Registration of ‘5373’ Alfalfa

‘5373’ ALFALFA (Medicago sativa L.) (Reg. no. CV-182, PI540449) was developed by Pioneer Hi-Bred International, Inc. and tested experimentally as XAM73 and YAM73. The cultivar was released 13 Feb. 1990.


5373 is a winterhardy variety with fall dormancy similar to that of ‘Saranac’. The cultivar has high resistance to anthracnose (Race 1), bacterial wilt, fusarium wilt [caused by Fusarium oxysporum Schlechtend.: Fr. f.sp. medicaginis (J. L. Weimer) W. E. Snyder and H. N. Hans.], and pea aphid [Acrystosiphon pisum (Harris)]; resistance to verticillium wilt and spotted alfalfa aphid [Theroaphis maculata (Buckton)]; moderate resistance to phytophthora root rot (caused by Phytophthora medicaginis E. M. Hans. & Maxwell), resistance to aphanomyces root rot (caused by Aphanomyces euteiches Drechs).

5373 has been tested for forage yield throughout the northern regions of the USA. Flower color in the Syn 2 generation is approximately 94% purple, 6% variegated and yellow, cream, and white.

Seed increase is limited by one, two, and one generation of breeder, foundation, and certified seed classes. 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 5373. 5373 was favorably reviewed in 1988 by the National Alfalfa Variety Review Board. US Plant Variety Protection Certificate (no. 9000152) was issued for 5373 on 29 June 1990.


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References and Notes

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