PI 515953-continued

origin: Iran. **local name:** Ahwazi. **collected:** 1969. **collector:** W.J. Kaiser. **locality:** Southwest, near Dezful. **elevation:** 50m. **remarks:** Plant upright. Seeds used as a spice. Cultivated. Seed.

PI 515954. Medicago sativa L. FABACEAE Alfalfa

Donated by: Barnes, D.K., USDA-ARS, Dept. of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota, United States. **remarks:** Cooperative investigations between USDA-ARS and the Minnesota Agriculture Experiment Station. Received February 10, 1988.

donor id: MNUCXSW. **origin:** United States. **cultivar:** NITRO. **pedigree:** Synthetic of estimated 5% Chilean, 5% Peruvian, 35% Indian, and 55% African. **other id:** MN5887. **other id:** CV-153. **source:** Crop Sci. 28(4):0718. **group:** CSR-ALFALFA. **remarks:** Nonwinterhardy, special purpose type for 1-year hay and fall green manure crop. Selected for specialized nitrogen accumulation attributes. Yield of fixed N from fall plow- down high. Susceptible to anthracnose, bacterial and verticillium wilts, and blue alfalfa aphid. Fall leaf disease resistance in the upper midwest improved compared to most other non-dormant types. **disease resistance:** Phytophthora root rot, high to Fusarium wilt. **insect resistance:** Oklahoma biotypes of spotted alfalfa aphid. High to pea aphid. Cultivar. Seed.

PI 515955 to 515958. Medicago sativa L. FABACEAE Alfalfa

Donated by: Barnes, D.K., USDA-ARS, Dept. of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota, United States. **remarks:** Cooperative investigations between USDA-ARS and the Minnesota Agriculture Experiment Station. Received February 10, 1988.

PI 515955 **donor id:** MN NN-1008. **origin:** United States. **pedigree:** Selection from germplasm pool MN NC. **other id:** GP-203. **source:** Crop Sci. 28(4):0721. **group:** CSR-ALFALFA. **remarks:** Non-nodulating type for use as a control and research on nodule development. Non-nodulation trait conditioned by the genes nn1 and nn2. Breeding Material. Seed.