Registration of Crop Varieties

AMENDMENT TO REGISTRATION OF '525' ALFALFA
(Reg. No. 15)

Jonas W. Miller and H. L. Carnahan

The procedure for producing seed classes for alfalfa variety '525' henceforth is as follows: The parental clones are maintained by Arnold-Thomas Seed Service in California. Breeder seed is produced from vegetative cuttings of the 22 parent clones randomized in a crossing cage or an isolated field. The seed from the cage or field is mass harvested; foundation seed is the first generation grown in the northern area of adaptation from breeder seed; and authentic certified seed of this variety will be that produced from breeder seed or foundation seed. The variety name 525 is restricted to seed produced as described herein.

1 Registered by the Crop Science Society of America. Received for publication Nov. 7, 1966.
2 Arnold-Thomas Seed Service, c/o Pioneer Hi-Bred Corn Co., Johnston, Iowa, and P. O. Box 2345, Fresno, Calif., respectively.

REGISTRATION OF YUCHI ARROWLEAF CLOVER
(Reg. No. 5)

Carl S. Hoveland

'Yuchi' arrowleaf clover (Trifolium vesiculosum Savi) was released in 1964 by the Auburn University Agricultural Experiment Station. This variety is a seed increase of P.I. 233,816 originally introduced from Italy in 1956.

Yuchi is a reseeding winter annual clover useful for extending the spring grazing season in certain areas of the southeastern United States. It has made more winter growth, greater total production, remained leafy later in spring, 2 weeks later than the 'Amclo' variety of arrow clover. Season yields of this variety under frequent grazing generally equaled or exceeded those of crimson clover, but only one time in the hay stage, Yuchi yields about two to three times those of crimson clover. Winter forage of this variety is lower than that of crimson clover. However, in the spring it continues to grow fleur than crimson and 1 month longer than ball clover. It is not adapted on alkaline soils or under poor drainage conditions.

Hard seed content of combine harvested seed may exceed 80%. Seed germination of Yuchi is better at low temperatures and poorer at high temperatures than that of crimson clover. Foundation seed is maintained by the Auburn University Agricultural Experiment Station.


REGISTRATION OF WILTON ROSE CLOVER
(Reg. No. 6)

Burt Ray

'Wilton' rose clover (Trifolium hirtum All.) was released by the California Experiment Station in 1948. The original seed, obtained from the U. S. Department of Agriculture in 1944, came from the Soil Conservation Service nursery at Chapel Hill, North Carolina.

This variety is a reseeding winter annual clover useful for extending the spring grazing season in certain areas of the southeastern United States. It has made more winter growth, greater total production, remained leafy later in spring than the 'Amclo' variety of arrow clover. Season yields of this variety under frequent grazing generally equaled or exceeded those of crimson clover, but only one time in the hay stage, Yuchi yields about two to three times those of crimson clover. Winter forage of this variety is lower than that of crimson clover. However, in the spring it continues to grow faster than crimson and 1 month longer than ball clover. It is not adapted on alkaline soils or under poor drainage conditions.

Hard seed content of combine harvested seed may exceed 80%. Seed germination of Yuchi is better at low temperatures and poorer at high temperatures than that of crimson clover. Foundation seed is maintained by the Auburn University Agricultural Experiment Station.

1 Registered by the Crops Science Society of America. Received for publication Oct. 24, 1966.
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