Anthesis early August in eastern SD. Seed weight approx. 200 mg 100 seed-1. Annual forage production 4000 to greater than 9000 kg ha-1 over wide range of environments in northern Great Plains. Total nitrogen in herbage prior to heading approx. 2% and at soft dough less than 1%.

The following were developed by Arvid Boe, South Dakota State University, Plant Science Department, 226 Agricultural Hall, Brookings, South Dakota 57007, United States; R. Bortnem, South Dakota State Univ., Dept. Plant Sciences, Brookings, South Dakota 57007, United States. Donated by Arvid Boe, South Dakota State University, Plant Science Department, 226 Agricultural Hall, Brookings, South Dakota 57007, United States. Received 06/19/1997.

PI 598137. Dalea leporina (Aiton) Bullock
Cultivar. Population. "SUNDANCE"; NSSL 351140. CV-154. Pedigree - Bulked seed from native stand in southeastern South Dakota (Union Co.). Seed received in 1997 was Syn 2. Growth habit erect, 0.5-1.0 m. Leaves alternate, pinnately compound. Seed weight approx. 300 mg 100 seed-1, produced in erect spikes 2-10 cm in length. Flowers Aug.-Sept. The in vitro digestible dry matter and crude protein concentrations in late Aug. approx 500 g kg-1 and 140 g kg-1 respectively.

The following were developed by Arvid Boe, South Dakota State University, Plant Science Department, 226 Agricultural Hall, Brookings, South Dakota 57007, United States; K. Fluharty, South Dakota State Univ., Dept. Plant Science, Brookings, South Dakota 57007, United States. Received 06/19/1997.

PI 598138. Astragalus canadensis L.
Cultivar. Population. "SUNRISE". CV-153. Pedigree - Bulked seed from 75 plant nursery established from seed collected from native stand in Brookings Co., SD. Growth habit erect, height at full bloom exceeds 1 m. Flowers June, full bloom by early July. Highly resistant to potato leaf hopper yellowing. Highly susceptible to seed predation by Acanthoscelides perforatus. The in vitro digestible dry matter exceeds 650 g kg-1 at full bloom, and forage yields can exceed 8000 kg ha-1 at same stage.

The following were developed by Jeff Pedersen, USDA, ARS, University of Nebraska, Department of Agronomy, Lincoln, Nebraska 68583-0937, United States ; J.J. Toy, USDA-ARS, Univ. of Nebraska-Lincoln, Dept. of Agronomy, Lincoln, Nebraska 68583-0937, United States. Received 06/20/1997.

PI 598139. Sorghum bicolor (L.) Moench
Genetic. A3N242; A3 GREENLEAF. GS-1. Pedigree - A3TX430 x GREENLEAF and backcrossing to GREENLEAF 5 times. General agronomic features of Greenleaf. Completely male sterile in all backcross generations.

PI 598140. Sorghum bicolor (L.) Moench
Genetic. A3N243; A3 PIPER SUDANGRASS. GS-2. Pedigree - A2TX430 x PIPER and backcrossing to PIPER 5 times. General agronomic characteristics of Piper. Seed set under selfing bags avg. 1%.