

REGISTRATION OF 'INIA 66R' WHEAT

'INIA 66R' (CI 15328) (*Triticum aestivum* L.) (Reg. no. 700) was released by the California Agricultural Experiment Station in 1970. It was developed in Mexico by the International Maize and Wheat Improvement Center (CIMMYT) and is a sib or reselection line from the same progenitor as 'Inia 66' (1) released by the National Institute for Agricultural Research (INIA) in Mexico in 1966. It was selected from the cross 'Lerma Rojo 64' × 'Sonora 64' and has the CIMMYT cross and selection number II-19008-83M-100Y-100M-100Y-100C-104C. Seed of this line was received from CIMMYT in 1968 and it was evaluated in California regional trials in 1969 and 1970. In 18 trials, Inia 66R exceeded Inia 66 in yield 16 times and it had a significant ($P \leq 0.01$) mean grain yield advantage at 229 kg ha⁻¹, or 6.2% over Inia 66 (2). Inia 66R replaced Inia 66 in the certified seed program in California in 1971. The cultivar was widely grown in California and substantial quantities of certified seed have been exported to several countries.

Inia 66R is a spring wheat with no growth and morphological characteristics distinguishing it from Inia 66. The description of Inia 66 given earlier (1) does not differ from that given here. Maturity is early, straw strength is good, height is short (95 to 105 cm) in a highly productive environment, shatter resistance is moderately good, and grain yield potential is good. The spikes are white, fully awned, with short glume awn, and nodding at maturity. Kernels are light red, large in size, and semi-hard to hard in texture. Grain test weight is outstanding. Milling and breadmaking characteristics are good. In California, Inia 66R has adequate resistance to the prevalent races of *Puccinia striiformis* West.

Seed stocks are maintained by the Foundation Seed and Plant Materials Service, University of California, Davis, CA 95616.

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References and Notes

1. INIA and CIMMYT Wheat Programs. 1972. Registration of Inia 66 Wheat. *Crop Sci.* 12:130.
2. Qualset, C.O., J.D. Prato, J.A. Rupert, H.E. Vogt, W.H. Isom, and W.F. Lehman. 1971. Inia 66R—a new high-yielding wheat selection. *California Agric.* 25(6):9.
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