

PI 564281-continued

origin: United States. **developed:** E.E. Hartwig, L.D. Young. **origin institute:** Agricultural Research Service -- USDA, Delta Branch Station, Soybean Production Research, Stoneville, Mississippi 38776 United States. **cultivar:** J81-116. **pedigree:** F5 sel. from Bedford X (J74-77 X J74-88). **other id:** GP-54. **source:** Crop Sci. 25(1):209 1985. **group:** CSR-SOYBEAN. **remarks:** Maturity Group 5, averaging 4 days earlier in maturity than Forrest. Plants indeterminate. Pubescence tawny. Pods brown. Flowers white. Seeds yellow with black hila. Resistance to shattering is moderate. Plants resistant to foliar disease bacterial pustule (BP) (*Xanthomonas phaseoli*). Seed yield averaged 90% of that for Forest in the absence of SCN. Breeding Material. Seed.

PI 564282. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

Donated by: Martin, T.J., Kansas State University, Fort Hays Branch Agr. Exp. Sta., 1232 - 240th Ave., Hays, Kansas 67601, United States; and Agricultural Research Service -- USDA. **remarks:** KS84HW196 Wheat Germplasm. Received December 04, 1992.

origin: United States. **developed:** T.J. Martin, R.G. Sears, R.K. Bequette, M.D. Shogren, L.C. Bolte, J.R. Lawless, M.D. Witt. **origin institute:** Kansas Agr. Exp. Sta., Fort Hays Branch, 1232 - 240th Ave., Hays, Kansas 67601 United States. **origin institute id:** KS84HW196. **pedigree:** Bison/Sterling//3*Scout/3/Eagle/4/Pinnacle/2*Eagle. **other id:** GP-358. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Hard white winter wheat. Plant awned, white-glumed, semi-dwarf. Slightly shorter than Newton or TAM107. Coleoptile length equal to standard height cultivar Eagle. Early maturing, equal to TAM107. Winter-hardiness equal to Scout. Disease and insect reactions same as Scout. Resistant to stem rust (*Puccinia graminis*). Susceptible to leaf rust (*P. recondita*), soilborne mosaic virus, wheat streak mosaic virus and Hessian fly, *Mayetiola destructor*. Winter Annual. Breeding Material. Seed.

PI 564283 to 564430. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

Donated by: Stoyanov, Ivan, Institute for Wheat and Sunflower, Dubroudja, Tolbukhin 9300, Bulgaria. Received October 01, 1991.

PI 564283 **origin:** Bulgaria. **origin institute:** Institute for Wheat & Sunflower, Dobroudja, Tolbukhin Bulgaria. **origin institute id:** 100-10. Breeding Material. Seed.