

tolerance to post-emergence freeze. Yellow dent inbred with a red cob. Developed from a synthetic undergoing recurrent full-sib selection for tolerance to sub-optimal temperatures using growth chamber evaluations. Populations also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. S2 progenitor exhibited 100 percent germination in growth chamber under sub-optimal temperatures. Adapted to central and southern Nebraska.

**PI 594091. *Zea mays* L. ssp. *mays***

Breeding. Inbred. N545. PL-280. Pedigree - Inbred from Nebraska S synthetic following multiple cycles of recurrent selection to sub-optimal temperatures using growth chamber evaluations and seedling tolerance to post-emergence freeze. Yellow dent inbred with a red cob. Developed from a synthetic undergoing recurrent full-sib selection for tolerance to sub-optimal temperatures using growth chamber evaluations. Populations also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. S2 progenitor exhibited 100 percent germination in growth chamber under sub-optimal temperatures. Adapted to central and southern Nebraska.

The following were donated by National Clonal Germplasm Repository, W.R. Poage Pecan Field Station, 701 Woodson Road, Brownwood, Texas 76801, United States. Received 08/29/1984.

**PI 594092. *Malus micromalus* Makino**

Uncertain. GMAL 273.

**PI 594093. *Malus micromalus* Makino**

Uncertain. GMAL 275.

The following were donated by Bruce J. Parlman, USDA, ARS, Natl. Germplasm Resources Laboratory, Building 465, BARC-East, Beltsville, Maryland 20705-2350, United States; Hortus Botanicus Nationalis, Laboratorium Dendroflorae, Salaspils, Latvia. Received 06/19/1984.

**PI 594094. *Malus sieboldii* (Regel) Rehder**

Uncertain. GMAL 365.

The following were donated by USDA, ARS, U.S. National Arboretum, National Germplasm Repository, Washington, District of Columbia 20002, United States. Received 01/16/1986.

**PI 594095. *Malus orientalis* Uglitzk.**

Wild. GMAL 1461. Collected 1985 in Unknown. USSR. Pedigree - Wild.

The following were donated by National Clonal Germplasm Repository, W.R. Poage Pecan Field Station, 701 Woodson Road, Brownwood, Texas 76801, United States. Received 03/07/1986.