Registration of 'Victory' Alfalfa

'Victory' alfalfa (Medicago sativa L.) (Reg. no. CV-188, PI 584990) was developed by the Cornell University Agricultural Experiment Station, New York State College of Agriculture and Life Sciences, Cornell University, Ithaca, NY. This cultivar was released in 1988. The experimental designation was NY 8412.

Victory has 50% each of 'Mohawk' (1) and 'Oneida VR' (2) parentage. Victory is a 106-clone synthetic cultivar developed by selecting plants from Mohawk for resistance to anthracnose (Race 1), caused by Colletotrichum trifoliol (Bain & Essary), and crossing them with Oneida VR. Progenies were sequentially selected within the same generation for resistances to both anthracnose (Race 1) and verticillium wilt, caused by Verticillium albo-atrum Reinke & Berthier, under controlled environmental conditions. Selected plants were pollinated by honeybees (Apis mellifera L.) in an indoor cage at Cornell University. Contributions of germplasm sources to this cultivar are 25% Flemish, 60% variegated [Medicago sativa L. nothosubsp. varia (Martyn) Arcang.], 12% falcate [M. sativa L. subsp. falcata (L.) Arcang.], and 3% 'Ladak'.

Victory is similar to 'Ranger' in fall dormancy. It has high resistance to anthracnose (Race 1); fusarium wilt, caused by Fusarium oxysporum Schlechtend.:Fr. f. sp. medicaginis (J.L. Weimer) W.C. Snyder & H.N. Hans.; and bacterial wilt, caused by Clavibacter michiganense subsp. insidiosum (McCulloch) Davis et al., 1984. It has resistance to verticillium wilt and moderate resistance to phytophthora root rot, caused by Phytophthora medicaginis (Drechs.) E.M. Hans. & Maxwell. It is susceptible to spotted alfalfa aphid [Therioaphis maculata (Buckton)]. It has not been tested for resistances to root-knot nematode [Ditylenchus dipsaci (Kühn) Filipjev], pea aphid [Acyrthosiphon pisum (Harris)], and blue alfalfa aphid (A. kondoi Shinji). Flower color is 75% purple and 25% variegated, with a trace of yellow, white, and cream.

Victory is adapted to and intended for use in the northern USA for hay, greenchop, and dehydration.

Breeder seed (Syn. 2) was produced under cage isolation in Idaho in sufficient quantity to last the life of the cultivar. Seed increase is limited to Syn. 2 generation for breeder, Syn. 2 and 3 for foundation, and Syn. 3 and 4 for certified classes. A maximum of three harvest years is permitted for fields producing foundation seed and five years for certified seed, unless by consent of the breeder. Foundation seed is produced by the New York Seed Improvement Project in the northern area of alfalfa adaptation. Victory was reviewed favorably by the National Alfalfa Variety Review Board in 1990. Application was not submitted for U.S. plant variety protection.

D. R. Viands,* J. L. Hansen, and C. C. Lowe (3)

References and Notes