REGISTRATION OF '5364' ALFALFA

'5364' ALFALFA (Medicago sativa L.) (Reg. no. 162) (PI 533625) was developed by Pioneer Hi-Bred International, Inc. and tested experimentally as XAR64, YAR64, JHR873, and 83CR252. The cultivar was released 24 Feb. 1989.

'5364' is a fifteen-clone synthetic with parental clones selected for forage yield based on progeny testing and for one or more of the following: seed yield, bacterial wilt [caused by the bacterium Clavibacter michiganense subsp. insidiosum (McCulloch) Davis et al., 1984], Verticillium wilt (caused by Verticillium albo-atrum Reineke and Berth.), Phytophthora root rot (caused by Phytophthora megasperma Drechs. f. sp. Medicaginis Kuan and Erwin), anchracnose (caused by Colletotrichum trifolii Bain), and biotypes of the spotted alfalfa aphid [Theroaphis maculata (Buckton)] found in Fresno County, CA. Germplasm sources (1) of 5364 include approximately 3% M. falcata, 6% Turkistan, 53% Flemish, 12% Chilean, and 1% Peruvian tracing back through 'Vernal', 'Saranac', 'Saranac AR', 'Dawson', 'Culver', 'Iroquois', Flemish, and Flemish root rot. 5364 has been tested for forage yield throughout the northern regions of the USA. Flower color is approximately 98% purple, 2% variegated, and a trace of yellow, cream, and white.

Seed increase is limited to one, two, and one generation of breeder, foundation, and certified seed classes, respectively. Limitation of age of stand is 3 and 5 yr, respectively, for foundation and certified seed. Seed produced from the certified class is not recognized as 5364. 5364 was favorably reviewed in 1988 by the National Alfalfa Variety Review Board. Application has been made for plant variety protection.

W.T.W. Woodward,* G.E. Hoard, D.L. Jessen, D.J. Miller, L.D. Satterlee, and M.A. Smith (2)

References and Notes

2. Pioneer Hi-Bred International, Inc., P.O. Box 287, Johnston, IA 50131. Registration by CSSA. Accepted 30 June 1989. *Corresponding author.

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REGISTRATION OF 'LLOYD' SOYBEAN

'LLOYD' soybean (Glycine max (L.) Merr. (PI 533602) was developed by the Arkansas Agricultural Experiment Station. It is a determinate cultivar of Maturity Group VI that is adapted for planting where soybean cyst nematode (SCN) (Heterodera glycinea) is prevalent.

Exposure of bulk of 8 hooded normal palea lines from the Tease cross was tested as MT 4061 (Hooded Betzes) for grain and hay production from 1973 through 1975 and from 1985 through 1987. In 1987, 20 hooded line rows that were retested experimentally as XAR64, YAR64, JHR873, and 83CR252. The cultivar was released 24 Feb. 1989.

Haybet is a two-rowed, hooded, white-seeded cultivar of the 'Horsford' barley that is similar in agronomic characteristics to Betzes (1) barley.

Haybet was higher in hay yield than Horsford in 14 dryland irrigated areas in the Pacific Northwest and central Plains. Breeder and foundation seed of Haybet is available from the Foundation Seed Stocks Program, Plant and Soil Sciences Department, Montana Agricultural Experiment Station, Montana State University, Bozeman. [The USDA has no seed for distribution.]


References and Notes


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