

growth chamber evaluations. Adapted to central and southern Nebraska.

**PI 594082. *Zea mays* L. *ssp. mays***

Breeding. Inbred. N536. PL-271. 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.

**PI 594083. *Zea mays* L. *ssp. mays***

Breeding. Inbred. N537. PL-272. 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.

**PI 594084. *Zea mays* L. *ssp. mays***

Breeding. Inbred. N538. PL-273. 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.

**PI 594085. *Zea mays* L. *ssp. mays***

Breeding. Inbred. N539. PL-274. 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.

**PI 594086. *Zea mays* L. *ssp. mays***