REGISTRATION OF 'OVESON' WHEAT

'OVESON' (PI 512338) a soft white winter wheat (Triticum aestivum L.) (Reg. no. 738) was developed cooperatively by the Columbia Basin Agricultural Research Center (Oregon Agricultural Experiment Station) Pendleton, OR and the USDA-ARS and was released in 1986. It was named in recognition of the late M. M. Oveson, a former superintendent of the Sherman and Pendleton Branch Experiment Stations, who made significant research contributions to wheat production of eastern Oregon.

Oveson was derived from a single F4 plant selected in 1978 from the cross of 'Hyslop'/'Yayla'//WA4995/3/'Cerco'. It is a tall semidwarf cultivar with an awned common type of spike that has white glumes. Its kernels are white, midsized, and elliptical with a short brush and a shallow crease.

Oveson is resistant to the prevalent U.S. Pacific Northwest races of stripe rust (caused by Puccinia striiformis West.) and moderately tolerant to Cephalosporium stripe (caused by Cephalosporium gramineum Nis. & Ika.). Oveson is susceptible to leaf rust (caused by Puccinia recondita Rob. ex Desm. f. sp. tritici). It is resistant to some races of common bunt [caused by Tilletia caries (DC.) Tul. and T. foetida (Wallr.) Liro] since it has the Bt4 gene for resistance. Oveson is moderately susceptible to strawbreaker foot rot [caused by Pseudocercosporella herpotrichoides (Fron.) Dei.].

Oveson was tested as OR7996 in northeastern Oregon trials from 1981 to 1986 and in the Western Regional White Winter Wheat Nursery during 1982 to 1986. In 82 test years in northeastern Oregon, Oveson has yielded 5% higher than 'Stephens' in higher yielding areas but 7% lower in lower yielding areas. Although Oveson has yielded higher than Stephens under irrigation, it possesses less resistance to lodging and, therefore, requires careful management of fertilizer and water. In 97 test years of regional trials, the mean volume weight of Oveson was 5 g heavier than that of Stephens. The winterhardiness of Oveson is about equal to that of Stephens and its emergence rate is higher.

Tests by the USDA-ARS Western Wheat Laboratory indicate that Oveson has satisfactory mill quality characteristics being similar to Stephens for cookie diameter, noodle score, and Japanese sponge volume.

Breeder and foundation seed of Oveson is maintained by the Foundation Seed and Plant Materials Project, Crop Science Department, Oregon State University, Corvallis, OR 97331.

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References and Notes

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