

SPL-MABB/NIL-IR-TS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

| SN | Variety | Code | J&K | Delhi | Haryana | | Punjab | |
|----------------|----------------|----------|------------|------------|------------|------------|------------|------------|
| | | | Jammu | Delhi | Karnal | Hisar | Ludhiana | Gurdaspur |
| | | | Yield Rk G | Yield Rk G | Yield Rk G | Yield Rk G | Yield Rk G | Yield Rk G |
| 1. | PBW 723** | MABB-103 | 44.2 1 1 | 45.7 3 1 | 47.1 4 0 | 44.6 5 0 | 59.5 2 1 | 50.6 3 1 |
| 2. | PBW 760# | MABB-101 | 40.4 3 1 | 45.5 4 1 | 45.0 6 0 | 39.8 6 0 | 57.0 3 1 | 48.6 4 0 |
| 3. | DPW 621-50 (C) | MABB-102 | 35.8 4 0 | 46.4 2 1 | 52.1 2 1 | 48.1 4 1 | 55.7 4 1 | 51.6 1 1 |
| 4. | WH 1105 (C) | MABB-104 | 40.8 2 1 | 48.2 1 1 | 54.0 1 1 | 48.8 3 1 | 62.0 1 1 | 51.4 2 1 |
| 5. | HD 2967 (C) | MABB-105 | 26.0 5 0 | 43.4 6 1 | 49.2 3 0 | 52.1 1 1 | 54.7 5 0 | 40.2 5 0 |
| 6. | PBW 343 (C) | MABB-106 | 22.2 6 0 | 43.6 5 1 | 46.6 5 0 | 50.3 2 1 | 54.4 6 0 | 31.5 6 0 |
| G.M. | | | 34.9 | 45.5 | 49.0 | 47.3 | 57.2 | 45.7 |
| S.E.(M) | | | 1.580 | 1.622 | 1.321 | 1.733 | 2.361 | 0.726 |
| C.D. | | | 4.8 | N.S. | 4.0 | 5.2 | N.S. | 2.2 |
| C.V. | | | 9.1 | 7.1 | 5.4 | 7.3 | 8.2 | 3.2 |
| D.O.S. (d.m.y) | | | 17.11.2015 | 16.11.2015 | 19.11.2015 | 19.11.2015 | 13.11.2015 | 10.11.2015 |

** Entry in retesting

NIL(KB) line

Trials proposed & conducted = 12

Trials not reported (2) = Modipuram (RMT), Dhaulakuan (LSM)

SPL-MABB/NIL-IR-TS-NWPZ, 2015-16
Locationwise and Zonal Mean Yield (q/ha)

| SN | Variety | Code | Rajasthan | | Uttar Pradesh | Uttrakhand | Zonal |
|----------------|----------------|----------|------------|---------------|---------------|------------|------------|
| | | | Durgapura | Sriganganagar | Bulandhshahr | Pantnagar | |
| | | | Yield Rk G | Yield Rk G | Yield Rk G | Yield Rk G | Yield Rk G |
| 1. | PBW 723** | MABB-103 | 55.5 3 0 | 54.8 4 0 | 48.2 1 1 | 48.0 3 1 | 49.8 3 0 |
| 2. | PBW 760# | MABB-101 | 48.4 6 0 | 52.7 5 0 | 45.6 2 0 | 50.1 2 1 | 47.3 4 0 |
| 3. | DPW 621-50 (C) | MABB-102 | 55.7 2 0 | 65.3 1 1 | 44.4 4 0 | 43.3 5 0 | 49.8 2 0 |
| 4. | WH 1105 (C) | MABB-104 | 60.9 1 1 | 56.4 3 0 | 44.1 5 0 | 50.6 1 1 | 51.8 1 1 |
| 5. | HD 2967 (C) | MABB-105 | 54.6 5 0 | 60.8 2 1 | 44.7 3 0 | 43.3 4 0 | 46.9 5 0 |
| 6. | PBW 343 (C) | MABB-106 | 54.9 4 0 | 40.0 6 0 | 42.2 6 0 | 34.7 6 0 | 42.0 6 0 |
| G.M. | | | 55.0 | 55.0 | 44.9 | 45.0 | 47.9 |
| S.E.(M) | | | 1.117 | 2.320 | 0.344 | 1.394 | 0.523 |
| C.D. | | | 3.4 | 7.0 | 1.0 | 4.2 | 1.5 |
| C.V. | | | 4.1 | 8.4 | 1.5 | 6.2 | |
| D.O.S. (d.m.y) | | | 17.11.2015 | 17.11.2015 | 19.11.2015 | 18.11.2015 | |

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: SPL-MABB/NIL-IR-TS-NWPZ, 2015-16

| SN | Variety | Code | Disease Reaction | | Agronomic Characteristics | | | | | | | | Grain Characteristics | | | |
|----|----------------------|----------|------------------|------|---------------------------|------|---------|-------|---------|------|------|------|-----------------------|------|-------|-------|
| | | | YI | ACI | Hd.R | Hd.M | Mat.R | Mat.M | Ht.R | Ht.M | Lod. | Thr. | Col. | Tex. | TGW.R | TGW.M |
| 1. | PBW 723** | MABB-103 | 10S | 5.0 | 93-108 | 101 | 132-161 | 143 | 98-104 | 103 | 10 | Ey | A | H | 38-46 | 40 |
| 2. | PBW 760 [#] | MABB-101 | 0 | 0 | 93-101 | 97 | 130-155 | 142 | 99-105 | 103 | 15 | Ey | A | H | 30-46 | 38 |
| 3. | DPW 621-50 (C) | MABB-102 | 20S | 9.0 | 93-108 | 100 | 134-161 | 145 | 98-105 | 101 | 5 | Ey | A | H | 33-44 | 38 |
| 4. | WH 1105 (C) | MABB-104 | 10S | 3.5 | 92-103 | 97 | 125-160 | 141 | 97-108 | 102 | 10 | Ey | A | H | 33-44 | 38 |
| 5. | HD 2967 (C) | MABB-105 | 60S | 22.2 | 94-107 | 100 | 134-159 | 144 | 100-123 | 105 | 15 | Ey | A | H | 33-43 | 38 |
| 6. | PBW 343 (C) | MABB-106 | 80S | 54.0 | 98-109 | 102 | 128-159 | 143 | 92-102 | 97 | 5 | Ey | A | H | 27-40 | 36 |

** Entry in re-testing

KB (NIL) line

1. Ancillary data from Jammu, Ludhiana, Pantnagar, IARI New Delhi, Karnal, Dhaulakuan, Gurdaspur, Hisar, Bulandshahar and Sri Ganganagar.
2. Yellow rust data from Jammu, Ludhiana, Pantnagar, IARI New Delhi, Karnal, Dhaulakuan, Gurdaspur and Hisar.

Individual Station Yellow Rust Data

| SN | Variety | Code | Jammu | Ludhiana | Pantnagar | New Delhi | Karnal | Dhaulakuan | Gurdaspur | Hisar |
|----|----------------------|----------|-------|----------|-----------|-----------|--------|------------|-----------|-------|
| 1. | PBW 723** | MABB-103 | 5S | 10S | tMS | tR | 5S | 10S | 10S | 0 |
| 2. | PBW 760 [#] | MABB-101 | 0 | 0 | 0 | tR | 0 | 0 | 0 | 0 |
| 3. | DPW 621-50 (C) | MABB-102 | 20S | 0 | 5S | 0 | 5S | tS | 20S | 20S |
| 4. | WH 1105 (C) | MABB-104 | 10MS | 0 | 0 | tR | 5S | 10S | 5S | 0 |
| 5. | HD 2967 (C) | MABB-105 | 40S | 20S | 10S | 10MS | 10S | 30S | 60S | 0 |
| 6. | PBW 343 (C) | MABB-106 | 80S | 40S | 60S | 40MS | 60S | 80S | 60S | 20S |

SPL-MABB-IR-LS-CZ/PZ, 2015-16
Locationwise Mean Yield (q/ha)

| SN | Variety | Code | CZ | | | | | | | | | | | | | | | | | | | | |
|-----------------|-------------|----------|-----------|--------|----------|------------|----------|---------|--------------|-------|---------|------------|---|---|------------|---|---|-----------|---|---|------------|---|---|
| | | | Rajasthan | | | MP | | | Chhattisgarh | | Gujarat | | | | | | | | | | | | |
| | | | Udaipur | Indore | Jabalpur | Powarkheda | Bilaspur | Vijapur | Junagadh | Yield | Rk | G | | | | | | | | | | | |
| 1. | HD 3209* | MABB-203 | 31.2 | 5 | 0 | 49.4 | 3 | 1 | 40.9 | 4 | 0 | 51.6 | 3 | 1 | 20.6 | 5 | 0 | 25.7 | 4 | 0 | 23.8 | 4 | 0 |
| 2. | HD 2932 (C) | MABB-201 | 41.8 | 3 | 1 | 54.2 | 1 | 1 | 46.3 | 2 | 1 | 52.1 | 2 | 1 | 27.9 | 1 | 1 | 28.7 | 2 | 1 | 30.1 | 1 | 1 |
| 3. | MP 3336 (C) | MABB-202 | 42.3 | 2 | 1 | 49.0 | 4 | 1 | 45.2 | 3 | 0 | 50.1 | 5 | 0 | 27.0 | 2 | 1 | 23.8 | 5 | 0 | 25.0 | 3 | 0 |
| 4. | RAJ 4083(C) | MABB-204 | 38.2 | 4 | 0 | 50.2 | 2 | 1 | 40.3 | 5 | 0 | 50.3 | 4 | 0 | 25.8 | 4 | 1 | 27.3 | 3 | 0 | 26.3 | 2 | 0 |
| 5. | HD 2864 (C) | MABB-205 | 44.7 | 1 | 1 | 47.3 | 5 | 0 | 49.2 | 1 | 1 | 53.2 | 1 | 1 | 26.0 | 3 | 1 | 32.6 | 1 | 1 | 23.3 | 5 | 0 |
| G.M. | | | 39.6 | | | 50.0 | | | 44.4 | | | 51.4 | | | 25.4 | | | 27.6 | | | 25.7 | | |
| S.E.(M) | | | 1.919 | | | 1.921 | | | 0.951 | | | 0.609 | | | 0.965 | | | 1.502 | | | 0.715 | | |
| C.D. | | | 5.9 | | | N.S. | | | 2.9 | | | 1.9 | | | 3.0 | | | 4.6 | | | 2.2 | | |
| C.V. | | | 9.7 | | | 7.7 | | | 4.3 | | | 2.4 | | | 7.6 | | | 10.9 | | | 5.6 | | |
| D.O.S. (d.m.y.) | | | 5.12.2015 | | | 7.12.2015 | | | 10.12.2015 | | | 10.12.2015 | | | 15.12.2015 | | | 7.12.2015 | | | 11.12.2015 | | |

Trials proposed & conducted = 13
Trial not reported (1) = Gwalior (TF)

SPL-MABB-IR-LS-CZ/PZ, 2015-16
Locationwise Mean Yield (q/ha)

| SN | Variety | Code | PZ | | | | | | | | | | | | | | |
|-----------------|-------------|----------|-----------|--------|------|-------------|------|-------|-----------|---|-------|------------|---|---|------------|---|---|
| | | | Gujarat | | | Maharashtra | | | Karnataka | | | | | | | | |
| | | | Akola | Niphad | Pune | Dharwad | Ugar | Yield | Rk | G | Yield | Rk | G | | | | |
| 1. | HD 3209* | MABB-203 | 25.6 | 4 | 0 | 34.2 | 5 | 0 | 31.7 | 5 | 0 | 25.4 | 5 | 0 | 29.4 | 4 | 1 |
| 2. | HD 2932 (C) | MABB-201 | 29.7 | 1 | 1 | 43.3 | 1 | 1 | 37.1 | 2 | 1 | 29.0 | 4 | 0 | 32.0 | 1 | 1 |
| 3. | MP 3336 (C) | MABB-202 | 23.6 | 5 | 0 | 36.3 | 4 | 0 | 36.9 | 3 | 1 | 29.5 | 3 | 0 | 30.9 | 3 | 1 |
| 4. | RAJ 4083(C) | MABB-204 | 25.8 | 3 | 0 | 37.0 | 3 | 0 | 35.8 | 4 | 1 | 30.6 | 2 | 1 | 31.6 | 2 | 1 |
| 5. | HD 2864 (C) | MABB-205 | 27.8 | 2 | 1 | 37.7 | 2 | 0 | 39.1 | 1 | 1 | 36.3 | 1 | 1 | 29.0 | 5 | 1 |
| G.M. | | | 26.5 | | | 37.7 | | | 36.1 | | | 30.2 | | | 30.6 | | |
| S.E.(M) | | | 0.966 | | | 0.930 | | | 1.587 | | | 1.880 | | | 1.741 | | |
| C.D. | | | 3.0 | | | 2.9 | | | N.S. | | | 5.8 | | | N.S. | | |
| C.V. | | | 7.3 | | | 4.9 | | | 8.8 | | | 12.5 | | | 11.4 | | |
| D.O.S. (d.m.y.) | | | 3.12.2015 | | | 5.12.2015 | | | 9.12.2015 | | | 12.12.2015 | | | 10.12.2015 | | |

SPL-MABB-IR-LS-CZ/PZ, 2015-16
Zonal Mean Yield (q/ha)

| SN | Variety | Code | CZ | | | PZ | | | National | | |
|------|--------------|----------|-------|----|---|-------|----|---|----------|----|---|
| | | | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1. | HD 3209* | MABB-203 | 34.7 | 5 | 0 | 29.3 | 5 | 0 | 32.5 | 5 | 0 |
| 2. | HD 2932 (C) | MABB-201 | 40.2 | 1 | 1 | 34.2 | 1 | 1 | 37.7 | 1 | 1 |
| 3. | MP 3336 (C) | MABB-202 | 37.5 | 3 | 0 | 31.4 | 4 | 0 | 35.0 | 3 | 0 |
| 4. | RAJ 4083 (C) | MABB-204 | 36.9 | 4 | 0 | 32.2 | 3 | 0 | 34.9 | 4 | 0 |
| 5. | HD 2864 (C) | MABB-205 | 39.5 | 2 | 1 | 34.0 | 2 | 1 | 37.2 | 2 | 1 |
| G.M. | | | 37.8 | | | 32.2 | | | 35.4 | | |
| C.D. | | | 1.4 | | | 1.9 | | | 1.1 | | |

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: SPL-MABB/NIL-IR-LS-CZ/PZ, 2015-16

| SN | Variety | Code | Agronomic Characteristics | | | | | | | Grain Characteristics | | | |
|----|--------------|----------|---------------------------|------|--------|-------|-------|------|------|-----------------------|------|-------|-------|
| | | | Hd.R | Hd.M | Mat.R | Mat.M | Ht.R | Ht.M | Thr. | Col. | Tex. | TGW.R | TGW.M |
| 1. | HD 3209* | MABB-203 | 63-78 | 66 | 88-129 | 109 | 59-93 | 81 | Ey | A | SH | 31-41 | 32 |
| 2. | HD 2932 (C) | MABB-201 | 50-76 | 64 | 85-122 | 107 | 68-96 | 84 | Ey | A | SH | 34-47 | 41 |
| 3. | MP 3336 (C) | MABB-202 | 45-70 | 57 | 82-124 | 103 | 57-96 | 76 | Ey | A | SH | 37-45 | 41 |
| 4. | RAJ 4083 (C) | MABB-204 | 45-70 | 61 | 84-127 | 107 | 62-88 | 78 | Ey | A | SH | 35-46 | 41 |
| 5. | HD 2864 (C) | MABB-205 | 48-68 | 59 | 85-127 | 107 | 65-91 | 82 | Ey | A | SH | 33-45 | 39 |

1. Ancillary data from Udaipur, Junagadh, Powarkheda, Bilaspur, Indore, Jabalpur and Vijapur
2. No disease data was reported by any of the centres.

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: SPL-MABB/NIL-IR-LS-CZ/PZ, 2015-16

| SN | Variety | Code | Disease Reaction | | Agronomic Characteristics | | | | | | | Grain Characteristics | | | |
|----|--------------|----------|------------------|----|---------------------------|------|--------|-------|-------|------|------|-----------------------|------|-------|-------|
| | | | Br | BP | Hd.R | Hd.M | Mat.R | Mat.M | Ht.R | Ht.M | Thr. | Col. | Tex. | TGW.R | TGW.M |
| 1. | HD 3209* | MABB-203 | 5S | 0 | 52-64 | 57 | 96-103 | 100 | 54-90 | 71 | Ey | A | SH | 29-36 | 33 |
| 2. | HD 2932 (C) | MABB-201 | 5S | 2 | 52-64 | 59 | 99-108 | 104 | 66-93 | 77 | Ey | A | SH | 31-41 | 36 |
| 3. | MP 3336 (C) | MABB-202 | 40S | 0 | 42-58 | 53 | 94-104 | 98 | 51-79 | 63 | Ey | A | SH | 29-36 | 33 |
| 4. | RAJ 4083 (C) | MABB-204 | 20S | 2 | 44-60 | 55 | 97-106 | 101 | 57-89 | 70 | Ey | A | SH | 31-40 | 35 |
| 5. | HD 2864 (C) | MABB-205 | 0 | 2 | 43-56 | 53 | 94-108 | 100 | 69-89 | 76 | Ey | A | SH | 31-36 | 34 |

1. Ancillary data from Akola, Niphad, Pune, Ugarkhurd and Dharwad.
2. Black point data from Pune centre only.
3. Brown rust data from Pune and Dharwad.

Individual Station Disease Data

| SN | Variety | Code | Pune | | Dharwad |
|----|--------------|----------|------|----|---------|
| | | | Br | BP | Br |
| 1. | HD 3209* | MABB-203 | 5S | 0 | 0 |
| 2. | HD 2932 (C) | MABB-201 | 5S | 2 | 5MS |
| 3. | MP 3336 (C) | MABB-202 | 40S | 0 | 5MS |
| 4. | RAJ 4083 (C) | MABB-204 | 20S | 2 | 5MS |
| 5. | HD 2864 (C) | MABB-205 | 0 | 2 | 0 |