

PI 572234-continued

origin: United States. **cultivar:** CRYSTAL. **pedigree:** Tettnanger x Tetrapl.Hallertau mf x(Cascade x USDA 56009-64045M). **other id:** USDA Acc. No. 21490. **remarks:** Maturity medium-late, high-yielding aroma variety with aroma and quality characteristics similar to imported European hops. Female, triploid, naturally seedless with 3-5% alpha- and 4-6% beta acids and a cohumulone content of 19-23%. Adapted to major hop growing areas of Oregon and Washington but has performed poorly in the semi-arid Boise valley. Moderately resistant to hop downy mildew, resistant to verticillium wilt and free of all major hop viruses. Perennial. Cultivar. Rhizome.

PI 572235. X Triticosecale sp. POACEAE Triticale

Donated by: Porter, D.R., Agricultural Research Service -- USDA, 1301 N. Western St., Stillwater, Oklahoma 74075, United States; and Oklahoma Agr. Exp. Sta.. **remarks:** Gaucho Triticale. Received January 27, 1994.

origin: United States. **developed:** E.E. Sebesta, E.A. Wood, Jr., D.R. Porter, J.A. Webster, E.L. Smith. **origin institute:** Agricultural Research Service -- USDA, 1301 N. Western St., Stillwater, Oklahoma 74075 United States. **cultivar:** GAUCHO. **pedigree:** Insave F.A. / Chinese Spring. **other id:** CI 15323. **other id:** GP-14. **group:** CSR-TRITICALE. **restricted:** CSR. **remarks:** Greenbug (*Schizaphis graminum*) biotype C resistant octoploid. Developed by crossing a greenbug-resistant strain of Insave F.A. rye (*Secale cereale*) with susceptible Chinese Spring wheat (*Triticum aestivum*). The chromosomes were doubled using colchicine to produce the amphiploid (octoploid triticales, $2n=8x=56$). Genetic analysis of Insave F.A. indicate greenbug resistance is controlled by a single dominant gene. Formed by bulking seed from several of the first generation primary triticales. Winter Annual. Breeding Material. Seed.

PI 572236. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Fehr, W.R., Iowa Agr. and Home Econ. Exp. Sta., Iowa State University, Agronomy Dept., Ames, Iowa 50011, United States; and Puerto Rico Agr. Exp. Sta.. Received June 29, 1993.