

**PI 595370. *Zea mays* L. ssp. *mays***

Breeding. Population. NS(B)RF(8); Nebraska Stiff Stalk Synthetic. Developed in United States. Pedigree - Improved version of Iowa Stiff Stalk Synthetic originally synthesized by G. F. Sprague. Corn-belt dent population released based on potential for producing full season maize inbred lines with good yield and standability. Population is result of eight cycles of recurrent selection in replicated recurrent selection program initiated by Dr. W. A. Compton in 1969. Composite of three replicates. Improved by reciprocal full-sib selection based on index of yield, upright plants, and plants without dropped ears. Opposing population in recurrent selection program was NB(S)RF. Intermediate in height, prolific, and ears with yellow grain on primarily red cobs.

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**PI 595372. *Zea mays* L. ssp. *mays***

Breeding. Population. ALAQUAT. Developed in United States. Pedigree - Broad based synthetic containing germplasm from "Alaska to the Equator". Population sent to Dr. Compton by Dr. Lonquist while at CIMMYT. Yield potential relatively good, plants above average stalk quality compared to other exotic materials. Grain vitreous, exceptional quality; possibilities may exist for utilization of material in production of food grade genotypes. Plant and ear heights tall but not extreme. Colored and colorless cobs found in population as well as variety of endosperm and aleurone pigmentation types. Average maturity 115 days. Undergone 18 cycles of mass selection for adaptation. Adaptive traits include flowering date, plant height, and plant health.

**PI 595373. *Zea mays* L. ssp. *mays***

Breeding. Population. CB\*RUMANIAN. Developed in United States. Pedigree - Synthesized by intermating 12 U.S. inbred lines and 5 Romanian populations. Inbred lines included B41, H49, H90, N21, H28, N102, N117, N122, N136, N140, N147, and an unreleased Nebraska Stiff Stalk line 703026-3-2. Populations included ICAR-54 Dent, Romanese DE Studina Flint, Cincantin, Local Craciunel, and Local Cluj. Good yield, ears generally of corn-belt dent phenotype. Plant and ear heights consistent with corn-belt populations. Stalk quality excellent to fair. Cob predominantly red. Average maturity 114 days. Rapid dry-down characteristic in population. Undergone 17 cycles of mass selection for adaptation. Adaptive traits include flowering date, plant height, and plant health.

**PI 595374. *Zea mays* L. ssp. *mays***

Breeding. Population. KRUG\*TABLANCILLO. Developed in United States. Pedigree - Synthesized by intermating Krug variety with different