

Table: Performance of AVTs entries against different diseases under multilocation testing during 2019-20

S. No.	Entry code	Entry	LB (dd)		KB (%)		PM (0-9)		FS (%)		FHB (0-5)	FR (%)	LS (%)		HB (%)	
			AV	HS	AV	HS	AV	HS	AV	HS	HS	HS	AV	HS	AV	HS
I. North Hill Zone (NHZ)																
1	NHTSZ-1901	HS 507 (C)	35	78	2.9	8.3	3	5	7.1	8.7	5	20.0	24.7	46.7	11.1	18.4
2	NHTSZ-1902	HS 562 (C)	45	89	4.2	11.6	3	5	4.1	9.3	4	5.0	34.4	58.7	16.2	36
3	NHTSZ-1903	HPW 349 (C)	35	68	9.2	31.3	3	7	4.7	8.3	5	29.4	22.1	45.8	21.3	57.3
4	NHTSZ-1904	HS 668	46	79	5.8	15.3	4	6	3.7	11.1	4	5.6			26.1	50
5	NHTSZ-1905	VL 907 (C)	45	79	5	8.6	4	6	4.2	12.5	4	20.0	21.3	26.9	6.3	12.5
6	NHTSZ-1906	VL 2036	46	89	4.7	11.8	4	6	6.6	13.3	4	16.7			20.9	48.9
7	NHLSZ-1901	HS 681	34	78	4.8	10	3	4	4.2	12.5	5	15.0			15.8	37.5
8	NHLSZ-1902	VL 3022	35	78	4.4	8.2	2	6	5.5	16.6	5	16.7			13	28.6
9	NHLSZ-1903	HS 680	35	89	6.1	15	3	5	8.7	11.1	4	5.9			10.1	26.6
10	NHLSZ-1904	VL 3023	56	89	8.3	23.8	3	6	4.2	8.6	5	11.8			21.1	41.1
11	NHLSZ-1905	HPW 474	57	99	3.5	9.5	2	4	2.8	8.3	5	35.0			19.9	31.5
12	NHLSZ-1906	UP 3069	46	79	3.6	11.1	3	5	5.7	8.6	4	11.1			11.9	25
13	NHLSZ-1907	HPW 473	46	79	4.8	9.1	2	5	10.6	16.6	5	0.0			8.5	19.7
14	NHLSZ-1908	VL 892 (C)	46	99	7.9	15.6	5	7	10	14.3	5	5.6	20	34.6	48.7	100
15	NHLSZ-1909	VL 3024	45	89	5.1	13.6	4	6	8	13.3	5	0.0			5.6	15
16	NHLSZ-1910	HS 490 (C)	46	89	4	14.3	2	5	10.5	14.2	5	10.5	18.9	36.8	10.4	26.5
17	NHLSZ-1911	HS 679	46	89	4.4	14.3	4	7	4.4	13.3	5	31.3			10.2	17
II. North Western Plain Zone (NWPZ)																
18	NW-TS-101	DBW88 (C)	46	99	4.7	12.4	4	7	3.5	10.5	5	42.1	45.5	73.3		
19	NW-TS-102	DBW187(I) (C)	46	99	4.9	13.3	4	6	5.8	13.6	4	37.5	31	46.7		
20	NW-TS-103	HD2967 (C)	35	78	3.7	10	4	6	8	8.3	5	0.0	32.8	86.7		
20A	Infector	Infector	78	99	15.3	30.7	7	9	25.8	26.6	5					
21	NW-TS-104	WH1105 (C)	57	89	5.3	9	4	7	5.5	16.6	5	26.7	40.5	60.3		
22	NW-TS-105	DBW222(I) (C)	45	89	6.6	13.6	3	6	6.6	13.3	4	78.6	6.5	15		
23	NW-TS-106	HD3086 (C)	46	89	3.2	8.3	4	5	5.6	14.2	5	20.0	3.6	12.5		
24	NW-TS-107	PBW840	46	99	5.3	15	4	7	6	15	5	29.4				
25	NW-TS-108	PBW803	46	89	4.2	13.6	5	7	6.6	14.6	5	84.2				
26	NW-TS-109	PBW550 (C)	46	99	7.9	26.7	6	9	10.1	14.5	4	20.0	35.7	59		
27	NW-LS-201	HD3334	46	99	4.4	11.1	3	5	9	16.6	5	35.0				

S. No.	Entry code	Entry	LB (dd)		KB (%)		PM (0-9)		FS (%)		FHB (0-5)	FR (%)	LS (%)		HB (%)	
			AV	HS	AV	HS	AV	HS	AV	HS	HS	HS	AV	HS	AV	HS
28	NW-LS-202	HD3059 (C)	46	89	3.3	8.3	4	6	6.4	11.1	5	5.0	27.7	81.1		
29	NW-LS-203	HD3332	46	99	5	12.3	4	5	9.1	14.6	4	31.3				
30	NW-LS-204	DBW173 (C)	56	89	2.2	7.5	4	7	4.2	12.5	4	44.4	25.5	62.5		
31	NW-LS-205	WH1021 (C)	57	99	3.2	12.5	4	5	2.8	8.3	4	36.8	28.1	77.7		
32	NW-LS-206	PBW811	46	89	3.3	10.6	3	7	4.4	9.5	4	15.0				
33	NW-LS-207	DBW291	46	89	4.5	10	3	6	4.8	8.3	4	29.4				
34	NW-LS-208	WH1264	46	89	6.5	14.3	3	5	5.5	12.5	5	66.7				
35	NW-LS-209	PBW812	46	89	4	16.6	3	7	8.4	13.6	5	66.7				
36	NW-LS-210	JKW261	35	89	4.2	12.6	4	7	7.1	11.1	5	0.0				
37	NW-LS-211	DBW290	45	89	4.6	8.6	4	7	11.5	16.6	5	44.4				
38	NW-LS-212	PBW771(I) (C)	46	89	4.8	8.3	6	9	10.5	16.7	4	23.5	43.8	83.3		
39	NW-LS-213	PBW813	45	89	5	8	5	7	2.9	8.6	4	20.0				
40	NW-LS-214	HD3331	46	89	4.3	10.8	3	7	4.6	9.5	4	6.7				
40A	Infector	Infector	78	99	12.1	22.2	7	9	26.4	34.5	5					
41	NW-LS-215	HD3298*	46	89	4	7.5	2	4	8	13.2	5	80.0	10.9	16.1		
42	NW-LS-216	WH1124 (C)	57	89	2.5	9.1	3	5	4.7	8.3	5	60.0	21.3	85		
43	NW-LS-217	UP3033	46	89	5	12.5	3	4	5.7	8.6	3	47.4				
44	NW-RI-301	HUW838	46	89	4.6	14.3	3	5	2.5	7.5	5	79.0				
45	NW-RI-302	HD3043 (C)	45	89	4	13.3	3	6	2.7	6.6	5	10.0	38	87.1		
46	NW-RI-303	PBW644 (C)	46	89	6	12.5	3	6	11.3	15.3	4	30.0	21.7	43.8		
47	NW-RI-304	DBW296	46	89	6.2	18.3	2	7	7	11.1	5	66.7				
48	NW-RI-305	HI1628(I) (C)	46	89	4.7	16.7	2	4	5.7	13.3	5	0.0	52	71.2		
49	NW-RI-306	WH1080 (C)	46	99	4.7	15	2	4	8.1	14.2	3	5.0	47.8	64.5		
50	NW-RI-307	JAUW672	46	89	4.2	13.7	3	6	5.3	12.3	5	0.0				
51	NW-RI-308	WH1142 (C)	46	89	5	15	3	5	6.3	13.5	5	0.0	46.6	99.2		
52	NW-RI-309	NIAW3170(I) (C)	56	99	5.4	18.7	2	4	6.1	16.6	5	5.0	37.7	56.7		
III. North Eastern Plain Zone (NEPZ)																
53	NE-IR-TS-101	PBW804	46	89	5.8	16.7	2	3	4.2	12.5	5	5.0				
54	NE-IR-TS-102	DBW187 (C)	46	99	3.4	14.3	2	3	5.6	11.3	5	0.0	31	46.7		
55	NE-IR-TS-103	K1006 (C)	46	79	3.3	12.5	3	4	5	15	5	5.6				
56	NE-IR-TS-104	DBW39 (C)	45	89	3.6	8.6	3	6	4.8	12.5	5	0.0	41.9	95		

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			AV	HS	AV	HS	AV	HS	AV	HS	HS	HS	AV	HS	AV	HS
57	NE-IR-TS-105	HD3249(I) (C)	46	99	4.2	11.3	3	7	7.8	14.6	5	5.0	20.5	35		
58	NE-IR-TS-106	HD2733 (C)	46	89	3.8	14.4	4	7	5.4	16.3	4	0.0	16.3	37.5		
59	NE-RI-TS-301	HD3171 (C)	56	99	4.8	12.6	4	9	9.4	13.2	4	0.0	17.1	34.7		
60	NE-RI-TS-302	HD2888 (C)	45	89	11.6	40	3	5	13.1	17	4	27.8	16.1	45.1		
60A	Infector	Infector	78	99	11.9	25	6	9	28.8	37.3	5					
61	NE-RI-TS-303	HD3293*	35	89	3.9	11.6	4	9	7.4	16.6	4	25.0	33.8	65		
62	NE-RI-TS-304	K1317 (C)	45	89	4.8	13.4	3	7	4.8	12.8	5	33.3	25.8	53.2		
63	NE-RI-TS-305	HI1612 (C)	35	78	5.3	9.3	3	5	7	14.6	4	42.1	37.4	81.1		
64	NE-RI-TS-306	DBW252(I) (C)	45	89	3.5	12.5	2	4	4.5	11.8	4	17.7	23.4	49.7		
IV. Central Zone (CZ)																
65	CZ-TS-101	TAW155	35	89	3.8	14.5	3	9	4.6	8.3	4	0.0				
66	CZ-TS-102	HI1636	46	99	4.5	10	5	9	4.6	10.5	5	0.0				
67	CZ-TS-103	MP1361	46	89	4.8	9.5	4	7	5.9	14.5	4	10.0				
68	CZ-TS-104	MACS6747	46	89	5.3	12.8	5	9	7.8	13.3	5	5.0				
69	CZ-TS-105	HD3377	46	89	2.1	7.5	5	8	2.9	8.6	5	0.0				
70	CZ-TS-106	HI1637	46	99	2.9	6.6	5	9	4.7	8.3	5	21.1				
71	CZ-TS-107	RAJ4541	46	89	4.5	12.5	3	7	5.6	8.3	4	0.0				
72	CZ-TS-108	GW513	56	89	5.6	14.3	5	9	3.7	11.1	5	10.0				
73	CZ-TS-109	GW322 (C)	45	89	5	15	4	9	4.6	7.5	4	0.0	43.9	66.5		
74	CZ-TS-110	HI1544 (C)	57	89	11.6	42.9	4	9	12.2	23.1	4	18.8	17.9	45		
75	CZ-LS-201	HI1634*	46	89	4.4	12.5	3	6	4.6	6.8	5	5.3	22.3	42.2		
76	CZ-LS-202	HD2932	46	89	3.6	10	4	9	2.5	7.5	5	47.4				
77	CZ-LS-203	MP3336	56	89	4.1	13.3	5	9	2.1	6.3	5	17.7	18.3	46.6		
78	CZ-LS-204	HD2864	56	89	4	8.6	4	6	2.5	7.5	5	27.8	12.6	37.4		
79	CZ-LS-205	CG1029*	56	99	4.4	12.5	5	9	3.7	8.3	5	84.2	28.5	44.6		
80	CZ-RI-301	MPO1357(d)	45	99	1.5	4.6	3	5	2	6	4	37.5				
80A	Infector	Infector	78	99	12.7	25	6	9	30.3	38.1	5					
81	CZ-RI-302	HI8627(d)	46	99	2.9	10	2	4	0	0	5	87.5	7.0	26.6		
82	CZ-RI-303	UAS466(d)(I)	46	89	1.4	5	2	4	0	0	4	42.9	3.9	12.5		
83	CZ-RI-304	UAS472(d)	46	99	2.1	5.1	4	6	0	0	5	41.2				
84	CZ-RI-305	DBW110	46	68	2.4	5	3	5	1.9	5.6	5	15.0	16.6	27.3		

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			AV	HS	AV	HS	AV	HS	AV	HS	HS	HS	AV	HS	AV	HS
85	CZ-RI-306	MP3288	46	89	3.7	6.3	4	7	2.7	8.1	4	20.0	30.5	48		
86	CZ-RI-307	HI 8823(d)	46	89	2.1	8.3	4	7	0	0	4	0.0				
87	CZ-RI-308	DDW47(d)(I)	36	79	2.7	5.2	2	6	0	0	5	5.3	3.9	12.5		
V. Peninsular Zone (PZ)																
88	PZ-TS-101	WHD964(d)	46	99	1.2	5	3	5	0	0	3	42.1				
89	PZ-TS-102	DDW48(d) *	45	99	1.5	6.7	3	5	0	0	3	57.9	4.5	12.5		
90	PZ-TS-103	MACS6222 (C)	57	89	4.5	8.7	5	9	2.2	6.7	4	25.0	31.2	53.3		
91	PZ-TS-104	MACS3949(d) (C)	56	99	1.4	5	4	9	0	0	4	16.7	10.4	16.6		
92	PZ-TS-105	HI8818(d)	46	99	2.2	5	4	6	0	0	4	36.8				
93	PZ-TS-106	UAS428(d) (C)	35	99	1.8	5.5	4	7	0	0	5	35.7	3.2	11.1		
94	PZ-TS-107	DDW49(d) *	45	99	4.2	8.4	5	7	0	0	5	30.0	27.3	52.5		
95	PZ-TS-108	GW322 (C)	57	89	7	17	4	7	2.8	8.3	5	0.0	29.4	46.4		
96	PZ-LS-201	GW519	57	99	4.2	8.6	4	9	7.1	16.3	5	10.0				
97	PZ-LS-202	HI1646	46	89	4.8	9.1	4	9	5.1	12.7	5	15.8				
98	PZ-LS-203	HD3090 (C)	46	99	4.5	12.3	4	6	4.9	14.7	5	10.0	44.7	73.3		
99	PZ-LS-204	RAJ4083 (C)	57	89	5.1	11.6	4	9	5.5	13.2	4	5.0	22.4	35.4		
100	PZ-LS-205	UAS3008	56	89	3.4	12.3	4	9	6.4	11.8	4	0.0				
100A	Infector	Infector	78	99	12.6	21.3	6	9	23.9	27.6	5					
101	PZ-LS-206	MACS6749	57	89	3.9	13.7	3	4	2.8	8.3	5	5.0				
102	PZ-LS-207	HD2932 (C)	57	89	3.5	14.2	4	9	4.2	12.5	5	0.0	30.9	42.2		
103	PZ-LS-208	HI1641	57	99	7.2	32	4	9	6.9	16.6	5	11.1				
104	PZ-LS-209	HI1642	56	89	3.5	12.4	5	9	5.1	12.5	5	31.6				
105	PZ-LS-210	HI1633*	56	89	3.2	11.2	5	9	2.9	8.7	5	0.0	24.8	40.9		
106	PZ-LS-211	MACS6752	56	89	5.1	16.7	5	9	5.2	7.5	5	10.0				
107	PZ-RI-301	NIDW 1149(d)*	56	89	1.9	6.5	5	9	0	0	4	10.0	3.3	13.3		
108	PZ-RI-302	UAS446(d) (C)	46	89	2.8	9.1	3	5	0	0	4	40.0	1.9	7.5		
109	PZ-RI-303	HI 1605 (C)	46	89	2.8	8.6	4	7	2.2	6.6	5	15.8	17.7	26		
110	PZ-RI-304	MACS 4087(d)	46	89	3.2	8.3	4	7	0	0	4	5.3				
111	PZ-RI-305	MP 1358	46	89	4.7	10.1	3	5	1.7	5	5	42.1				
112	PZ-RI-306	AKDW 2997-16(d)(C)	56	99	1.8	5.5	3	6	0	0	3	16.7	3.1	12.5		
113	PZ-RI-307	HI8805(d)(I)(C)	46	99	1.6	4.5	3	9	0	0	4	25.0	2.8	11.1		

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			AV	HS	AV	HS	AV	HS	AV	HS	HS	HS	AV	HS	AV	HS
114	PZ-RI-308	UAS 472(d)	46	89	1.7	3.8	5	8	0	0	5	25.0				
115	PZ-RI-309	MPO 1357(d)	46	89	1.4	5	5	8	0	0	5	10.0				
116	PZ-RI-310	NIAW3170(I) (C)	46	89	1.8	8.3	4	5	2.2	6.6	5	42.1	40.8	72		
VI. Special trial (Dicocum)																
117	Spl-DIC-101	MACS5055	45	68	1.7	6.6	2	6	0	0	4	0.0				
118	Spl-DIC-102	MACS6222 (aest.)(C)	46	89	3.5	10	3	6	2.8	8.3	4	50.0	27.8	53.8		
119	Spl-DIC-103	DDK1029 (C)	46	89	3	11.5	3	9	0	0	4	10.0	25.6	76.7		
120	Spl-DIC-104	MACS5054	46	89	1.4	6.3	3	7	0	0	4	58.8				
120A	Infector	Infector	78	99	13.3	28.6	7	9	29.6	35.8	5					
121	Spl-DIC-105	DDK1058	57	89	1.2	5	3	6	0	0	4	0.0				
122	Spl-DIC-106	HW1098 (C)	46	89	1.4	5	2	5	0	0	4	33.3	18.8	75		
123	Spl-DIC-107	DDK1059	46	89	1.6	5	3	6	0	0	4	10.5				
VII. Special trial (SPL-HYPT)																
124	SPL-HYPT-1	DBW327	46	89	4.4	12.5	3	6	4.7	9.1	4	27.8				
125	SPL-HYPT-2	HD3086 (C)	45	89	4.5	14.3	4	6	4.7	11.1	4	10.5	3.6	12.5		
126	SPL-HYPT-3	DBW332	45	89	4.7	13.3	4	6	3.3	10	5	36.8				
127	SPL-HYPT-4	DBW303*	46	89	2.6	8.7	3	7	4.2	12.5	5	26.3	23.8	45.5		
128	SPL-HYPT-5	HD2967 (C)	34	78	4	14.3	3	6	1.5	4.6	4	10.5	37.5	54.6		
129	SPL-HYPT-6	DBW187*	45	89	5.5	12.5	2	6	3.1	5.6	4	45.0	13.0	21.3		
130	SPL-HYPT-7	DBW329	45	89	2.3	7.6	3	6	4.1	7.5	5	20.0				
131	SPL-HYPT-8	WH1252	46	89	4.5	11.7	4	7	2.8	8.3	5	14.3				
132	SPL-HYPT-9	HD3378	45	89	3.7	10	3	6	3	9.1	4	35.3				
133	SPL-HYPT-10	WH1270*	46	89	4.6	13.3	3	6	4.2	8.6	5	15.0				
134	SPL-HYPT-11	DBW333	45	89	4.4	14.3	3	6	4.9	8.3	5	16.7				
135	SPL-HYPT-12	DBW330	35	89	4.4	12.5	3	4	8.2	11.1	4	10.0				
136	SPL-HYPT-13	DBW328	35	89	3.5	9.1	3	5	4.2	12.5	5	5.0				
137	SPL-HYPT-14	DBW331	35	89	4.4	12.8	5	7	4.4	13.3	5	5.0				

LB = Leaf blight, KB = Karnal bunt, PM = Powdery mildew, FS = Flag smut, FHB = Fusarium head blight, FR = Foot rot, LS = loose smut, HB = Hill bunt