.7					
21	DBW 222*	67	46	9.1	5.4	7	4	4	2	6.3	2.5	14.6	4.9	10.0		
22	PBW550 (C)	68	35	11.2	6.7	7	3	5	3	6.1	3.8			0.0		
23	PBW821 <sup>M</sup>	78	46	6.7	4.1	9	4	4	3	7.5	2.5			56.2		
24	HD2967 (C)	57	35	11.1	6.6	7	3	4	3	7.1	2.5	51.2	26.6	70.0		
25	NW 7049	89	46	13.8	7.2	7	3	4	3	5.6	2.5			37.5		
26	DPW621-50 (C)	78	45	9.1	5.0	9	4	4	2	8.5	2.1	53.1	29.1	44.4		

27	DBW88 (C)	89	46	17.8	7.8	9	4	4	2	8.3	2.4	36.6	17.6	25.0		
28	PBW752(I) (C)	89	46	10.0	4.3	9	4	4	2	6.1	3.3	72.3	36.8	60.0		
29	DBW173 (C)	57	46	6.7	4.3	9	3	4	3	5.7	1.8	68.7	42.3	30.0		
30	WH1021 (C)	89	57	11.7	6.2	7	3	5	3	6.3	2.9	74.4	37.0	30.0		
31	HD3059 (C)	78	46	8.3	4.2	9	3	4	2	6.6	1.8	59.4	37.7	NG		
32	WH1124 (C)	99	46	9.2	5.0	7	3	4	3	7.3	2.3	13.3	4.4	NG		
33	PBW 771*	89	45	9.0	5.9	9	4	4	3	9.1	4.9	34.1	23.6	0.0		
34	HI1620(I) (C)	78	45	11.9	8.1	7	4	4	2	10.2	2.6	45.7	25.6	45.0		
35	PBW 796	89	46	11.0	6.0	5	2	4	3	6.5	1.8			90.0		
36	HI 1628*	99	46	12.1	8.5	7	3	5	3	9.8	2.6	62.3	46.9	30.0		
37	WH1142 (C)	79	36	6.5	3.4	7	3	4	2	11.3	4.7	52.2	24.4	45.0		
38	HD3043 (C)	79	46	12.2	6.5	9	3	4	2	5.6	2.1	33.5	20.9	35.0		
39	PBW644 (C)	79	46	8.1	5.4	9	4	4	2	6.3	3.5	42.9	28.8	65.0		
40	HD3237(I) (C)	78	46	7.8	5.8	7	4	5	3	7.5	2.1	39.6	21.1	22.2		
40A	Infector	89	67	23.2	17.8	9	6	5	4	41.0	26.3					
41	BRW 3806*#	79	46	18.0	9.6	7	2	4	2	5.6	2.0	80.0	33.4	65.0		
42	NIAW 3170*	68	46	6.9	4.2	7	2	4	3	6.4	1.6	72.1	46.0	55.0		
43	WH1080 (C)	68	46	8.3	4.8	7	2	4	3	7.8	2.0	65.0	29.8	65.0		
<b>III. North Eastern Plain Zone</b>																
44	HD3249*#Q	67	45	12.2	6.0	9	3	4	3	4.3	1.8	26.7	22.6	65.0		
45	HD2733 (C)	89	46	11.1	5.2	9	4	4	2	5.7	1.4	51.3	21.3	38.8		
46	PBW 781	57	45	8.9	3.9	5	3	4	3	7.8	4.6			5.0		
47	DBW 257	79	46	10.0	6.6	5	3	4	3	6.1	1.8			10.0		
48	DBW39 (C)	57	45	17.8	7.6	5	3	5	3	8.3	4.2	70.9	31.1	50.0		
49	HD 3277	77	46	7.1	4.0	3	2	4	2	9.1	2.5			25.0		
50	RAJ 4529	78	45	13.8	7.2	5	2	4	3	4.5	1.1			5.0		
51	DBW187(I) (C)	78	46	6.6	2.5	5	2	4	3	5.9	1.5	53.1	29.2	7.1		
52	WH 1239	68	46	7.5	3.8	7	3	4	2	3.9	1.1			0.0		
53	K0307 (C)	79	45	8.6	5.3	7	3	4	2	4.1	1.4	43.8	29.0	0.0		
54	HD2967 (C)	78	35	13.8	8.6	7	4	4	3	6.0	3.6	38.2	20.6	10.0		
55	K1317 (C)	89	46	6.4	4.3	7	3	4	4	3.5	1.3	66.4	32.3	0.0		
56	HI1612 (C)	69	35	4.5	2.1	5	2	4	2	9.5	6.1	62.0	23.0	0.0		
57	HD 3293	68	35	5.1	1.9	5	2	4	2	8.1	4.9			5.0		

58	HD3171 (C)	68	35	16.7	7.7	7	3	4	3	6.4	3.5	23.7	10.4	5.5		
59	HD2888 (C)	57	46	17.8	11.3	7	5	5	4	7.3	3.5	46.9	27.9	12.5		
60	DBW 252*#	57	45	8.5	4.1	7	3	4	3	11.1	7.4	40.0	26.0	62.5		
60A	Infector	89	67	27.3	19.6	9	5	5	4	28.1	20.9					
61	K8027 (C)	68	45	11.1	7.0	9	4	4	3	7.4	6.8	47.7	20.0	40.0		
62	DBW 273	89	45	4.3	2.3	6	4	4	4	8.9	2.9			35.0		
<b>IV. Central Zone</b>																
63	HI8713(d) (C)	89	46	4.6	2.8	9	4	5	4	9.6	3.0	0	0	25.0		
64	NIDW 1158 (d)	89	46	10.6	4.5	7	3	4	3	5.3	2.1			10.0		
65	HI 8811 (d)	78	46	4.5	2.2	9	4	4	4	4.2	1.1			27.7		
66	HD3343 <sup>M</sup>	89	57	13.4	8.4	9	5	5	4	7.5	3.3			50.0		
67	GW322 (C)	89	57	8.3	5.9	9	5	5	3	6.2	2.6	60.9	33.4	45.0		
68	HI1544 (C)	89	56	14.7	4.3	9	5	5	3	29.9	11.4	34.9	13.5	14.2		
69	HI8737(d) (C)	89	46	5.6	2.6	9	5	4	3	8.5	2.1	5.0	1.3	5.0		
70	HI 8812 (d)	89	56	6.7	4.4	9	5	4	3	4.9	1.2			0.0		
71	GW 1348 (d)	89	46	5.7	3.3	7	4	5	4	5.5	2.6			5.0		
72	DDW 49 (d)	89	46	4.7	2.6	9	5	4	3	1.6	0.4			50.0		
73	PBW 822 <sup>B</sup>	78	46	5.7	2.8	7	4	5	3	0.5	0.1			5.0		
74	HD 3345 <sup>B</sup>	57	35	10.3	4.0	7	3	5	4	5.6	2.4			5.0		
75	DDW 48 (d)	56	35	4.3	1.9	7	3	4	3	6.1	2.2			0.0		
76	HI8627(d) (C)	67	36	8.0	3.6	7	3	5	4	1.1	0.3	10.0	2.5	10.0		
77	DBW110 (C)	89	56	16.2	5.7	7	3	5	4	0.0	0.0	45.0	26.9	15.0		
78	UAS 466(d)*	78	46	9.3	5.4	7	4	5	4	5.6	2.1	18.6	4.7	37.5		
79	MP3288 (C)	79	57	9.1	6.7	7	4	5	3	4.6	2.2			35.0		
80	DBW 277	67	45	13.4	6.4	7	4	4	2	4.3	1.2			60.0		
80A	Infector	89	67	19.6	12.6	9	5	5	4	25.0	18.1					
81	DDW 47(d)* <sup>Q</sup>	57	35	10.3	4.6	3	2	4	4	8.3	2.2	5.0	1.3	7.1		
82	HD2932 (C)	89	56	13.5	4.5	5	3	4	3	4.8	2.1			45.0		
83	HD2864 (C)	79	57	12.2	7.3	7	4	5	3	7.1	2.1			65.0		
84	MP3336 (C)	99	57	10.1	4.2	7	5	5	3	6.6	2.0			65.0		
85	MP4010 (C)	79	57	15.7	9.0	7	5	5	3	5.3	1.7			80.0		
86	CG1029	89	46	14.1	7.4	9	5	5	3	26.1	9.9			90.0		
87	UAS3002	68	46	6.2	3.8	5	3	5	3	9.3	2.3			70.0		

88	HI1633	79	56	13.4	5.5	7	3	5	3	8.6	2.2			60.0		
89	HI1634	89	46	6.1	3.8	5	3	5	5	7.5	2.7			55.0		
90	HI8808 (d)	99	57	16.7	7.3	5	4	4	3	6.3	2.2			70.0		
91	HI8807 (d)	89	56	8.8	3.5	5	3	4	3	1.9	0.5			55.0		
<b>V. Peninsular Zone</b>																
92	PBW 823 <sup>B</sup>	99	46	6.8	3.2	6	4	4	4	1.0	0.2			5.0		
93	UAS428 (d) (C)	78	46	10.0	4.2	6	3	4	3	7.1	2.4	45.0	15.0	40.0		
94	DDW 49 (d)	89	56	4.8	2.3	5	3	4	3	1.5	0.4			11.1		
95	UAS 3001	89	46	12.2	5.4	7	4	4	3	2.7	0.7			55.0		
96	MACS3949 (d) (C)	99	46	2.9	1.6	7	4	4	3	5.3	2.4	6.1	5.1	35.0		
97	MACS6222 (C)	78	46	4.5	3.1	5	3	4	2	4.8	1.9	49.3	20.2	5.0		
98	GW 322 (C)	99	57	10.0	6.5	7	3	4	3	5.6	3.7			40.0		
99	DDW 48 (d)	99	57	8.9	4.2	9	4	5	3	5.0	1.3			50.0		
100	MACS6478 (C)	89	46	12.6	6.9	5	3	5	3	4.3	1.7	45.0	25.0	5.0		
100A	Infector	89	68	27.4	22.0	9	6	5	4	34.0	21.9					
101	HD3343 <sup>M</sup>	99	56	13.7	9.4	7	4	5	4	4.5	3.4			25.0		
102	WHD 963 (d)	89	56	10.5	4.3	7	3	5	4	0.5	0.1			20.0		
103	HI8807(d)	79	46	5.0	2.8	9	4	4	3	2.1	0.5			10.0		
104	HI1633	79	46	13.3	6.2	7	3	5	3	3.5	1.3			25.0		
105	UAS 3002	89	57	9.1	4.3	7	3	5	3	6.9	1.9			10.0		
106	Raj4083 (C)	99	57	12.2	6.6	5	3	5	2	7.6	1.9			25.0		
107	HD2932 (C)	99	57	17.4	11.0	5	3	5	3	13.6	9.0			22.2		
108	GW509	99	57	12.2	7.9	7	3	4	3	9.1	3.4			10.0		
109	HD3090 (C)	89	57	16.1	9.2	9	3	5	3	14.3	11.0			5.0		
110	NIAW 3170*	89	56	8.5	5.8	7	2	4	3	8.7	2.2			0.0		
111	GW 1346(d)*	89	56	10.0	5.9	7	5	5	3	3.4	0.9	46.6	11.7	15.0		
112	MACS 4058(d)*	58	46	11.1	5.4	7	2	4	3	1.1	0.3	5.0	1.3	10.0		
113	DBW93 (C)	89	46	12.6	4.8	7	3	4	3	13.9	8.6	34.3	23.2	20.0		
114	HI 8805(d)*	89	46	11.7	5.7	7	3	4	2	0.5	0.1	6.3	1.6	0.0		
115	AKDW2997- 16(d) (C)	99	57	5.0	2.5	9	5	5	3	1.5	0.4	6.7	3.7	50.0		
116	MACS 6695*	89	56	10.5	6.4	7	3	4	3	1.3	0.4	55.6	26.7	10.0		
117	UAS446(d) (C)	89	56	8.2	4.0	7	3	4	3	3.1	0.8	8.5	3.1	15.0		



<b>AST)</b>															
144	WH1223	99	45	9.6	5.7	5	2	4	3	8.3	2.5			0.0	
145	KRL19 (C)	89	46	13.3	5.5	5	3	5	3	6.6	1.9			0.0	
146	Kharchia65 (C)	89	56	28.0	11.6	7	3	4	3	11.4	5.6			65.0	
147	NW 7060	68	46	10.8	7.3	5	2	5	3	6.1	2.0			35.0	
148	KRL210 (C)	68	46	9.6	4.7	5	2	5	4	4.3	1.2			60.0	
149	WH 1228	89	46	11.5	5.8	3	2	5	3	7.6	2.9			80.0	
150	NW 7062	89	46	10.0	6.2	6	3	5	3	8.1	2.7			0.0	
<b>IX. Special Trial (SPL-VLS)</b>															
151	PBW757 (C)	89	46	8.6	2.8	5	3	5	3	7.5	2.9	51.9	28.3	0.0	
152	WR544 (C)	79	57	14.2	6.4	7	3	5	4	6.6	2.1	62.5	27.4	5.0	
153	HD3298	89	46	6.6	3.7	5	3	4	3	3.5	1.2	29.4	20.5	45.0	
154	HD3271	78	46	8.0	5.5	5	2	5	4	8.2	4.9	65.7	42.3	45.0	
155	DBW14 (C)	79	46	13.1	4.9	6	3	5	4	2.5	0.6	33.8	14.1	50.0	
156	DBW71 (C)	89	50	11.5	6.5	5	3	5	4	10.8	3.3	37.8	26.9	25.0	
157	HI1621	89	56	7.5	5.6	5	2	5	3	6.7	2.8	12.6	9.0	40.0	
158	PBW 797	78	45	11.3	5.7	5	2	4	3	5.4	2.2	40.6	20.2	57.1	
158A	Infector	89	67	23.1	17.9	7	5	5	4	37.5	23.2				

(LB – Leaf blight, KB – Karnal bunt, PM – Powdery mildew, FHB – Fusarium head blight or head scab, FS – Flag smut, LS – Loose smut, FR – Foot rot, HB – Hill bunt)