REGISTRATION OF CROP CULTIVARS

duced only on fields established with breeder or foundation seed. No other class or generation is recognized as Agate. Some certified seed will be available in the spring of 1974.

Agate was favorably reviewed by the National Certified Alfalfa Variety Review Board at its December 1972 meeting.

REGISTRATION OF RAMSEY ALFALFA¹
(Reg. No. 63)

L. J. Elling, F. I. Froheiser, D. K. Barnes, and R. D. Wilcoxson²

'Ramsey' alfalfa (Medicago sativa L.) was developed by the Minnesota Agricultural Experiment Station and the Agricultural Research Service, USDA. It was released jointly with the Iowa, Michigan, and Missouri Agricultural Experiment Stations on March 15, 1978. It was tested experimentally as Minn. Syn. N.

Ramsey is a four-clonal synthetic. Two parental clones trace to 'Ladak.' One clone was selected from a cross between clones C-10 × Ind. 73 and one clone, C-318 (= Pa. 53-19), was selected at the U. S. Regional Pasture Research Laboratory, University Park, Pennsylvania.

Ramsey is a winter-hardy, multiple pest resistant cultivar. It is similar in adaptation to 'Vernal.' Ramsey has higher levels of resistance to common leafspot, spring blackstem, downy mildew, Lepidiothorpha root rot, potato leafhopper yellowing, and lodging than Vernal. The levels of bacterial wilt resistance are similar in Ramsey and Vernal. Based on 32 test years in Minnesota, yields of Ramsey were equal to those of Vernal, 'Iroquois,' and 'Saranac' during years when winter injury and diseases were not a problem. However, during periods of stress and in long-term stands, yields of Ramsey were superior to those of other cultivars.

Breeder seed (Syn. 2) was produced at Lambert, Minnesota, from a field of 10,000 plants representing equal numbers of plants from the six possible single crosses made among the four parent clones. Reserve breeder seed will be maintained by the Minnesota Agricultural Experiment Station. The region of adaptation for seed production is the northern alfalfa region as defined by the national Alfalfa Improvement Conference. Seed classes will be breeder, foundation, and certified. Certified seed may be produced on fields established with breeder or foundation seed. Certified seed should be available for planting in 1976.

Ramsey was favorably reviewed by the National Certified Alfalfa Variety Review Board at its December 1972 meeting.

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