

PI 578254. *Medicago sativa* ssp. *falcata* (L.) Arcang.

Breeding. C-31; W6 15095. GP-279. Pedigree - All available plant introductions from the yellow- & purple- flowered complex were sel. for improved plant vigor & yellow flowers for 3 cycles. 10 yrs. after estab., seed pods with 1 or more coils were coll. throughout the nursery & composited. Traces to 105 accessions of the yellow- and purple-flowered complex. The yellow-flowered plants were permitted to interpollinate after the purple-and variegated-flowered plants were rogued. A composite seed lot from the yellow- flowered plants was evaluated for persistence in the 300mm precipitation zone of the central Great Plains. Persistence was excellent following 10 years of evaluation. Most plants had yellow flowers but a few had variegated flowers. Seed weight 1.84 g/1000 seeds.

The following were developed by Milton E. McDaniel, Texas A&M University, Dept. of Soil & Crops Sciences, College Station, Texas 77843, United States; E. C. Gilmore, Texas A & M University, Agr. Res. and Extension Centers, P.O. Box 1658, Vernon, Texas 76384, United States; K.B. Porter, Texas Agr. Exp. Sta., Texas A&M University, P.O. Drawer O, Bushland, Texas, United States; W.D. Worrall, Texas A&M University Agric. Res. & Ext. Ctr., P.O. Box 1658, Vernon, Texas 76385, United States. Received 04/04/1994.

PI 578255. *Triticum aestivum* L., nom. cons.

Cultivar. Pureline. "TAM-200". CV-806. Pedigree - (391-56-D8/TASCOSA//CENTURK)*3/AMIGO. Semidwarf, awned, white chaffed, hard red winter wheat. Yields and test weights higher than standard check cultivars over a wide range of environments. Resistant to biotype C of greenbug (*Schizaphis graminum*), wheat curl mite (*Eriophyes tulipae*), powdery mildew (*Erysiphe graminis*) and stem rust (*Puccinia graminis*). Moderately resistant to leaf rust (*Puccinia recondita*).

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PI 578256. *Triticum aestivum* L., nom. cons.

Cultivar. Pureline. "TAM-201". CV-807. Pedigree - (TAMW-101/CENTURK)*3/AMIGO. Semidwarf, awned, white chaffed, hard red winter wheat. Maturity early. Productive. Two year average grain yield 3767kg/ha compared to 3295kg/ha for Scout 66 and 3777kg/ha for TAM-105. Resistant to stem rust (*Puccinia graminis*). Growth habit semi-upright during vegetative stage making it more susceptible to winter injury. Insensitive to photoperiod. Mixed for resistance to powdery mildew (*Erysiphe graminis*).

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