

PI 542967 to 542968-continued

PI 542967 **origin:** United States. **origin institute:** Wisconsin Agr. Exp. Sta., University of Wisconsin, Agronomy Dept., Madison, Wisconsin 53706. **cultivar:** W2Xiso-1. **other id:** GP-239. **group:** CSR-ALFALFA. **remarks:** Developed for comparative research on diploids and tetraploids. Two-cut alfalfa in Wisconsin. Lower in herbage yield and less tolerant of stress than W4Xiso-1. May be due to lower vigor and higher frequency of homozygous recessive genotypes segregating in the 2Xiso-1 population. Some CADL parents were heterozygous for certain qualitative traits. One tetraploid from union of 2n egg and 2n pollen. Not. Breeding Material. Seed.

PI 542968 **origin:** United States. **origin institute:** Wisconsin Agr. Exp. Sta., University of Wisconsin, Agronomy Dept., Madison, Wisconsin 53706. **cultivar:** W4Xiso-1. **other id:** GP-240. **group:** CSR-ALFALFA. **remarks:** Developed for comparative research on diploids and tetraploids. Three cut alfalfa in Wisconsin. Some CADL parents were heterozygous for certain qualitative traits and the generation of 2Xiso-1 used for seed increase segregated for the following traits in 100 plant sample: cream flowers (2%), white flowers (1%), male sterile (2%), 2n pollen (2%), and dark brown seed (1%). One tetraploid from union of 2n. Breeding Material. Seed.

PI 542969 to 542970. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Caviness, C.E., Arkansas Agr. Exp. Sta., University of Arkansas, Agronomy Dept., Fayetteville, Arkansas, United States. **remarks:** Soybean Germplasm Lines, R 85-395 & R 88-1259. Received August 01, 1990.

PI 542969 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., University of Arkansas, Agronomy Dept., Fayetteville, Arkansas 72701. **cultivar:** R 85-395. **pedigree:** F5 selection from R74-334/Centennial/2/R74-1438/Braxton. **other id:** GP-122. **group:** CSR-SOYBEAN. **remarks:** Released to provide germplasm for study of leaflet traits and for use to modify canopy architecture. Maturity early, Group VI and yields similar to commercial cultivars of this maturity. Leaves predominately quinafoliolate, ovate. Growth habit determinant. Flowers purple. Pubescence tawny. Seed yellow with black hila. Spring Annual. Breeding Material. Seed.