REGISTRATION OF 'ONEIDA' ALFALFA

ONEIDA alfalfa (Medicago sativa L.) (Reg. no. 159) (PI 524966) was developed by the Cornell University Agricultural Experiment Station, New York State College of Agriculture and Life Sciences, Cornell University, Ithaca, NY and released in 1980. The experimental designation was Iroquois PR Synthetic I.

Parent plants of Oneida were selected from Phytophthora root rot [caused by Phytophthora megasperma (Drechs.) f. sp. medicaginis Kuan & Erwin] screening tests in the greenhouse and/or growth chamber to produce breeder seed. A maximum of 3 and 6 harvest years is permitted in fields producing foundation and breeder seed. A maximum of 3

Oneida is similar to Iroquois and 'Vernal' in fall dormancy. It has high resistance to Phytophthora root rot, resistance to bacterial wilt and Fusarium wilt [caused by Fusarium oxysporum Schl. f. sp. medicaginis (Weimer) Snyd. and Hans.], and susceptibility to anthracnose [caused by Colletotrichum trifolii (Bain.) and Verticillium wilt [caused by Verticillium albo-atrum Reinke and Berth.]. It was not tested for reaction to pea aphid [Acrithosiphon pisum (Harris)], spotted aphid [Theroaphis maculata (Buckton)] or stem nematode [Ditylenchus dipsaci (Kühn)] but is expected to be susceptible.

Seed increase is on a limited generation basis with one generation each of the breeder, foundation, and certified seed classes. Certified seed may be produced only in fields producing foundation and breeder seed. A maximum of 3 and 6 harvest years is permitted in fields producing foundation and certified seed, respectively. Foundation seed is produced by the New York Seed Improvement Cooperative, Inc. in the northern area of adaptation for alfalfa.

Mohawk was reviewed favorably by the National Certified Alfalfa Variety Review Board in December 1980. A certificate of Protection no. 8500078 from the USDA Plant Variety Protection Office was granted on 30 Sept. 1986.

R. P. Murphy* C. C. Lowe, and D. E. Berth

References and Notes

2. Pioneer Hi-Bred Int., Inc., P.O. Box 287, Johnston, IA 50131. Registration by CSSA. Accepted 30 Aug. 1988. *Corresponding author.