REGISTRATION OF CROP CULTIVARS

REGISTRATION OF '526' ALFALFA

'526' alfalfa (Medicago saliva L.) (Reg. no. 150) (PI 510690) was developed by Pioneer Hi-Bred International, Inc., and tested experimentally as 76E-1. The cultivar was released 13 Feb. 1981.

'526' is a 21-clone synthetic with parental clones selected for forage yield (based on progeny testing), seed yield, resistance to bacterial wilt [caused by Corynebacterium insidiosum (McCull.) H. L. Jens.], and biotypes of the spotted alfalfa aphid [Therioaphis maculata (Buckton)] found in Fresno County, CA. Germplasm sources (1) of '526' include approximately 8% M. falcata, 15% 'Ladak', 50% M. varia, 13% Turkistan, 10% Flemish, and 4% Chilean, tracing back more currently through '520', 'ATRA55', 'Vernal', 'Narragansett', 'Culver', and 'Iroquois'.

Fall dormancy of '526' is similar to that of Vernal. '526' has high resistance to bacterial wilt and spotted alfalfa aphid; resistance to the pea aphid [Acyrthosiphon pisum (Harris)], Fusicystis wilt [caused by Fusarium oxysporum Schlect. f. sp. medicaginis (Weimer) Snyd and Hans.]; low resistance to Phytophthora root rot (caused by Phytophthora megasperma Drechs. f. sp. medicaginis Kuan and Erwin); and yellowing caused by the potato leafhopper [Empoasca fabae (Harris)].

'526' has been tested for forage yield throughout the northern, central, and southeastern regions of the USA, and is intended to be used for hay, haylage, dehydration, and greenchop production in these general areas. Flower color is approximately 89% purple, 11% variegated, and a trace of yellow.

One generation each of breeder, foundation, and certified seed classes is recognized. A maximum of 3 and 5 harvest yr is permitted on stands producing foundation and certified seed, respectively. Seed produced from certified is not recognized as '526'. No restriction is placed on areas of production of foundation or certified seed. '526' was favorably reviewed in 1981 by the National Certified Alfalfa Variety Review Board. The cultivar is not covered by plant variety protection.

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REGISTRATION OF '532' ALFALFA

'532' alfalfa (Medicago saliva L.) (Reg. no. 151) (PI 510691) was developed by Pioneer Hi-Bred International, Inc., and tested experimentally as 75Y-1. The cultivar was released 24 May 1979.

'532' is a nine-clone synthetic with parental clones selected for forage yield (based on progeny testing), seed yield, and compared with conventional hybridization, while making the process less time-consuming, is, however, no increase in percentage derived from modification of the relative humidity of the environment surrounding the female. 

References


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