

**MS AGRICULTURAL AND FORESTRY**

**EXPERIMENT STATION**

**Delta Research & Extension Center**

P.O. Box 197 Stoneville, MS 38776

P. 662-686-9311

F. 662-686-7336

**Large Plot Rice Cultivar Demonstration, 2022**

**Conducted By: Hunter D. Bowman**

Extension Rice Specialist

**Test Design**

Individual plots were 15 feet wide by approximately 200 feet in length, depending on the paddy length in each designated field. Varieties were planted at a seeding rate of 65 pounds of seed per acre, while hybrids were planted at a seeding rate of 25 pounds per acre. All entries were replicated two times at each location. Crop management practices for each location were made by cooperating producers to closely mimic a real-world growing environment.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Averages of all data collected from cultivars evaluated in on-farm trials at three locations in 2022** | | | | | | | | |
| **Entry** | **Yield** | **Whole milled rice** | **Total milled rice** | **Chalk** | **Harvest moisture** | **Bushel**  **weight** | **Plant height** |
|  | bu/A | % | % | % | % | lb | in |
|  |  |  |  |  |  |  |  |
| Varieties (No herbicide trait) | | | | | | | | |
| DG263L | 188 | 48.7 | 66.9 | 7.8 | 13.2 | 41.9 | 35.1 |
| Diamond | 188 | 48 | 67 | 4.1 | 15.8 | 43.7 | 39.4 |
| Leland | 164 | 53.7 | 69.2 | 3.7 | 14.2 | 43.7 | 41.1 |
|  |  |  |  |  |  |  |  |
| Clearfield varieties | | | | | | | | |
| CLL16 | 196 | 45.3 | 64.5 | 4.1 | 17.3 | 43.2 | 38.1 |
| CLL18 | 192 | 35.7 | 63.3 | 5.9 | 16.4 | 42.9 | 40.6 |
| CLHA02 | 180 | 53.2 | 68.5 | 8.5 | 14 | 43.5 | 33.7 |
|  |  |  |  |  |  |  |  |
| Provisia/MaxAce varieties | | | | | | | | |
| PVL03 | 170 | 49.4 | 66.5 | 4.9 | 14.6 | 42.5 | 35.3 |
| RT7231 MA | 187 | 45 | 69 | 16.4 | 12.7 | 41.9 | 36.9 |
|  |  |  |  |  |  |  |  |
| Hybrid (No herbicide trait) | | | | | | | |
| XP753 | 221 | 50.3 | 68 | 7.3 | 14.8 | 42.1 | 39.7 |
| RT7301 | 218 | 47.1 | 68 | 7 | 13 | 42.7 | 38.3 |
| RT7401 | 205 | 47.3 | 68.8 | 9.9 | 15.5 | 41.2 | 39.3 |
|  |  |  |  |  |  |  |  |
| FullPage hybrids | | | | | | | |
| RT7321 FP | 204 | 48.5 | 69 | 11.1 | 15 | 41.3 | 41.1 |
| RT7521 FP | 209 | 52 | 69.8 | 8.5 | 15 | 41.4 | 40.3 |
| RT7523 FP | 215 | 46.3 | 67.2 | 7.6 | 16.1 | 40.6 | 41.4 |
|  |  |  |  |  |  |  |  |
| MaxAce hybrid | | | | | | | |
| RT7331 MA | 210 | 44.2 | 68.3 | 9.3 | 14 | 42.6 | 38.7 |