**Supplementary Table 1a:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Kendall’s tau\_b Correlations on X0 ranking: Significant at the 0.01 level (2-tailed) | | | | | | | |
| Kendall’s tau\_b | Treatments |  | M-Nitrogen | M+NH4Cl | M+NH4NO3 | M+NO3 | M+Urea |
|  | M-Nitrogen | Correlation coefficient | 1.000 | .781  (<0.001) | .874  (<0.001) | .876  (<0.001) | .829  (<0.001) |
|  |  | N | 21 | 21 | 21 | 21 | 21 |
|  | M+NH4Cl | Correlation coefficient | .781  (<0.001) | 1.000 | .807  (<0.001) | .790  (<0.001) | .838  (<0.001) |
|  |  | N | 21 | 21 | 21 | 21 | 21 |
|  | M+NH4NO3 | Correlation coefficient | .874  (<0.001) | .807  (<0.001) | 1.000 | .893  (<0.001) | .833  (<0.001) |
|  |  | N | 21 | 21 | 21 | 21 | 21 |
|  | M+NO3 | Correlation coefficient | .876  (<0.001) | .790  (<0.001) | .893  (<0.001) | 1.000 | .883  (<0.001) |
|  |  | N | 21 | 21 | 21 | 21 | .000 |
|  | M+Urea | Correlation coefficient | .829  (<0.001) | .838  (<0.001) | .883  (<0.001) | .838  (<0.001) | 21 |
|  |  | N | 21 | 21 | 21 | 21 | 21 |

**Supplementary Table.1b:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Kendall’s tau\_b Correlations on ∆X0 ranking: Significant at the 0.01 level (2-tailed). | | | | | | |
| Kendall’s tau\_b | Treatments |  | ∆M+NO3 | ∆M+NH4Cl | ∆M+Urea | ∆M+NH4NO3 |
|  | ∆M+NO3 | Correlation coefficient | 1.000 | -0.48  (ns) | 0.495  (<0.01) | .571  (<0.001) |
|  |  | N | 21 | 21 | 21 | 21 |
|  | ∆M+NH4Cl | Correlation coefficient | -0.48  (ns) | 1.000 | -.171  (ns) | -.190  (ns) |
|  |  | N | 21 | 21 | 21 | 21 |
|  | ∆M+Urea | Correlation coefficient | 0.495  ((<0.01) | -.171  (ns) | 1.000 | .676  (<0.001) |
|  |  | Sig.(two tailed) | .002 | .277 |  | .000 |
|  |  | N | 21 | 21 | 21 | 21 |
|  | ∆M+NH4NO3 | Correlation coefficient | .571  (<0.001) | -.190  (ns) | .676  (<0.001) | 1.000 |
|  |  | N | 21 | 21 | 21 | 21 |

**Supplementary Table:1. Correlation analysis of the ranking of 21 genotypes** **by** **Kendall’s tau\_b test. a.** Ranking based on time taken for 50% seeds to germinate (X0) and **b.** Ranking based on the effect of N on the time taken for 50% seeds to germinate (∆X0)**.** X0 values were obtained as described in the legend for supplementary Table 1 and the difference between the X0 values with and without N were calculated as ∆X0. Values in the parenthesis shows significance.