**Tables**

Table 1S. Main grain and plant characteristics of the rice varieties tested in the study (source: Ente Nazionale Risi, 2023; www.risoitaliano.eu).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variety** | **Group based on grain size** | **Grain length (mm)** | **Grain width (mm)** | **1,000 seed weight (g)** | **Growth cycle length (seeding-maturity) (days)** | **Seeding rate (kg/ha)** | **Plant height (cm)** |
| Baldo | Long A | 7.3 | 3.3 | 40.7 | 150 | 180-200 | 92.0 |
| Balilla | round | 5.2 | 3.1 | 23.7 | 160 | 180-200 | 88.0 |
| Brio | round | 5.2 | 3.0 | 26.2 | 140 | 170-190 | 95.0 |
| Cammeo | Long A | 7.5 | 3.2 | 39.2 | 140 | 160-180 | 80.0 |
| Carnaroli | Long A | 7.2 | 3.4 | 41.3 | 160 | 180-200 | 114.0 |
| Centauro | round | 5.4 | 3.3 | 29.7 | 135 | 160-180 | 70.0 |
| Cerere | round | 5.2 | 3.0 | 29.5 | 132 | 160-180 | 60.0 |
| CRLB1 | Long B | 8.1 | 2.4 | 29.2 | 125 | 190-200 | 80.0 |
| Ecco 63 hybrid | Long B | 6.7 | 2.0 | 27.6 | 155 | 30 | 105.0 |
| Fenomeno | Long A | 6.2 | 2.5 | 27.0 | 150 | 180 | 95.0 |
| Gladio | Long B | 7.7 | 2.3 | 27.6 | 135 | 160-180 | 72.0 |
| Karbor | medium | 6.6 | 3.3 | 40.0 | 140 | 160-180 | 95.0 |
| Laser | Long B | 7.2 | 2.4 | 28.0 | 145 | 180-200 | 90.0 |
| Limperatore | medium | 5.9 | 2.1 | 26.0 | 150 | 180 | 95.0 |
| Mirko | Long B | 7.0 | 2.0 | 22.0 | 142 | 180-200 | 92.0 |
| Opale | Long A | 6.6 | 2.8 | 27.0 | 134 | 180-200 | 93.3 |
| Ronaldo | Long A | 6.6 | 2.8 | 26.2 | 148 | 180-200 | 78.0 |
| Selenio | round | 5.0 | 3.0 | 26.0 | 145 | 160-180 | 76.0 |
| Spillo | round | 5.1 | 3.1 | 26.3 | 140 | 170-180 | 85.0 |
| Vasco | Long A | 7.2 | 2.8 | 32.1 | 150 | 180-200 | 80.0 |
| Venere | medium | 6.0 | 2.7 | 22.9 | 125 | 160-180 | 105.0 |
| Volano | Long A | 7.3 | 3.6 | 38.0 | 155 | 200-220 | 110.0 |
| 882\* | Long A | 6.1 | 2.6 | 34.0 | 135 | 180-190 | 85.0 |
| 883 | Long A | 6.4 | 2.7 | 32 | 145 | 180-190 | 80.0 |

\*882 now registered as Kikko; 883 now registered as Borandotto