

| Table 7.19. North Eastern Plains Zone |              | IR-SL-LON  | Centrewise | 2025-26    |
|---------------------------------------|--------------|------------|------------|------------|
| Nitrogen, kg/ha                       | Genotype     | Ayodhya    | Kanpur     | Zonal mean |
| 60                                    | IR-SL-LON-1  | 33.23      | 35.64      | 34.44      |
|                                       | IR-SL-LON-2  | 35.08      | 35.34      | 35.21      |
|                                       | IR-SL-LON-3  | 36.96      | 34.49      | 35.72      |
|                                       | IR-SL-LON-4  | 31.66      | 35.63      | 33.64      |
|                                       | IR-SL-LON-5  | 30.76      | 36.46      | 33.61      |
|                                       | Mean         | 33.54      | 35.51      | 34.52      |
| 75                                    | IR-SL-LON-1  | 34.94      | 32.40      | 33.67      |
|                                       | IR-SL-LON-2  | 36.86      | 37.65      | 37.26      |
|                                       | IR-SL-LON-3  | 38.89      | 32.18      | 35.53      |
|                                       | IR-SL-LON-4  | 33.80      | 36.12      | 34.96      |
|                                       | IR-SL-LON-5  | 32.76      | 33.98      | 33.37      |
|                                       | Mean         | 35.45      | 34.47      | 34.96      |
| 90                                    | IR-SL-LON-1  | 36.08      | 37.86      | 36.97      |
|                                       | IR-SL-LON-2  | 37.10      | 32.45      | 34.78      |
|                                       | IR-SL-LON-3  | 39.33      | 32.61      | 35.97      |
|                                       | IR-SL-LON-4  | 34.66      | 35.23      | 34.94      |
|                                       | IR-SL-LON-5  | 33.74      | 34.53      | 34.13      |
|                                       | Mean         | 36.18      | 34.54      | 35.36      |
| Mean                                  | IR-SL-LON-1  | 34.75      | 35.30      | 35.03      |
|                                       | IR-SL-LON-2  | 36.35      | 35.15      | 35.75      |
|                                       | IR-SL-LON-3  | 38.39      | 33.09      | 35.74      |
|                                       | IR-SL-LON-4  | 33.37      | 35.66      | 34.52      |
|                                       | IR-SL-LON-5  | 32.42      | 34.99      | 33.70      |
|                                       | Mean         | 35.06      | 34.84      | 34.95      |
| CD (0.05)                             | Nitrogen (A) | 0.61       | 1.67       | NS         |
|                                       | Genotype (B) | 0.53       | 1.56       | 0.80       |
|                                       | B within A   | 0.92       | 2.69       | 1.38       |
|                                       | A within B   | 0.96       | 2.76       | 1.56       |
| Date of Sowing:                       |              | 20.11.2025 | 04.12.2025 |            |
| Date of Harvesting:                   |              | 09.03.2026 | 20.04.2026 |            |

| Table 7.20. North Eastern Plain Zone |                 |              |       |            | IR-SL-LON |            | Pooled | 2025-26 |
|--------------------------------------|-----------------|--------------|-------|------------|-----------|------------|--------|---------|
| Genotype                             | Nitrogen, kg/ha |              |       |            |           |            | Mean   | Rk      |
|                                      | 60              | Rk           | 75    | Rk         | 90        | Rk         |        |         |
| Yield, q/ha                          |                 |              |       |            |           |            |        |         |
| IR-SL-LON-1                          | 34.44           | 3            | 33.67 | 4          | 36.97     | 1          | 35.03  | 3       |
| IR-SL-LON-2                          | 35.21           | 2            | 37.26 | 1          | 34.78     | 4          | 35.75  | 1       |
| IR-SL-LON-3                          | 35.72           | 1            | 35.53 | 2          | 35.97     | 2          | 35.74  | 2       |
| IR-SL-LON-4                          | 33.64           | 4            | 34.96 | 3          | 34.94     | 3          | 34.52  | 4       |
| IR-SL-LON-5                          | 33.61           | 5            | 33.37 | 5          | 34.13     | 5          | 33.70  | 5       |
| Mean                                 | 34.52           |              | 34.96 |            | 35.36     |            | 34.95  |         |
| Nitrogen (A)                         |                 | Genotype (B) |       | B within A |           | A within B |        |         |
| CD (0.05)                            | NS              | 0.80         |       | 1.38       |           | 1.56       |        |         |
| Earhead/sq.m.                        |                 |              |       |            |           |            |        |         |
| IR-SL-LON-1                          | 356             | 3            | 334   | 5          | 365       | 4          | 351    | 4       |
| IR-SL-LON-2                          | 382             | 1            | 349   | 4          | 369       | 3          | 367    | 1       |
| IR-SL-LON-3                          | 364             | 2            | 355   | 2          | 373       | 2          | 364    | 2       |
| IR-SL-LON-4                          | 335             | 5            | 352   | 3          | 358       | 5          | 348    | 5       |
| IR-SL-LON-5                          | 342             | 4            | 357   | 1          | 382       | 1          | 360    | 3       |
| Mean                                 | 356             |              | 349   |            | 370       |            | 358    |         |
| Nitrogen (A)                         |                 | Genotype (B) |       | B within A |           | A within B |        |         |
| CD (0.05)                            | 5               | 8            |       | 14         |           | 15         |        |         |
| Grains/earhead                       |                 |              |       |            |           |            |        |         |
| IR-SL-LON-1                          | 25.57           | 3            | 27.52 | 1          | 26.97     | 1          | 26.68  | 1       |
| IR-SL-LON-2                          | 24.28           | 5            | 26.46 | 3          | 23.65     | 3          | 24.80  | 4       |
| IR-SL-LON-3                          | 24.70           | 4            | 25.73 | 4          | 24.25     | 2          | 24.89  | 3       |
| IR-SL-LON-4                          | 27.48           | 2            | 26.81 | 2          | 23.04     | 4          | 25.78  | 2       |
| IR-SL-LON-5                          | 27.65           | 1            | 24.54 | 5          | 22.09     | 5          | 24.76  | 5       |
| Mean                                 | 25.93           |              | 26.21 |            | 24.00     |            | 25.38  |         |
| Nitrogen (A)                         |                 | Genotype (B) |       | B within A |           | A within B |        |         |
| CD (0.05)                            | 0.87            | 0.94         |       | 1.63       |           | 1.82       |        |         |
| 1000 grains weight, g                |                 |              |       |            |           |            |        |         |
| IR-SL-LON-1                          | 38.47           | 2            | 38.02 | 4          | 38.55     | 5          | 38.34  | 5       |
| IR-SL-LON-2                          | 38.08           | 3            | 41.42 | 1          | 40.07     | 3          | 39.86  | 1       |
| IR-SL-LON-3                          | 39.87           | 1            | 39.35 | 2          | 39.85     | 4          | 39.69  | 2       |
| IR-SL-LON-4                          | 37.95           | 4            | 37.97 | 5          | 42.92     | 1          | 39.61  | 3       |
| IR-SL-LON-5                          | 37.02           | 5            | 38.73 | 3          | 40.57     | 2          | 38.77  | 4       |
| Mean                                 | 38.28           |              | 39.10 |            | 40.39     |            | 39.25  |         |
| Nitrogen (A)                         |                 | Genotype (B) |       | B within A |           | A within B |        |         |
| CD (0.05)                            | 0.38            | 0.38         |       | 0.66       |           | 0.75       |        |         |
| Centres: Ayodhya, Kanpur             |                 |              |       |            |           |            |        |         |

**Table 7.20.1 North Eastern Plains Zone IR-SL-LON Ayodhya 2025-26**

| Genotype                   | Nitrogen, kg/ha |         |       |           |         |    | Mean  | Rk |
|----------------------------|-----------------|---------|-------|-----------|---------|----|-------|----|
|                            | 60              | Rk      | 75    | Rk        | 90      | Rk |       |    |
| Yield, q/ha                |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 33.23           | 3       | 34.94 | 3         | 36.08   | 3  | 34.75 | 3  |
| IR-SL-LON-2                | 35.08           | 2       | 36.86 | 2         | 37.10   | 2  | 36.35 | 2  |
| IR-SL-LON-3                | 36.96           | 1       | 38.89 | 1         | 39.33   | 1  | 38.39 | 1  |
| IR-SL-LON-4                | 31.66           | 4       | 33.80 | 4         | 34.66   | 4  | 33.37 | 4  |
| IR-SL-LON-5                | 30.76           | 5       | 32.76 | 5         | 33.74   | 5  | 32.42 | 5  |
| Mean                       | 33.54           |         | 35.45 |           | 36.18   |    | 35.06 |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | **      | 0.20  | 0.61      | 2.23    |    |       |    |
| Genotype (B)               |                 | **      | 0.22  | 0.53      | 1.88    |    |       |    |
| B within A                 |                 | N.S.    | 0.38  | 0.92      |         |    |       |    |
| A within B                 |                 |         | 0.39  | 0.96      |         |    |       |    |
| Earhead/sq.m.              |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 390             | 3       | 398   | 3         | 405     | 3  | 397   | 3  |
| IR-SL-LON-2                | 392             | 2       | 411   | 1         | 406     | 2  | 403   | 2  |
| IR-SL-LON-3                | 396             | 1       | 408   | 2         | 409     | 1  | 405   | 1  |
| IR-SL-LON-4                | 388             | 4       | 394   | 4         | 403     | 4  | 395   | 4  |
| IR-SL-LON-5                | 385             | 5       | 392   | 5         | 402     | 5  | 393   | 5  |
| Mean                       | 390             |         | 400   |           | 405     |    | 399   |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | *       | 2.79  | 8.41      | 2.71    |    |       |    |
| Genotype (B)               |                 | N.S.    | 4.33  | 10.48     | 3.26    |    |       |    |
| B within A                 |                 | N.S.    | 7.50  | 18.15     |         |    |       |    |
| A within B                 |                 |         | 7.27  | 17.58     |         |    |       |    |
| Grains/earhead             |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 22.12           | 3       | 22.31 | 3         | 22.83   | 3  | 22.42 | 3  |
| IR-SL-LON-2                | 22.99           | 2       | 22.75 | 2         | 23.16   | 2  | 22.97 | 2  |
| IR-SL-LON-3                | 23.77           | 1       | 24.11 | 1         | 24.20   | 1  | 24.03 | 1  |
| IR-SL-LON-4                | 21.28           | 4       | 21.89 | 4         | 21.96   | 4  | 21.71 | 4  |
| IR-SL-LON-5                | 20.81           | 5       | 21.39 | 5         | 21.43   | 5  | 21.21 | 5  |
| Mean                       | 22.19           |         | 22.49 |           | 22.72   |    | 22.47 |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | N.S.    | 0.19  | 0.56      | 3.22    |    |       |    |
| Genotype (B)               |                 | **      | 0.29  | 0.71      | 3.92    |    |       |    |
| B within A                 |                 | N.S.    | 0.51  | 1.23      |         |    |       |    |
| A within B                 |                 |         | 0.49  | 1.19      |         |    |       |    |
| 1000 grains weight, g      |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 38.57           | 3       | 39.40 | 3         | 39.37   | 3  | 39.11 | 3  |
| IR-SL-LON-2                | 38.97           | 2       | 39.43 | 2         | 39.50   | 2  | 39.30 | 2  |
| IR-SL-LON-3                | 39.23           | 1       | 39.53 | 1         | 39.70   | 1  | 39.49 | 1  |
| IR-SL-LON-4                | 38.40           | 4       | 39.20 | 4         | 39.17   | 4  | 38.92 | 4  |
| IR-SL-LON-5                | 38.37           | 5       | 39.10 | 5         | 39.17   | 4  | 38.88 | 5  |
| Mean                       | 38.71           |         | 39.33 |           | 39.38   |    | 39.14 |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | **      | 0.09  | 0.26      | 0.85    |    |       |    |
| Genotype (B)               |                 | **      | 0.09  | 0.22      | 0.71    |    |       |    |
| B within A                 |                 | N.S.    | 0.16  | 0.39      |         |    |       |    |
| A within B                 |                 |         | 0.17  | 0.41      |         |    |       |    |
| Date of Sowing: 20.11.2025 |                 |         |       |           |         |    |       |    |

**Table 7.20.2 North Eastern Plains Zone IR-SL-LON Kanpur 2025-26**

| Genotype                   | Nitrogen, kg/ha |         |       |           |         |    | Mean  | Rk |
|----------------------------|-----------------|---------|-------|-----------|---------|----|-------|----|
|                            | 60              | Rk      | 75    | Rk        | 90      | Rk |       |    |
| Yield, q/ha                |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 35.64           | 2       | 32.40 | 4         | 37.86   | 1  | 35.30 | 2  |
| IR-SL-LON-2                | 35.34           | 4       | 37.65 | 1         | 32.45   | 5  | 35.15 | 3  |
| IR-SL-LON-3                | 34.49           | 5       | 32.18 | 5         | 32.61   | 4  | 33.09 | 5  |
| IR-SL-LON-4                | 35.63           | 3       | 36.12 | 2         | 35.23   | 2  | 35.66 | 1  |
| IR-SL-LON-5                | 36.46           | 1       | 33.98 | 3         | 34.53   | 3  | 34.99 | 4  |
| Mean                       | 35.51           |         | 34.47 |           | 34.54   |    | 34.84 |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | N.S.    | 0.55  | 1.67      | 6.15    |    |       |    |
| Genotype (B)               |                 | N.S.    | 0.64  | 1.56      | 5.54    |    |       |    |
| B within A                 |                 | *       | 1.11  | 2.69      |         |    |       |    |
| A within B                 |                 |         | 1.14  | 2.76      |         |    |       |    |
| Earhead/sq.m.              |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 322             | 3       | 271   | 5         | 324     | 4  | 306   | 4  |
| IR-SL-LON-2                | 371             | 1       | 288   | 4         | 333     | 3  | 331   | 1  |
| IR-SL-LON-3                | 332             | 2       | 301   | 3         | 337     | 2  | 323   | 3  |
| IR-SL-LON-4                | 282             | 5       | 310   | 2         | 314     | 5  | 302   | 5  |
| IR-SL-LON-5                | 298             | 4       | 322   | 1         | 363     | 1  | 327   | 2  |
| Mean                       | 321             |         | 298   |           | 334     |    | 318   |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | **      | 2.36  | 7.11      | 2.87    |    |       |    |
| Genotype (B)               |                 | **      | 5.58  | 13.49     | 5.26    |    |       |    |
| B within A                 |                 | **      | 9.66  | 23.37     |         |    |       |    |
| A within B                 |                 |         | 8.95  | 21.67     |         |    |       |    |
| Grains/earhead             |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 29.02           | 3       | 32.73 | 1         | 31.10   | 1  | 30.95 | 1  |
| IR-SL-LON-2                | 25.57           | 5       | 30.18 | 3         | 24.14   | 3  | 26.63 | 4  |
| IR-SL-LON-3                | 25.63           | 4       | 27.36 | 5         | 24.30   | 2  | 25.76 | 5  |
| IR-SL-LON-4                | 33.68           | 2       | 31.73 | 2         | 24.13   | 4  | 29.85 | 2  |
| IR-SL-LON-5                | 34.49           | 1       | 27.68 | 4         | 22.75   | 5  | 28.31 | 3  |
| Mean                       | 29.68           |         | 29.93 |           | 25.28   |    | 28.30 |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | *       | 0.63  | 1.91      | 8.66    |    |       |    |
| Genotype (B)               |                 | **      | 0.75  | 1.81      | 7.91    |    |       |    |
| B within A                 |                 | **      | 1.29  | 3.13      |         |    |       |    |
| A within B                 |                 |         | 1.32  | 3.19      |         |    |       |    |
| 1000 grains weight, g      |                 |         |       |           |         |    |       |    |
| IR-SL-LON-1                | 38.37           | 2       | 36.63 | 5         | 37.73   | 5  | 37.58 | 5  |
| IR-SL-LON-2                | 37.20           | 4       | 43.40 | 1         | 40.63   | 3  | 40.41 | 1  |
| IR-SL-LON-3                | 40.50           | 1       | 39.17 | 2         | 40.00   | 4  | 39.89 | 3  |
| IR-SL-LON-4                | 37.50           | 3       | 36.73 | 4         | 46.67   | 1  | 40.30 | 2  |
| IR-SL-LON-5                | 35.67           | 5       | 38.37 | 3         | 41.97   | 2  | 38.67 | 4  |
| Mean                       | 37.85           |         | 38.86 |           | 41.40   |    | 39.37 |    |
|                            |                 | F. Test | S.E.m | CD (0.05) | C.V.(%) |    |       |    |
| Nitrogen (A)               |                 | **      | 0.28  | 0.84      | 2.74    |    |       |    |
| Genotype (B)               |                 | **      | 0.31  | 0.76      | 2.38    |    |       |    |
| B within A                 |                 | **      | 0.54  | 1.31      |         |    |       |    |
| A within B                 |                 |         | 0.56  | 1.35      |         |    |       |    |
| Date of Sowing: 04.12.2025 |                 |         |       |           |         |    |       |    |