

Performance of the control and biofertilizer treated three rice varieties in various parameters regarding the reproductive stage under non-saline and 6dS/m saline conditions.

| Conditions | | No Salt | | | | Salt stress | | | |
|--------------------------|---------|---------|----------------|----------|-----------------|-------------|----------------|----------|-----------------|
| Parameters | Variety | Control | Bio-fertilizer | % Change | <i>p</i> -value | Control | Bio-fertilizer | % Change | <i>p</i> -value |
| Plant Height (cm) | BD-28 | 102.40 | 107.00 | 4.49 | 0.03 | 74.00 | 79.00 | 6.76 | 0.44 |
| | BD-67 | 109.60 | 115.25 | 5.16 | 0.01 | 80.83 | 90.67 | 12.16 | 0.03 |
| | BD-87 | 112.75 | 120.14 | 6.56 | 0.003 | 78.80 | 108.25 | 37.37 | <0.001 |
| Tiller number | BD-28 | 11.75 | 13.75 | 17.02 | 0.44 | 4.50 | 8.33 | 85.19 | 0.03 |
| | BD-67 | 6.20 | 8.25 | 33.06 | 0.02 | 2.67 | 5.80 | 117.50 | 0.004 |
| | BD-87 | 5.40 | 6.71 | 24.34 | 0.05 | 2.57 | 6.22 | 141.98 | 0.003 |
| Panicle number | BD-28 | 7.50 | 13.00 | 73.33 | 0.03 | 3.50 | 7.33 | 109.52 | 0.1 |
| | BD-67 | 6.14 | 6.67 | 8.53 | 0.55 | 3.00 | 5.20 | 73.33 | 0.02 |
| | BD-87 | 5.71 | 6.67 | 16.67 | 0.22 | 2.50 | 4.82 | 92.73 | 0.03 |
| Filled grain number | BD-28 | 421.40 | 762.67 | 80.98 | 0.005 | 9.50 | 233.00 | 2352.63 | 0.009 |
| | BD-67 | 367.17 | 518.00 | 41.08 | 0.04 | 79.00 | 203.80 | 157.97 | 0.04 |
| | BD-87 | 403.17 | 510.20 | 26.55 | 0.11 | 116.00 | 612.00 | 427.59 | 0.001 |
| Filled grain weight (gm) | BD-28 | 7.20 | 14.69 | 104.20 | 0.006 | 0.12 | 3.82 | 3080.56 | 0.01 |
| | BD-67 | 6.34 | 9.21 | 45.15 | 0.03 | 1.32 | 3.35 | 153.64 | 0.03 |
| | BD-87 | 8.16 | 9.17 | 12.38 | 0.52 | 1.31 | 5.16 | 293.63 | 0.02 |
| % fertility | BD-28 | 71.86 | 83.41 | 16.06 | 0.02 | 9.91 | 64.75 | 553.71 | <0.001 |
| | BD-67 | 83.89 | 87.60 | 4.43 | 0.02 | 17.35 | 59.90 | 245.18 | 0.002 |
| | BD-87 | 51.96 | 52.03 | 0.14 | 0.98 | 28.15 | 46.88 | 66.56 | 0.004 |
| 1000 grain weight (gm) | BD-28 | 15.63 | 17.29 | 10.66 | 0.001 | 12.45 | 16.24 | 30.47 | 0.13 |
| | BD-67 | 17.05 | 18.12 | 6.33 | 0.002 | 16.56 | 17.61 | 6.39 | 0.03 |
| | BD-87 | 17.96 | 19.17 | 6.75 | <0.001 | 16.51 | 18.06 | 9.35 | 0.02 |
| Yield (gm/plant) | BD-28 | 7.20 | 14.69 | 104.20 | 0.006 | 0.12 | 3.82 | 3080.56 | 0.01 |
| | BD-67 | 6.34 | 9.21 | 45.15 | 0.03 | 1.32 | 3.35 | 153.64 | 0.03 |
| | BD-87 | 8.16 | 9.17 | 12.38 | 0.52 | 1.31 | 5.16 | 293.63 | 0.02 |