

**Table 1**

**AVT (Malt) NWPZ POOLED 2022-23**  
**N levels (Kg ha<sup>-1</sup>) x Varieties**

| Code/Varieties                | 60    |     | 90            |     | 120        |     | Mean       |     |
|-------------------------------|-------|-----|---------------|-----|------------|-----|------------|-----|
|                               | Yld.  | Rk. | Yld.          | Rk. | Yld.       | Rk. | Yld.       | Rk. |
| <b>Yield, q/ha</b>            |       |     |               |     |            |     |            |     |
| V1                            | 45.21 | 3   | 48.80         | 4   | 50.75      | 3   | 48.25      | 4   |
| V2                            | 45.96 | 2   | 49.53         | 3   | 52.90      | 1   | 49.46      | 1   |
| V3                            | 45.21 | 4   | 49.63         | 2   | 51.39      | 2   | 48.74      | 3   |
| V4                            | 46.42 | 1   | 49.68         | 1   | 50.21      | 4   | 48.77      | 2   |
| V5                            | 44.30 | 5   | 48.41         | 5   | 47.28      | 5   | 46.66      | 5   |
| MEAN                          | 45.42 |     | 49.21         |     | 50.51      |     | 48.38      |     |
| CD (0.05)                     | N(A)  |     | Varieties (B) |     | B within A |     | A within B |     |
|                               | 0.91  |     | 0.85          |     | 1.58       |     | 1.64       |     |
| <b>Earhead/ m<sup>2</sup></b> |       |     |               |     |            |     |            |     |
| V1                            | 391   | 2   | 412           | 3   | 419        | 3   | 407        | 3   |
| V2                            | 380   | 4   | 388           | 4   | 404        | 4   | 391        | 4   |
| V3                            | 390   | 3   | 428           | 1   | 438        | 1   | 419        | 2   |
| V4                            | 367   | 5   | 380           | 5   | 385        | 5   | 377        | 5   |
| V5                            | 413   | 1   | 421           | 2   | 428        | 2   | 421        | 1   |
| MEAN                          | 388   |     | 406           |     | 415        |     | 403        |     |
| CD (0.05)                     | N(A)  |     | Varieties (B) |     | B within A |     | A within B |     |
|                               | 6.73  |     | 7.29          |     | 12.6       |     | 13.1       |     |
| <b>Grains/Earhead</b>         |       |     |               |     |            |     |            |     |
| V1                            | 27.56 | 4   | 28.73         | 4   | 28.41      | 4   | 28.24      | 4   |
| V2                            | 28.85 | 2   | 29.38         | 2   | 29.84      | 2   | 29.36      | 2   |
| V3                            | 28.59 | 3   | 27.55         | 5   | 26.98      | 5   | 27.71      | 5   |
| V4                            | 40.55 | 1   | 41.47         | 1   | 42.61      | 1   | 41.54      | 1   |
| V5                            | 27.56 | 5   | 29.25         | 3   | 29.14      | 3   | 28.65      | 3   |
| MEAN                          | 30.62 |     | 31.28         |     | 31.40      |     | 31.10      |     |
| CD (0.05)                     | N (A) |     | Varieties (B) |     | B within A |     | A within B |     |
|                               | 0.81  |     | NS            |     | NS         |     | 1.69       |     |
| <b>1000 Grain Weight, g</b>   |       |     |               |     |            |     |            |     |
| V1                            | 49.46 | 3   | 49.65         | 3   | 50.57      | 3   | 49.90      | 3   |
| V2                            | 51.97 | 1   | 53.39         | 1   | 53.62      | 1   | 52.99      | 1   |
| V3                            | 49.53 | 2   | 50.13         | 2   | 51.55      | 2   | 50.40      | 2   |
| V4                            | 48.53 | 4   | 49.25         | 4   | 48.37      | 4   | 48.72      | 4   |
| V5                            | 46.05 | 5   | 47.25         | 5   | 46.69      | 5   | 46.66      | 5   |
| MEAN                          | 49.11 |     | 49.94         |     | 50.16      |     | 49.73      |     |
| CD (0.05)                     | N (A) |     | Varieties (B) |     | B within A |     | A within B |     |
|                               | 1.04  |     | NS            |     | NS         |     | 1.97       |     |

Durgapura, Hisar, Karnal, Ludhiana

## Centre wise yield tables

**Table 1.1 Response of new genotypes to Nitrogen levels** **Durgapura**

| Varieties    | N Levels, kg/ha |       |            |         |       |      |       |      |
|--------------|-----------------|-------|------------|---------|-------|------|-------|------|
|              | N60             | Rank  | N90        | Rank    | N120  | Rank | Mean  | Rank |
| V1           | 47.17           | 5     | 53.85      | 5       | 55.24 | 4    | 52.09 | 5    |
| V2           | 54.23           | 1     | 59.9       | 1       | 64.23 | 1    | 59.46 | 1    |
| V3           | 47.27           | 4     | 58.70      | 2       | 56.36 | 3    | 54.11 | 2    |
| V4           | 47.87           | 3     | 55.89      | 3       | 57.01 | 2    | 53.59 | 3    |
| V5           | 51.35           | 2     | 54.84      | 4       | 52.63 | 5    | 52.94 | 4    |
| MEAN         | 49.58           |       | 56.64      |         | 57.09 |      | 54.44 |      |
|              | F. Test         | S.E.m | C.D.(0.05) | C.V.(%) |       |      |       |      |
| N levels (A) | **              | 0.77  | 3.04       | 5.51    |       |      |       |      |
| Varieties(B) | **              | 0.88  | 2.56       | 4.83    |       |      |       |      |
| B within A   | N.S.            | 1.52  | 4.43       |         |       |      |       |      |
| A within B   |                 | 1.56  | 4.56       |         |       |      |       |      |

### Hisar

| Varieties    | N Levels, kg/ha |       |            |         |       |      |       |      |
|--------------|-----------------|-------|------------|---------|-------|------|-------|------|
|              | N45             | Rank  | N60        | Rank    | N75   | Rank | Mean  | Rank |
| V1           | 44.06           | 3     | 49.38      | 1       | 49.21 | 2    | 47.55 | 2    |
| V2           | 45.13           | 2     | 48.60      | 2       | 50.51 | 1    | 48.08 | 1    |
| V3           | 41.95           | 4     | 47.72      | 4       | 47.92 | 3    | 45.86 | 4    |
| V4           | 46.67           | 1     | 48.22      | 3       | 47.38 | 4    | 47.42 | 3    |
| V5           | 41.83           | 5     | 46.16      | 5       | 45.72 | 5    | 44.57 | 5    |
| MEAN         | 43.93           |       | 48.02      |         | 48.15 |      | 46.70 |      |
|              | F. Test         | S.E.m | C.D.(0.05) | C.V.(%) |       |      |       |      |
| N levels (A) | *               | 0.61  | 2.39       | 5.05    |       |      |       |      |
| Varieties(B) | *               | 0.82  | 2.40       | 5.28    |       |      |       |      |
| B within A   | N.S.            | 1.42  | 4.16       |         |       |      |       |      |
| A within B   |                 | 1.41  | 4.12       |         |       |      |       |      |

### Karnal

| Varieties    | N Levels, kg/ha |       |            |         |       |      |       |      |
|--------------|-----------------|-------|------------|---------|-------|------|-------|------|
|              | N45             | Rank  | N60        | Rank    | N75   | Rank | Mean  | Rank |
| V1           | 52.24           | 2     | 50.80      | 4       | 54.30 | 4    | 52.45 | 2    |
| V2           | 48.88           | 4     | 51.00      | 2       | 54.46 | 3    | 51.45 | 4    |
| V3           | 50.75           | 3     | 50.89      | 3       | 55.06 | 2    | 52.23 | 3    |
| V4           | 59.54           | 1     | 56.41      | 1       | 55.55 | 1    | 57.17 | 1    |
| V5           | 47.30           | 5     | 45.78      | 5       | 42.23 | 5    | 45.10 | 5    |
| MEAN         | 51.74           |       | 50.98      |         | 52.32 |      | 51.68 |      |
|              | F. Test         | S.E.m | C.D.(0.05) | C.V.(%) |       |      |       |      |
| N levels (A) | N.S.            | 0.59  | 2.30       | 4.39    |       |      |       |      |
| Varieties(B) | **              | 0.58  | 1.68       | 3.35    |       |      |       |      |
| B within A   | **              | 1.00  | 2.91       |         |       |      |       |      |
| A within B   |                 | 1.07  | 3.12       |         |       |      |       |      |

| <b>Ludhiana</b> |       |         |       |      |         |      |       |      |
|-----------------|-------|---------|-------|------|---------|------|-------|------|
| Varieties       | N45   | Rank    | N60   | Rank | N75     | Rank | Mean  | Rank |
| V1              | 37.38 | 2       | 41.14 | 3    | 44.26   | 3    | 40.93 | 3    |
| V2              | 35.60 | 4       | 38.59 | 4    | 42.40   | 4    | 38.87 | 4    |
| V3              | 40.88 | 1       | 41.19 | 2    | 46.22   | 2    | 42.76 | 2    |
| V4              | 31.59 | 5       | 38.19 | 5    | 40.90   | 5    | 36.89 | 5    |
| V5              | 36.72 | 3       | 46.85 | 1    | 48.55   | 1    | 44.04 | 1    |
| MEAN            | 36.44 |         | 41.19 |      | 44.46   |      | 40.70 |      |
|                 |       | F. Test | S.E.m | C.D. | C.V.(%) |      |       |      |
| N levels (A)    |       | **      | 0.75  | 2.96 | 7.17    |      |       |      |
| Varieties(B)    |       | **      | 0.81  | 2.35 | 5.94    |      |       |      |
| B within A      |       | N.S.    | 1.40  | 4.08 |         |      |       |      |
| A within B      |       |         | 1.46  | 4.26 |         |      |       |      |