

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. Population also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. Developed from a surviving plant following third freeze event. Adapted to central and southern Nebraska.

PI 594071. *Zea mays* L. *ssp. mays*

Breeding. Inbred. N523. PL-260. 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. Population also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. Developed from a surviving plant following third freeze event. Adapted to central and southern Nebraska.

PI 594072. *Zea mays* L. *ssp. mays*

Breeding. Inbred. N524. PL-261. 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. Population also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. Developed from a surviving plant following third freeze event. Adapted to central and southern Nebraska.

PI 594073. *Zea mays* L. *ssp. mays*

Breeding. Inbred. N525. PL-262. 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. Population also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. Developed from a surviving plant following third freeze event. Adapted to central and southern Nebraska.

PI 594074. *Zea mays* L. *ssp. mays*

Breeding. Inbred. N526. PL-263. 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. Population also subjected to selection of surviving seedlings following exposure to post-emergence freezes in field nursery in three separate cycles of selection. Developed from a surviving plant following third freeze event. Adapted to central and southern Nebraska.