

PI 533661 to 533663. *Zea mays* L. POACEAE Corn

**Donated by:** Wicks, III, Z.W., Plant Science Dept., South Dakota State University, Brookings, South Dakota, United States. **remarks:** Developed by the Agricultural Experiment Station, South Dakota State University and released in March, 1987. Received June 30, 1989.

- \* PI 533661 *Zea mays* L. subsp. *mays* POACEAE Maize  
**origin:** United States. **cultivar:** SD45. **pedigree:** SDp232/H96 selfed for 7 generations. **other id:** PL-133.  
**group:** CSR-MAIZE. **remarks:** Parental line with good combining ability, yield and low moisture content. Maturity AES400. Plants 198cm tall, dark green. Tassels medium. Cobs red with 14 medium-size kernel rows. Vigor, stalk and root strength good. Average ear fill. Moisture content about 20% 60 days after pollination. Combines well with A632. Suitable for central and southern South Dakota. **disease resistance:** Northern corn leaf blight (*Exserohilum turcicum*). Diplodia stalk rot (*Diplodia maydis*). Annual. Breeding Material. Seed.
  
- \* PI 533662 *Zea mays* L. subsp. *mays* POACEAE Maize  
**origin:** United States. **cultivar:** SD47. **pedigree:** SDp309/SD30 selfed for 7 generations. **other id:** PL-134.  
**group:** CSR-MAIZE. **remarks:** Parental line with good combining ability, yield and low moisture content. Maturity AES400. Plants 180cm tall, dark green. Cobs red with 16 to 18 medium-sized kernel rows. Vigor, ear fill, husk looseness and root strength good. Moisture content 20% 60 days after pollination. Suitable for central and southern South Dakota. **disease resistance:** Northern corn leaf blight (*Exserohilum turcicum*). Diplodia stalk rot (*Diplodia maydis*). Annual. Breeding Material. Seed.
  
- \* PI 533663 *Zea mays* L. subsp. *mays* POACEAE Maize  
**origin:** United States. **cultivar:** SD48. **pedigree:** Pioneer hybrid 3710 selfed for 7 generations. **other id:** PL-135. **group:** CSR-MAIZE. **remarks:** Parental line with good combining ability, yield and low moisture content. Maturity AES400. Plants 180cm tall, dark green. Cobs red with 14 to 16 medium-sized kernel rows. Stalk strength and stay green excellent. Vigor, ear fill, root strength, and husk looseness good. Moisture content about 20% 60 days after pollination. Suitable for central, and southern South Dakota. **disease resistance:** Northern corn leaf blight (*Exserohilum turcicum*). Diplodia stalk rot (*Diplodia maydis*). Annual. Breeding Material. Seed.