

**2312-IVT-RF-TS-TAS-NHZ, 2023-24  
LOCATIONWISE MEAN YIELD (q/ha)**

| SN               | Variety   | Code     | H.P.     |    |   |          |    |   | UTK      |    |   |          |    |   |          |    |   |
|------------------|-----------|----------|----------|----|---|----------|----|---|----------|----|---|----------|----|---|----------|----|---|
|                  |           |          | Malan    |    |   | Shimla   |    |   | Bajaura  |    |   | Almora   |    |   | Gaja     |    |   |
|                  |           |          | Yield    | Rk | G | Yield    | Rk | G | Yield    | Rk | G | Yield    | Rk | G | Yield    | Rk | G |
| 1                | HPW500    | NHIVT202 | 46.3     | 1  | 1 | 34.3     | 4  | 1 | 31.6     | 4  | 1 | 36.1     | 3  | 0 | 31.4     | 5  | 1 |
| 2                | VL2056    | NHIVT203 | 36.9     | 8  | 0 | 34.9     | 3  | 1 | 30.1     | 6  | 0 | 24.6     | 10 | 0 | 30.5     | 8  | 0 |
| 3                | UP3149    | NHIVT204 | 28.9     | 13 | 0 | 25.2     | 12 | 0 | 29.4     | 9  | 0 | 18.0     | 15 | 0 | 20.3     | 16 | 0 |
| 4                | VL2057    | NHIVT205 | 38.4     | 6  | 0 | 35.2     | 2  | 1 | 30.0     | 7  | 0 | 35.6     | 4  | 0 | 36.8     | 1  | 1 |
| 5                | SKW367    | NHIVT206 | 22.2     | 15 | 0 | 26.1     | 10 | 0 | 24.6     | 16 | 0 | 24.0     | 11 | 0 | 32.0     | 4  | 1 |
| 6                | VL2055    | NHIVT207 | 25.0     | 14 | 0 | 13.3     | 16 | 0 | 28.4     | 12 | 0 | 17.1     | 16 | 0 | 26.8     | 12 | 0 |
| 7                | HPW502    | NHIVT208 | 35.9     | 10 | 0 | 26.5     | 9  | 0 | 29.9     | 8  | 0 | 26.7     | 8  | 0 | 23.9     | 13 | 0 |
| 8                | HS701     | NHIVT209 | 35.8     | 11 | 0 | 37.2     | 1  | 1 | 28.3     | 13 | 0 | 30.3     | 6  | 0 | 28.8     | 11 | 0 |
| 9                | HS702     | NHIVT210 | 32.1     | 12 | 0 | 23.1     | 14 | 0 | 28.6     | 11 | 0 | 27.9     | 7  | 0 | 22.0     | 14 | 0 |
| 10               | HS700     | NHIVT211 | 21.4     | 16 | 0 | 26.1     | 11 | 0 | 26.9     | 15 | 0 | 30.8     | 5  | 0 | 29.7     | 9  | 0 |
| 11               | HPW499    | NHIVT212 | 40.5     | 4  | 0 | 23.3     | 13 | 0 | 33.4     | 1  | 1 | 21.2     | 13 | 0 | 21.1     | 15 | 0 |
| 12               | VL2058    | NHIVT213 | 43.0     | 3  | 0 | 31.6     | 7  | 0 | 28.7     | 10 | 0 | 25.0     | 9  | 0 | 34.3     | 2  | 1 |
| 13               | HD3493    | NHIVT214 | 39.9     | 5  | 0 | 28.0     | 8  | 0 | 32.1     | 3  | 1 | 23.3     | 12 | 0 | 30.8     | 6  | 0 |
| 14               | HPW501    | NHIVT215 | 37.5     | 7  | 0 | 22.4     | 15 | 0 | 30.8     | 5  | 0 | 18.9     | 14 | 0 | 30.7     | 7  | 0 |
| 15               | HS507 (C) | NHIVT201 | 43.1     | 2  | 1 | 31.8     | 6  | 0 | 32.2     | 2  | 1 | 38.8     | 2  | 0 | 29.4     | 10 | 0 |
| 16               | HS562 (C) | NHIVT216 | 36.8     | 9  | 0 | 32.9     | 5  | 0 | 27.7     | 14 | 0 | 43.3     | 1  | 1 | 32.8     | 3  | 1 |
| G.M.             |           |          | 35.2     |    |   | 28.2     |    |   | 29.5     |    |   | 27.6     |    |   | 28.8     |    |   |
| S.E.(M)          |           |          | 1.382    |    |   | 1.588    |    |   | 0.827    |    |   | 0.916    |    |   | 2.365    |    |   |
| C.D. (10%)       |           |          | 3.3      |    |   | 3.8      |    |   | 2.0      |    |   | 2.2      |    |   | 5.6      |    |   |
| C.V.             |           |          | 7.8      |    |   | 11.2     |    |   | 5.6      |    |   | 6.6      |    |   | 16.4     |    |   |
| D.O.S.(dd.mm.yy) |           |          | 24.10.23 |    |   | 17.10.23 |    |   | 20.10.23 |    |   | 16.10.23 |    |   | 26.10.23 |    |   |

No. of Trials : Proposed = 09 Conducted = 09  
 Trial not conducted (00) = Nil  
 Trials not reported (02) = Imphal (LSM), Majhera (LSM)

**2312-IVT-RF-TS-TAS-NHZ, 2023-24  
LOCATIONWISE MEAN YIELD (q/ha)**

| SN               | Variety   | Code     | J&K      |    |   |          |    |   |
|------------------|-----------|----------|----------|----|---|----------|----|---|
|                  |           |          | Khudwani |    |   | Wadura   |    |   |
|                  |           |          | Yield    | Rk | G | Yield    | Rk | G |
| 1                | HPW500    | NHIVT202 | 26.3     | 8  | 0 | 48.9     | 7  | 1 |
| 2                | VL2056    | NHIVT203 | 28.8     | 5  | 0 | 50.8     | 2  | 1 |
| 3                | UP3149    | NHIVT204 | 29.6     | 4  | 0 | 42.4     | 9  | 0 |
| 4                | VL2057    | NHIVT205 | 25.6     | 11 | 0 | 50.1     | 4  | 1 |
| 5                | SKW367    | NHIVT206 | 33.6     | 2  | 1 | 34.0     | 14 | 0 |
| 6                | VL2055    | NHIVT207 | 24.6     | 14 | 0 | 43.0     | 8  | 0 |
| 7                | HPW502    | NHIVT208 | 25.5     | 12 | 0 | 34.9     | 13 | 0 |
| 8                | HS701     | NHIVT209 | 23.9     | 16 | 0 | 25.4     | 16 | 0 |
| 9                | HS702     | NHIVT210 | 25.7     | 10 | 0 | 50.2     | 3  | 1 |
| 10               | HS700     | NHIVT211 | 28.5     | 6  | 0 | 36.2     | 12 | 0 |
| 11               | HPW499    | NHIVT212 | 25.1     | 13 | 0 | 49.9     | 5  | 1 |
| 12               | VL2058    | NHIVT213 | 24.3     | 15 | 0 | 49.0     | 6  | 1 |
| 13               | HD3493    | NHIVT214 | 26.3     | 8  | 0 | 38.6     | 10 | 0 |
| 14               | HPW501    | NHIVT215 | 28.3     | 7  | 0 | 26.8     | 15 | 0 |
| 15               | HS507 (C) | NHIVT201 | 35.4     | 1  | 1 | 51.8     | 1  | 1 |
| 16               | HS562 (C) | NHIVT216 | 30.6     | 3  | 0 | 36.9     | 11 | 0 |
| G.M.             |           |          | 27.6     |    |   | 41.8     |    |   |
| S.E.(M)          |           |          | 1.638    |    |   | 1.751    |    |   |
| C.D. (10%)       |           |          | 3.9      |    |   | 4.2      |    |   |
| C.V.             |           |          | 11.9     |    |   | 8.4      |    |   |
| D.O.S.(dd.mm.yy) |           |          | 21.10.23 |    |   | 15.10.23 |    |   |

2312-IVT-RF-TS-TAS-NHZ, 2023-24  
STATE AND ZONAL MEANS (q/ha)

| SN         | Variety   | Code     | H.P.  |    |   | UTK   |    |   | J&K   |    |   | Zonal |    |   |
|------------|-----------|----------|-------|----|---|-------|----|---|-------|----|---|-------|----|---|
|            |           |          | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G | Yield | Rk | G |
| 1          | HPW500    | NHIVT202 | 37.4  | 1  | 1 | 33.8  | 4  | 0 | 37.6  | 5  | 0 | 36.4  | 2  | 1 |
| 2          | VL2056    | NHIVT203 | 33.9  | 5  | 0 | 27.6  | 9  | 0 | 39.8  | 2  | 0 | 33.8  | 5  | 0 |
| 3          | UP3149    | NHIVT204 | 27.9  | 13 | 0 | 19.1  | 16 | 0 | 36.0  | 8  | 0 | 27.7  | 15 | 0 |
| 4          | VL2057    | NHIVT205 | 34.5  | 3  | 0 | 36.2  | 2  | 1 | 37.9  | 4  | 0 | 36.0  | 3  | 0 |
| 5          | SKW367    | NHIVT206 | 24.3  | 15 | 0 | 28.0  | 8  | 0 | 33.8  | 9  | 0 | 28.1  | 13 | 0 |
| 6          | VL2055    | NHIVT207 | 22.2  | 16 | 0 | 21.9  | 14 | 0 | 33.8  | 10 | 0 | 25.4  | 16 | 0 |
| 7          | HPW502    | NHIVT208 | 30.8  | 10 | 0 | 25.3  | 11 | 0 | 30.2  | 14 | 0 | 29.0  | 11 | 0 |
| 8          | HS701     | NHIVT209 | 33.7  | 6  | 0 | 29.6  | 7  | 0 | 24.7  | 16 | 0 | 30.0  | 9  | 0 |
| 9          | HS702     | NHIVT210 | 27.9  | 12 | 0 | 25.0  | 12 | 0 | 38.0  | 3  | 0 | 29.9  | 10 | 0 |
| 10         | HS700     | NHIVT211 | 24.8  | 14 | 0 | 30.2  | 5  | 0 | 32.3  | 13 | 0 | 28.5  | 12 | 0 |
| 11         | HPW499    | NHIVT212 | 32.4  | 9  | 0 | 21.1  | 15 | 0 | 37.5  | 6  | 0 | 30.6  | 8  | 0 |
| 12         | VL2058    | NHIVT213 | 34.4  | 4  | 0 | 29.7  | 6  | 0 | 36.7  | 7  | 0 | 33.7  | 6  | 0 |
| 13         | HD3493    | NHIVT214 | 33.3  | 7  | 0 | 27.0  | 10 | 0 | 32.4  | 12 | 0 | 31.3  | 7  | 0 |
| 14         | HPW501    | NHIVT215 | 30.2  | 11 | 0 | 24.8  | 13 | 0 | 27.6  | 15 | 0 | 27.9  | 14 | 0 |
| 15         | HS507 (C) | NHIVT201 | 35.7  | 2  | 1 | 34.1  | 3  | 0 | 43.6  | 1  | 1 | 37.5  | 1  | 1 |
| 16         | HS562 (C) | NHIVT216 | 32.5  | 8  | 0 | 38.0  | 1  | 1 | 33.8  | 11 | 0 | 34.4  | 4  | 0 |
| G.M.       |           |          | 31.0  |    |   | 28.2  |    |   | 34.7  |    |   | 31.3  |    |   |
| S.E.(M)    |           |          | 0.754 |    |   | 1.268 |    |   | 1.199 |    |   | 0.594 |    |   |
| C.D. (10%) |           |          | 1.8   |    |   | 3.0   |    |   | 2.8   |    |   | 1.4   |    |   |

## Summary of Disease Data and Agronomic Characteristics

Northern Hills Zone

Trial : IVT-RF-TS-TAS-NHZ, 2023-24

| SN | Variety   | Code     | Disease Reaction |     |    | Agronomic Characteristics |      |         |       |         |      | Grain Characteristics |       |
|----|-----------|----------|------------------|-----|----|---------------------------|------|---------|-------|---------|------|-----------------------|-------|
|    |           |          | YI               | Br  | PM | Hd.R                      | Hd.M | Mat.R   | Mat.M | Ht.R    | Ht.M | TGW.R                 | TGW.M |
| 1  | HPW500    | NHIVT202 | 5S               | 0   | 3  | 78-186                    | 128  | 147-240 | 195   | 86-108  | 96   | 42-61                 | 49    |
| 2  | VL2056    | NHIVT203 | 0                | 0   | 2  | 77-193                    | 133  | 148-239 | 196   | 83-120  | 92   | 41-53                 | 46    |
| 3  | UP3149    | NHIVT204 | 5S               | 0   | 2  | 74-198                    | 138  | 146-243 | 196   | 106-196 | 96   | 41-53                 | 47    |
| 4  | VL2057    | NHIVT205 | 5S               | 0   | 3  | 78-199                    | 141  | 146-242 | 196   | 99-196  | 90   | 35-50                 | 43    |
| 5  | SKW367    | NHIVT206 | 0                | 0   | 2  | 78-198                    | 132  | 147-242 | 198   | 73-105  | 86   | 40-53                 | 46    |
| 6  | VL2055    | NHIVT207 | 0                | 0   | 3  | 74-200                    | 131  | 147-243 | 198   | 85-112  | 97   | 39-59                 | 50    |
| 7  | HPW502    | NHIVT208 | 0                | 0   | 3  | 74-198                    | 132  | 146-242 | 195   | 84-113  | 97   | 46-55                 | 50    |
| 8  | HS701     | NHIVT209 | 0                | 0   | 2  | 76-196                    | 133  | 148-243 | 197   | 105-197 | 95   | 43-53                 | 49    |
| 9  | HS702     | NHIVT210 | 0                | 0   | 2  | 77-196                    | 132  | 147-240 | 195   | 100-195 | 91   | 39-59                 | 46    |
| 10 | HS700     | NHIVT211 | 0                | 0   | 2  | 77-194                    | 131  | 146-241 | 196   | 79-106  | 93   | 45-62                 | 52    |
| 11 | HPW499    | NHIVT212 | 0                | 0   | 2  | 74-195                    | 127  | 146-241 | 196   | 81-115  | 93   | 39-63                 | 49    |
| 12 | VL2058    | NHIVT213 | 0                | 0   | 2  | 77-195                    | 135  | 147-239 | 196   | 73-106  | 92   | 37-51                 | 44    |
| 13 | HD3493    | NHIVT214 | 0                | 0   | 2  | 75-199                    | 136  | 147-242 | 197   | 104-197 | 96   | 39-52                 | 45    |
| 14 | HPW501    | NHIVT215 | 0                | 0   | 3  | 74-199                    | 127  | 146-241 | 196   | 102-196 | 91   | 35-53                 | 44    |
| 15 | HS507 (C) | NHIVT201 | 0                | 0   | 3  | 74-194                    | 140  | 148-241 | 197   | 75-105  | 92   | 37-53                 | 44    |
| 16 | HS562 (C) | NHIVT216 | 0                | 10S | 3  | 74-188                    | 137  | 146-240 | 197   | 78-111  | 92   | 42-59                 | 48    |

1. Ancillary data from Almora, Bajaura, Imphal, Khudwani, Majhera, Malan, Ranichauri, Shimla and Wadura.
2. Yellow and Brown rust data from Malan; 3. Powdery mildew data from Malan