

**Response of AVT entries against shootfly during 2019-20**

| AVT No.                                    | Entry code      | Entry         | Shoot fly incidence (%) |        |                | Average     |
|--|-----------------|---------------|-------------------------|--------|----------------|-------------|
|  |                 |               | Ludhiana                | Kanpur | Dharwad        |             |
| <b>I. North Hill Zone (NHZ)</b>            |                 |               |                         |        |                |             |
| 1  | NHTSZ-1901      | HS 507 (C)    | 6.3                     | 15.0   | Not germinated | 10.6        |
| 2  | NHTSZ-1902      | HS 562 (C)    | 5.7                     | 7.3    | Not germinated | 6.5         |
| 3  | NHTSZ-1903      | HPW 349 (C)   | 6.1                     | 5.0    | Not germinated | 5.5         |
| 4  | NHTSZ-1904      | HS 668        | 5.9                     | 10.0   | Not germinated | 8.0         |
| 5  | NHTSZ-1905      | VL 907 (C)    | 5.1                     | 9.4    | Not germinated | 7.2         |
| 6  | NHTSZ-1906      | VL 2036       | 6.0                     | 9.0    | Not germinated | 7.5         |
| 7  | NHLSZ-1901      | HS 681        | 5.5                     | 13.3   | 47.6           | 22.1        |
| 8  | NHLSZ-1902      | VL 3022       | 5.4                     | 5.0    | 34.3           | 14.9        |
| 9  | NHLSZ-1903      | HS 680        | 6.0                     | 7.6    | 57.8           | 23.8        |
| 10   | NHLSZ-1904      | VL 3023       | 5.5                     | 5.2    | 20.4           | 10.4        |
| 11   | NHLSZ-1905      | HPW 474       | 5.3                     | 6.7    | 44.4           | 18.8        |
| 12   | NHLSZ-1906      | UP 3069       | 6.0                     | 7.9    | 21.5           | 11.8        |
| 13   | NHLSZ-1907      | HPW 473       | 5.2                     | 8.7    | 7.1            | 7.0         |
| 14   | NHLSZ-1908      | VL 892 (C)    | 4.8                     | 7.3    | 31.7           | 14.6        |
| 15   | NHLSZ-1909      | VL 3024       | 5.4                     | 4.7    | 28.4           | 12.8        |
| 16   | NHLSZ-1910      | HS 490 (C)    | 5.7                     | 10.0   | 22.2           | 12.7        |
| 17   | NHLSZ-1911      | HS 679        | 5.4                     | 10.0   | 29.4           | 14.9        |
| <b>II. North Western Plain Zone (NWPZ)</b> |                 |               |                         |        |                |             |
| 18   | NW-TS-101       | DBW88 (C)     | 6.1                     | 8.3    | 26.6           | 13.7        |
| 19   | NW-TS-102       | DBW187(I) (C) | 5.6                     | 4.9    | 31.2           | 13.9        |
| 20   | NW-TS-103       | HD2967 (C)    | 4.7                     | 10.0   | 31.9           | 15.5        |
| <b>20A</b>                                 | <b>INFECTOR</b> |               | 8.3                     | 12.7   | 15.1           | <b>12.0</b> |
| 21   | NW-TS-104       | WH1105 (C)    | 4.9                     | 11.2   | 7.3            | 7.8         |
| 22   | NW-TS-105       | DBW222(I) (C) | 6.4                     | 3.3    | 10.0           | 6.6         |
| 23   | NW-TS-106       | HD3086 (C)    | 5.3                     | 9.3    | 4.6            | 6.4         |
| 24   | NW-TS-107       | PBW840M       | 5.7                     | 12.0   | NG             | 8.8         |
| 25   | NW-TS-108       | PBW803        | 5.3                     | 6.7    | 11.6           | 7.8         |
| 26   | NW-TS-109       | PBW550 (C)    | 5.7                     | 11.7   | 29.1           | 15.5        |
| 27   | NW-LS-201       | HD3334        | 6.4                     | 10.2   | 20.6           | 12.4        |
| 28   | NW-LS-202       | HD3059 (C)    | 4.7                     | 11.4   | 33.8           | 16.6        |
| 29   | NW-LS-203       | HD3332        | 5.6                     | 8.6    | 19.1           | 11.1        |
| 30   | NW-LS-204       | DBW173 (C)    | 5.6                     | 10.3   | 20.5           | 12.1        |
| 31   | NW-LS-205       | WH1021 (C)    | 6.2                     | 10.0   | 13.0           | 9.7         |
| 32   | NW-LS-206       | PBW811        | 6.3                     | 10.5   | 19.4           | 12.1        |
| 33   | NW-LS-207       | DBW291        | 5.5                     | 5.0    | 19.1           | 9.9         |
| 34   | NW-LS-208       | WH1264        | 5.4                     | 10.0   | 6.4            | 7.3         |
| 35   | NW-LS-209       | PBW812        | 5.4                     | 5.0    | 21.8           | 10.7        |
| 36   | NW-LS-210       | JKW261        | 5.3                     | 6.7    | 11.1           | 7.7         |
| 37   | NW-LS-211       | DBW290        | 5.4                     | 3.5    | 3.9            | 4.2         |
| 38   | NW-LS-212       | PBW771(I) (C) | 5.5                     | 5.4    | 9.5            | 6.8         |
| 39   | NW-LS-213       | PBW813        | 6.3                     | 3.6    | 7.2            | 5.7         |
| 40   | NW-LS-214       | HD3331        | 5.3                     | 2.0    | 7.1            | 4.8         |
| <b>40A</b>                                 | <b>INFECTOR</b> |               | 8.6                     | 5.9    | 10.3           | 8.2         |
| 41   | NW-LS-215       | HD3298*       | 4.7                     | 7.6    | 8.3            | 6.9         |
| 42   | NW-LS-216       | WH1124 (C)    | 6.2                     | 8.3    | 5.3            | 6.6         |

|   |                 |                 |     |      |      |             |
|---|-----------------|-----------------|-----|------|------|-------------|
| 43  | NW-LS-217       | UP3033          | 5.1 | 3.9  | 7.0  | 5.3         |
| 44  | NW-RI-301       | HUW838          | 5.8 | 7.8  | 11.6 | 8.4         |
| 45  | NW-RI-302       | HD3043 (C)      | 5.2 | 1.9  | 6.0  | 4.4         |
| 46  | NW-RI-303       | PBW644 (C)      | 5.9 | 12.0 | 9.6  | 9.2         |
| 47  | NW-RI-304       | DBW296          | 5.2 | 13.3 | 11.0 | 9.8         |
| 48  | NW-RI-305       | HI1628(I) (C)   | 5.6 | 3.3  | 10.3 | 6.4         |
| 49  | NW-RI-306       | WH1080 (C)      | 4.5 | 5.0  | 16.5 | 8.7         |
| 50  | NW-RI-307       | JAUW672         | 5.5 | 9.0  | 21.6 | 12.1        |
| 51  | NW-RI-308       | WH1142 (C)      | 5.6 | 7.6  | 10.0 | 7.7         |
| 52  | NW-RI-309       | NIAW3170(I) (C) | 4.9 | 7.9  | 21.1 | 11.3        |
| <b>III. North Eastern Plain Zone (NEPZ)</b> |                 |                 |     |      |      |             |
| 53  | NE-IR-TS-101    | PBW804          | 6.1 | 6.5  | 6.6  | 6.4         |
| 54  | NE-IR-TS-102    | DBW187 (C)      | 5.2 | 6.9  | 4.6  | 5.6         |
| 55  | NE-IR-TS-103    | K1006 (C)       | 5.5 | 4.5  | 3.7  | 4.6         |
| 56  | NE-IR-TS-104    | DBW39 (C)       | 5.4 | 3.5  | 4.9  | 4.6         |
| 57  | NE-IR-TS-105    | HD3249(I) (C)   | 5.7 | 16.1 | 4.3  | 8.7         |
| 58  | NE-IR-TS-106    | HD2733 (C)      | 4.9 | 3.3  | 4.7  | 4.3         |
| 59  | NE-RI-TS-301    | HD3171 (C)      | 6.5 | 3.7  | 4.4  | 4.8         |
| 60  | NE-RI-TS-302    | HD2888 (C)      | 6.4 | 6.9  | 5.2  | 6.2         |
| <b>60A</b>                                  | <b>INFECTOR</b> |                 | 8.2 | 12.3 | 9.1  | 9.8         |
| 61  | NE-RI-TS-303    | HD3293*         | 6.1 | 6.9  | 9.9  | 7.6         |
| 62  | NE-RI-TS-304    | K1317 (C)       | 5.7 | 6.2  | 9.1  | 7.0         |
| 63  | NE-RI-TS-305    | HI1612 (C)      | 5.8 | 10.2 | 12.7 | 9.6         |
| 64  | NE-RI-TS-306    | DBW252(I) (C)   | 5.9 | 6.5  | 11.9 | 8.1         |
| <b>IV. Central Zone (CZ)</b>                |                 |                 |     |      |      |             |
| 65  | CZ-TS-101       | TAW155          | 5.4 | 8.5  | 7.1  | 7.0         |
| 66  | CZ-TS-102       | HI1636          | 6.8 | 7.1  | 7.4  | 7.1         |
| 67  | CZ-TS-103       | MP1361          | 5.7 | 9.5  | 14.0 | 9.7         |
| 68  | CZ-TS-104       | MACS6747        | 5.3 | 14.3 | 9.0  | 9.6         |
| 69  | CZ-TS-105       | HD3377          | 5.7 | 16.1 | 19.8 | 13.9        |
| 70  | CZ-TS-106       | HI1637          | 5.7 | 10.0 | 16.7 | 10.8        |
| 71  | CZ-TS-107       | RAJ4541         | 5.4 | 12.9 | 10.8 | 9.7         |
| 72  | CZ-TS-108       | GW513           | 6.8 | 10.0 | 17.2 | 11.3        |
| 73  | CZ-TS-109       | GW322           | 4.8 | 3.9  | 23.8 | 10.8        |
| 74  | CZ-TS-110       | HI1544          | 5.5 | 1.7  | 29.7 | 12.3        |
| 75  | CZ-LS-201       | HI1634*         | 5.6 | 5.0  | 22.2 | 10.9        |
| 76  | CZ-LS-202       | HD2932          | 5.6 | 1.7  | 37.7 | 15.0        |
| 77  | CZ-LS-203       | MP3336          | 4.8 | 13.3 | 25.3 | 14.5        |
| 78  | CZ-LS-204       | HD2864          | 6.8 | 5.0  | 17.5 | 9.8         |
| 79  | CZ-LS-205       | CG1029*         | 4.9 | 3.6  | 11.6 | 6.7         |
| 80  | CZ-RI-301       | MPO1357(d)      | 4.9 | 3.6  | 9.8  | 6.1         |
| <b>80A</b>                                  | <b>INFECTOR</b> |                 | 7.8 | 14.3 | 12.7 | <b>11.6</b> |
| 81  | CZ-RI-302       | HI8627(d)       | 4.8 | 5.7  | 9.5  | 6.7         |
| 82  | CZ-RI-303       | UAS466(d)(I)    | 5.5 | 3.5  | 11.9 | 6.9         |
| 83  | CZ-RI-304       | UAS472(d)       | 5.1 | 5.3  | 21.9 | 10.8        |
| 84  | CZ-RI-305       | DBW110          | 5.5 | 1.7  | 10.1 | 5.8         |
| 85  | CZ-RI-306       | MP3288          | 5.1 | 5.0  | 6.3  | 5.5         |
| 86  | CZ-RI-307       | HI 8823(d)      | 6.2 | 7.0  | 25.0 | 12.7        |
| 87  | CZ-RI-308       | DDW47(d)(I)     | 5.9 | 3.5  | 11.0 | 6.8         |

| <b>IV. Peninsular Zone (PZ)</b>     |                 |                  |            |             |            |            |
|-------------------------------------|-----------------|------------------|------------|-------------|------------|------------|
| 88                                  | PZ-TS-101       | WHD964(d)        | 6.4        | 3.8         | 19.6       | 9.9        |
| 89                                  | PZ-TS-102       | DDW48(d) *       | 5.3        | 14.8        | 11.5       | 10.5       |
| 90                                  | PZ-TS-103       | MACS6222 (C)     | 6.0        | 3.8         | 10.2       | 6.7        |
| 91                                  | PZ-TS-104       | MACS3949(d)      | 5.5        | 13.3        | 6.9        | 8.6        |
| 92                                  | PZ-TS-105       | HI8818(d)        | 5.3        | 7.1         | 10.4       | 7.6        |
| 93                                  | PZ-TS-106       | UAS428(d) (C)    | 6.2        | 5.8         | 18.2       | 10.1       |
| 94                                  | PZ-TS-107       | DDW49(d) *       | 5.6        | 5.2         | 18.0       | 9.6        |
| 95                                  | PZ-TS-108       | GW322 (C)        | 4.8        | 1.7         | 11.2       | 5.9        |
| 96                                  | PZ-LS-201       | GW519            | 6.3        | 1.9         | 10.9       | 6.4        |
| 97                                  | PZ-LS-202       | HI1646           | 4.6        | 5.6         | 12.5       | 7.6        |
| 98                                  | PZ-LS-203       | HD3090 (C)       | 2.9        | 1.8         | 7.0        | 3.9        |
| 99                                  | PZ-LS-204       | RAJ4083 (C)      | 6.2        | 4.8         | 21.2       | 10.7       |
| 100                                 | PZ-LS-205       | UAS3008          | 6.2        | 0.0         | 18.7       | 8.3        |
| <b>100A</b>                         | <b>INFECTOR</b> |                  | <b>7.8</b> | <b>9.3</b>  | <b>9.5</b> | <b>8.9</b> |
| 101                                 | PZ-LS-206       | MACS6749         | 6.1        | 4.8         | 7.1        | 6.0        |
| 102                                 | PZ-LS-207       | HD2932 (C)       | 5.1        | 4.9         | 11.3       | 7.1        |
| 103                                 | PZ-LS-208       | HI1641           | 5.5        | 8.5         | 13.0       | 9.0        |
| 104                                 | PZ-LS-209       | HI1642           | 5.8        | 13.1        | 12.7       | 10.6       |
| 105                                 | PZ-LS-210       | HI1633*          | 6.1        | 12.9        | 18.1       | 12.4       |
| 106                                 | PZ-LS-211       | MACS6752         | 6.9        | 13.7        | 13.6       | 11.4       |
| 107                                 | PZ-RI-301       | NIDW 1149(d)*    | 5.9        | 8.9         | 17.0       | 10.6       |
| 108                                 | PZ-RI-302       | UAS446(d) (C)    | 5.8        | 14.4        | 16.2       | 12.1       |
| 109                                 | PZ-RI-303       | HI 1605 (C)      | 6.2        | 11.1        | 9.1        | 8.8        |
| 110                                 | PZ-RI-304       | MACS 4087(d)     | 5.4        | 8.3         | 10.8       | 8.2        |
| 111                                 | PZ-RI-305       | MP 1358          | 6.1        | 8.6         | 18.1       | 10.9       |
| 112                                 | PZ-RI-306       | AKDW 2997-1      | 5.7        | 4.1         | 19.6       | 9.8        |
| 113                                 | PZ-RI-307       | HI8805(d)(I) (C) | 6.0        | 1.8         | 15.1       | 7.6        |
| 114                                 | PZ-RI-308       | UAS 472(d)       | 5.7        | 5.1         | 16.6       | 9.1        |
| 115                                 | PZ-RI-309       | MPO 1357(d)      | 5.3        | 5.6         | 12.2       | 7.7        |
| 116                                 | PZ-RI-310       | NIAW3170(I) (C)  | 5.4        | 3.7         | 12.4       | 7.2        |
| <b>V. Special Trial (Dicocum)</b>   |                 |                  |            |             |            |            |
| 117                                 | Spl-DIC-101     | MACS5055         | 5.2        | 11.8        | 16.8       | 11.3       |
| 118                                 | Spl-DIC-102     | MACS6222 (ae)    | 5.3        | 4.2         | 12.9       | 7.5        |
| 119                                 | Spl-DIC-103     | DDK1029 (C)      | 5.0        | 11.8        | 10.5       | 9.1        |
| 120                                 | Spl-DIC-104     | MACS5054         | 4.6        | 5.3         | 25.6       | 11.8       |
| <b>120A</b>                         | <b>INFECTOR</b> |                  | <b>7.3</b> | <b>10.6</b> | <b>7.9</b> | <b>8.6</b> |
| 121                                 | Spl-DIC-105     | DDK1058          | 5.9        | 1.7         | 12.3       | 6.6        |
| 122                                 | Spl-DIC-106     | HW1098 (C)       | 4.8        | 8.5         | 9.2        | 7.5        |
| 123                                 | Spl-DIC-107     | DDK1059          | 5.9        | 1.7         | 3.3        | 3.6        |
| <b>VI. Special Trial (SPL-HYPT)</b> |                 |                  |            |             |            |            |
| 124                                 | SPL-HYPT-1      | DBW327           | 5.5        | 4.3         | 5.0        | 4.9        |
| 125                                 | SPL-HYPT-2      | HD3086 (C)       | 5.7        | 7.9         | 7.9        | 7.2        |
| 126                                 | SPL-HYPT-3      | DBW332           | 4.5        | 4.8         | 5.1        | 4.8        |
| 127                                 | SPL-HYPT-4      | DBW303*          | 5.6        | 1.4         | 7.4        | 4.8        |
| 128                                 | SPL-HYPT-5      | HD2967 (C)       | 5.9        | 1.7         | 12.4       | 6.6        |
| 129                                 | SPL-HYPT-6      | DBW187*          | 5.8        | 1.6         | 17.0       | 8.1        |
| 130                                 | SPL-HYPT-7      | DBW329           | 6.3        | 7.2         | 7.6        | 7.0        |
| 131                                 | SPL-HYPT-8      | WH1252           | 5.2        | 13.3        | 8.3        | 9.0        |
| 132                                 | SPL-HYPT-9      | HD3378           | 5.3        | 3.9         | 7.3        | 5.5        |

|     |             |         |     |      |      |      |
|-----|-------------|---------|-----|------|------|------|
| 133 | SPL-HYPT-10 | WH1270* | 4.7 | 14.2 | 6.3  | 8.4  |
| 134 | SPL-HYPT-11 | DBW333  | 7.2 | 7.5  | 17.8 | 10.8 |
| 135 | SPL-HYPT-12 | DBW330  | 5.1 | 10.0 | 13.2 | 9.4  |
| 136 | SPL-HYPT-13 | DBW328  | 6.0 | 7.9  | 7.0  | 7.0  |
| 137 | SPL-HYPT-14 | DBW331  | 5.7 | 4.8  | 11.3 | 7.3  |