

**2032-AVT-IR-LS-TAS-NEPZ, 2020-21
LOCATIONWISE MEAN YIELD (q/ha)**

| SN | Variety | Code | U.P. | | | | | | | | | Bihar | | | | | | | | |
|------------------|------------|---------|----------|----|---|-----------|----|---|-------------|----|---|----------|----|---|-----------|----|---|----------|----|---|
| | | | Kanpur | | | Prayagraj | | | Ghaghraghat | | | Ayodhya | | | Gorakhpur | | | Sabour | | |
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1 | DBW317 | NELS201 | 43.5 | 9 | 0 | 39.9 | 7 | 0 | 33.4 | 8 | 0 | 45.5 | 2 | 1 | 33.9 | 1 | 1 | 45.9 | 2 | 1 |
| 2 | DBW318 | NELS202 | 38.6 | 11 | 0 | 45.2 | 3 | 1 | 32.0 | 12 | 0 | 37.0 | 11 | 0 | 30.3 | 8 | 1 | 39.2 | 10 | 0 |
| 3 | PBW835 | NELS203 | 44.3 | 8 | 0 | 41.2 | 6 | 0 | 37.9 | 4 | 1 | 44.8 | 3 | 1 | 33.5 | 2 | 1 | 44.8 | 4 | 0 |
| 4 | PBW834 | NELS206 | 45.5 | 6 | 0 | 52.1 | 1 | 1 | 39.5 | 2 | 1 | 37.8 | 10 | 0 | 27.3 | 10 | 0 | 41.5 | 6 | 0 |
| 5 | UP3060 | NELS207 | 36.3 | 12 | 0 | 35.7 | 11 | 0 | 39.9 | 1 | 1 | 35.8 | 12 | 0 | 22.6 | 12 | 0 | 31.8 | 12 | 0 |
| 6 | DBW316 | NELS210 | 51.5 | 2 | 1 | 39.7 | 9 | 0 | 36.0 | 6 | 0 | 47.1 | 1 | 1 | 30.2 | 9 | 1 | 39.7 | 8 | 0 |
| 7 | PBW833 | NELS211 | 50.4 | 4 | 1 | 46.8 | 2 | 1 | 34.2 | 7 | 0 | 43.2 | 4 | 0 | 31.0 | 6 | 1 | 47.8 | 1 | 1 |
| 8 | HD3360 | NELS212 | 44.9 | 7 | 0 | 39.7 | 8 | 0 | 32.5 | 11 | 0 | 42.2 | 6 | 0 | 32.6 | 4 | 1 | 44.6 | 5 | 0 |
| 9 | HI1563 (C) | NELS204 | 41.6 | 10 | 0 | 44.8 | 4 | 1 | 32.6 | 10 | 0 | 39.4 | 9 | 0 | 30.6 | 7 | 1 | 40.5 | 7 | 0 |
| 10 | DBW107(C) | NELS205 | 51.2 | 3 | 1 | 42.6 | 5 | 0 | 33.0 | 9 | 0 | 40.9 | 7 | 0 | 26.1 | 11 | 0 | 45.5 | 3 | 1 |
| 11 | HD3118 (C) | NELS208 | 51.7 | 1 | 1 | 29.6 | 12 | 0 | 36.9 | 5 | 1 | 40.5 | 8 | 0 | 32.4 | 5 | 1 | 36.3 | 11 | 0 |
| 12 | HI1621 (C) | NELS209 | 46.1 | 5 | 0 | 36.3 | 10 | 0 | 38.8 | 3 | 1 | 42.6 | 5 | 0 | 32.6 | 3 | 1 | 39.5 | 9 | 0 |
| G.M. | | | 45.5 | | | 41.1 | | | 35.6 | | | 41.4 | | | 30.2 | | | 41.4 | | |
| S.E.(M) | | | 0.987 | | | 3.071 | | | 1.330 | | | 0.933 | | | 1.691 | | | 1.277 | | |
| C.D. (10%) | | | 2.4 | | | 7.4 | | | 3.2 | | | 2.2 | | | 4.0 | | | 3.1 | | |
| C.V. | | | 4.3 | | | 14.9 | | | 7.5 | | | 4.5 | | | 11.2 | | | 6.2 | | |
| D.O.S.(dd.mm.yy) | | | 23.12.20 | | | 25.12.20 | | | 18.12.21 | | | 21.12.20 | | | 21.12.20 | | | 22.11.20 | | |

No. of Trials : Proposed = 20 Conducted = 20
 Trials not reported (08) = Araul (RMT), Varanasi (LSM), Purnea (LSM), IARI-Pusa (LCV),
 RPCAU-Pusa (LSM), Coochbehar (LSM), Gauria-Karma (LSM), Shillogani (LSM)

**2032-AVT-IR-LS-TAS-NEPZ, 2020-21
LOCATIONWISE MEAN YIELD (q/ha)**

| SN | Variety | Code | West Bengal | | | | | | Jharkhand | | | | | | | | | | | |
|------------------|------------|---------|-------------|----|---------|----------|-----------|---|-----------|----|---------|----------|-------|---|----------|----|---|----------|----|---|
| | | | Kalyani | | Burdwan | | Manikchak | | Ranchi | | Chianki | | Dumka | | | | | | | |
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | | | |
| 1 | DBW317 | NELS201 | 42.1 | 9 | 0 | 34.3 | 3 | 1 | 35.2 | 6 | 1 | 32.0 | 10 | 0 | 32.9 | 11 | 0 | 30.3 | 10 | 0 |
| 2 | DBW318 | NELS202 | 47.1 | 4 | 0 | 29.1 | 7 | 0 | 33.9 | 7 | 0 | 36.3 | 6 | 0 | 39.9 | 5 | 0 | 36.3 | 6 | 0 |
| 3 | PBW835 | NELS203 | 47.1 | 4 | 0 | 31.0 | 4 | 0 | 38.3 | 2 | 1 | 36.5 | 5 | 0 | 41.1 | 4 | 1 | 33.4 | 8 | 0 |
| 4 | PBW834 | NELS206 | 49.8 | 1 | 1 | 25.5 | 11 | 0 | 36.1 | 4 | 1 | 34.9 | 7 | 0 | 44.8 | 2 | 1 | 26.2 | 12 | 0 |
| 5 | UP3060 | NELS207 | 47.8 | 3 | 0 | 24.1 | 12 | 0 | 29.0 | 9 | 0 | 28.0 | 12 | 0 | 32.5 | 12 | 0 | 38.9 | 2 | 1 |
| 6 | DBW316 | NELS210 | 39.9 | 12 | 0 | 29.2 | 6 | 0 | 37.7 | 3 | 1 | 37.6 | 3 | 0 | 37.0 | 10 | 0 | 38.5 | 3 | 1 |
| 7 | PBW833 | NELS211 | 46.7 | 7 | 0 | 29.6 | 5 | 0 | 40.7 | 1 | 1 | 32.2 | 9 | 0 | 45.5 | 1 | 1 | 34.8 | 7 | 0 |
| 8 | HD3360 | NELS212 | 41.7 | 10 | 0 | 34.5 | 2 | 1 | 25.5 | 11 | 0 | 36.8 | 4 | 0 | 37.7 | 9 | 0 | 40.7 | 1 | 1 |
| 9 | HI1563 (C) | NELS204 | 49.0 | 2 | 1 | 36.2 | 1 | 1 | 35.4 | 5 | 1 | 29.7 | 11 | 0 | 38.4 | 7 | 0 | 36.3 | 5 | 0 |
| 10 | DBW107(C) | NELS205 | 47.1 | 4 | 0 | 28.1 | 8 | 0 | 33.0 | 8 | 0 | 34.5 | 8 | 0 | 42.9 | 3 | 1 | 37.4 | 4 | 1 |
| 11 | HD3118 (C) | NELS208 | 40.1 | 11 | 0 | 27.6 | 9 | 0 | 23.8 | 12 | 0 | 37.6 | 2 | 0 | 39.6 | 6 | 0 | 28.6 | 11 | 0 |
| 12 | HI1621 (C) | NELS209 | 44.6 | 8 | 0 | 27.4 | 10 | 0 | 26.2 | 10 | 0 | 46.1 | 1 | 1 | 38.1 | 8 | 0 | 33.1 | 9 | 0 |
| G.M. | | | 45.2 | | | 29.7 | | | 32.9 | | | 35.2 | | | 39.2 | | | 34.6 | | |
| S.E.(M) | | | 0.677 | | | 1.441 | | | 2.278 | | | 1.975 | | | 2.219 | | | 1.426 | | |
| C.D. (10%) | | | 1.6 | | | 3.5 | | | 5.5 | | | 4.7 | | | 5.3 | | | 3.4 | | |
| C.V. | | | 3.0 | | | 9.7 | | | 13.8 | | | 11.2 | | | 11.3 | | | 8.3 | | |
| D.O.S.(dd.mm.yy) | | | 16.12.20 | | | 18.12.20 | | | 15.12.20 | | | 21.12.20 | | | 15.12.20 | | | 18.12.20 | | |

2032-AVT-IR-LS-TAS-NEPZ, 2020-21
STATE AND ZONAL MEANS (q/ha)

| SN | Variety | Code | U.P. | | | Bihar | | | West Bengal | | | Jharkhand | | | Zonal | | |
|------------|------------|---------|-------|----|---|-------|----|---|-------------|----|---|-----------|----|---|-------|----|---|
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1 | DBW317 | NELS201 | 39.2 | 6 | 0 | 45.9 | 2 | 1 | 37.2 | 4 | 0 | 31.7 | 12 | 0 | 37.4 | 9 | 0 |
| 2 | DBW318 | NELS202 | 36.6 | 11 | 0 | 39.2 | 10 | 0 | 36.7 | 6 | 0 | 37.5 | 6 | 1 | 37.1 | 10 | 0 |
| 3 | PBW835 | NELS203 | 40.3 | 4 | 1 | 44.8 | 4 | 0 | 38.8 | 3 | 1 | 37.0 | 7 | 1 | 39.5 | 2 | 1 |
| 4 | PBW834 | NELS206 | 40.4 | 3 | 1 | 41.5 | 6 | 0 | 37.1 | 5 | 0 | 35.3 | 8 | 0 | 38.4 | 5 | 0 |
| 5 | UP3060 | NELS207 | 34.1 | 12 | 0 | 31.8 | 12 | 0 | 33.7 | 10 | 0 | 33.1 | 11 | 0 | 33.5 | 12 | 0 |
| 6 | DBW316 | NELS210 | 40.9 | 2 | 1 | 39.7 | 8 | 0 | 35.6 | 8 | 0 | 37.7 | 4 | 1 | 38.7 | 3 | 0 |
| 7 | PBW833 | NELS211 | 41.1 | 1 | 1 | 47.8 | 1 | 1 | 39.0 | 2 | 1 | 37.5 | 5 | 1 | 40.3 | 1 | 1 |
| 8 | HD3360 | NELS212 | 38.4 | 8 | 0 | 44.6 | 5 | 0 | 33.9 | 9 | 0 | 38.4 | 2 | 1 | 37.8 | 7 | 0 |
| 9 | HI1563 (C) | NELS204 | 37.8 | 10 | 0 | 40.5 | 7 | 0 | 40.2 | 1 | 1 | 34.8 | 10 | 0 | 37.9 | 6 | 0 |
| 10 | DBW107(C) | NELS205 | 38.7 | 7 | 0 | 45.5 | 3 | 1 | 36.0 | 7 | 0 | 38.3 | 3 | 1 | 38.5 | 4 | 0 |
| 11 | HD3118 (C) | NELS208 | 38.2 | 9 | 0 | 36.3 | 11 | 0 | 30.5 | 12 | 0 | 35.2 | 9 | 0 | 35.4 | 11 | 0 |
| 12 | HI1621 (C) | NELS209 | 39.3 | 5 | 1 | 39.5 | 9 | 0 | 32.7 | 11 | 0 | 39.1 | 1 | 1 | 37.6 | 8 | 0 |
| G.M. | | | 38.8 | | | 41.4 | | | 35.9 | | | 36.3 | | | 37.7 | | |
| S.E.(M) | | | 0.798 | | | 1.277 | | | 0.926 | | | 1.098 | | | 0.501 | | |
| C.D. (10%) | | | 1.9 | | | 3.1 | | | 2.2 | | | 2.6 | | | 1.2 | | |

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-IR-LS-TAS-NEPZ, 2020-21

| SN | Variety | Code | Disease Reaction | | | Agronomic Characteristics | | | | | | | | Grain Characteristics | | | |
|----|------------|---------|------------------|------|----------------|---------------------------|------|---------|-------|--------|------|-------|------|-----------------------|------|-------|-------|
| | | | Br | ACI | LB (HS, Av) | Hd.R | Hd.M | Mat.R | Mat.M | Ht.R | Ht.M | Lod.M | Thr. | Col. | Tex. | TGW.R | TGW.M |
| 1 | DBW317 | NELS201 | 40S | 33.3 | 56(23) | 62-82 | 71 | 97-119 | 108 | 83-101 | 93 | 0 | Ey | A | SH | 31-44 | 39 |
| 2 | DBW318 | NELS202 | 0 | 0.0 | 69(24) | 62-81 | 71 | 93-121 | 107 | 67-92 | 83 | 0 | Ey | A | SH | 29-47 | 37 |
| 3 | PBW835 | NELS203 | tS | 0.3 | 74(34) | 58-76 | 69 | 95-119 | 106 | 62-95 | 86 | 0 | Ey | A | H | 25-51 | 36 |
| 4 | PBW834 | NELS206 | 60S* | 20.0 | 58(23) | 64-83 | 73 | 98-120 | 109 | 64-94 | 84 | 0 | Ey | A | SH | 26-43 | 38 |
| 5 | UP3060 | NELS207 | 30S | 17.0 | 47(23) | 65-85 | 74 | 100-121 | 109 | 61-95 | 85 | 10 | Ey | A | H | 28-47 | 39 |
| 6 | DBW316 | NELS210 | 40S* | 13.3 | 54(24) | 61-80 | 71 | 95-122 | 109 | 66-92 | 83 | 5 | Ey | A | SH | 27-46 | 38 |
| 7 | PBW833 | NELS211 | 0 | 0.0 | 43(23) | 64-86 | 73 | 98-121 | 109 | 64-95 | 85 | 0 | Ey | A | SH | 28-45 | 38 |
| 8 | HD3360 | NELS212 | 80S | 40.0 | 76(34) | 64-80 | 71 | 97-124 | 107 | 61-97 | 84 | 5 | Ey | A | H | 28-46 | 39 |
| 9 | HI1563 (C) | NELS204 | 0 | 0.0 | 79(35) | 56-74 | 67 | 96-118 | 106 | 67-94 | 85 | 5 | Ey | A | SH | 30-48 | 37 |
| 10 | DBW107 (C) | NELS205 | 30S | 13.3 | 46(23) | 59-76 | 68 | 96-120 | 107 | 64-91 | 80 | 5 | Ey | A | SH | 29-43 | 36 |
| 11 | HD3118 (C) | NELS208 | 60S* | 30.0 | 65(23) | 62-82 | 71 | 96-123 | 107 | 66-103 | 90 | 0 | Ey | A | SH | 24-45 | 35 |
| 12 | HI1621 (C) | NELS209 | 20S | 13.3 | 78(46) | 60-75 | 68 | 93-118 | 105 | 63-97 | 84 | 5 | Ey | A | H | 27-45 | 35 |

1. The ancillary data from Ayodhya, Varanasi, Burdwan, Chianki, Coochbehar, Dumka, Ghaghraghat, Kalyani, Kanpur, Manikchak, Prayagraj, Purnea, IARI-Pusa, Ranchi, PRCAU-Pusa, Sabour and Shillongani.
2. Brown rust reported from Kanpur, Manikchak, and IARI-Pusa.
3. Leaf blight data reported from Ayodhya, Varanasi, Burdwan, Coochbehar, Manikchak, IARI-Pusa, RPCAU-Pusa, Sabour and Shillongani.
4. Lodging data from Shillongani.

AVT-IR-LS-TAS-NEPZ, 2020-21
North Eastern Plains Zone
Individual Station Brown Rust Data

| SN | Variety | Code | Kanpur | Manikchak | IARI-Pusa |
|----|------------|---------|--------|-----------|-----------|
| 1 | DBW317 | NELS201 | 40S | 40S | 20S |
| 2 | DBW318 | NELS202 | 0 | 0 | 0 |
| 3 | PBW835 | NELS203 | 0 | TS | 0 |
| 4 | PBW834 | NELS206 | 60S | 0 | 0 |
| 5 | UP3060 | NELS207 | 20S | TS | 30S |
| 6 | DBW316 | NELS210 | 0 | 40S | 0 |
| 7 | PBW833 | NELS211 | 0 | 0 | 0 |
| 8 | HD3360 | NELS212 | 80S | 40S | 0 |
| 9 | HI1563 (C) | NELS204 | 0 | 0 | 0 |
| 10 | DBW107 (C) | NELS205 | 0 | 10S | 30S |
| 11 | HD3118 (C) | NELS208 | 0 | 60S | 30S |
| 12 | HI1621 (C) | NELS209 | 20S | 20S | 0 |

Individual Station Leaf Blight Data

| SN | Variety | Code | Ayodhya | Varanasi | Burdwan | Coochbehar | Manikchak | IARI-Pusa | RPCAU-Pusa | Sabour | Shillongani |
|----|------------|---------|---------|----------|---------|------------|-----------|-----------|------------|--------|-------------|
| 1 | DBW317 | NELS201 | 12 | 00 | 23 | 56 | 17 | 23 | 32 | 23 | 12 |
| 2 | DBW318 | NELS202 | 12 | 01 | 24 | 69 | 14 | 23 | 43 | 34 | 12 |
| 3 | PBW835 | NELS203 | 23 | 24 | 23 | 74 | 16 | 34 | 65 | 14 | 24 |
| 4 | PBW834 | NELS206 | 34 | 00 | 12 | 58 | 15 | 23 | 32 | 23 | 24 |
| 5 | UP3060 | NELS207 | 12 | 01 | 13 | 47 | 13 | 23 | 43 | 25 | 12 |
| 6 | DBW316 | NELS210 | 36 | 00 | 23 | 47 | 14 | 23 | 54 | 24 | 13 |
| 7 | PBW833 | NELS211 | 12 | 00 | 12 | 37 | 17 | 23 | 43 | 25 | 12 |
| 8 | HD3360 | NELS212 | 12 | 12 | 34 | 69 | 12 | 34 | 76 | 24 | 24 |
| 9 | HI1563 (C) | NELS204 | 12 | 24 | 12 | 79 | 25 | 23 | 78 | 25 | 36 |
| 10 | DBW107 (C) | NELS205 | 24 | 01 | 12 | 46 | 15 | 23 | 32 | 34 | 12 |
| 11 | HD3118 (C) | NELS208 | 12 | 02 | 23 | 46 | 12 | 34 | 65 | 35 | 12 |
| 12 | HI1621 (C) | NELS209 | 34 | 12 | 46 | 69 | 38 | 34 | 78 | 45 | 25 |