CC178 Revised 1965 Crop Varieties for Nebraska 1965

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Crop Varieties

for

NEBRASKA—1965

- SMALL GRAINS
- SORGHUMS
- SOYBEANS
- LEGUMES
- GRASSES
- CORN
Crop Varieties for Nebraska in 1965

(Listed Alphabetically)

Varieties named are considered to be best available for production in 1965

<table>
<thead>
<tr>
<th>Cropping district</th>
<th>Winter Wheat</th>
<th>Early Oats</th>
<th>Midseason Oats</th>
<th>Spring Barley</th>
<th>Soybeans</th>
<th>Grain Sorghums</th>
<th>Forage Sorghums</th>
<th>Alfalfa</th>
<th>Station County</th>
</tr>
</thead>
<tbody>
<tr>
<td>North-east</td>
<td>Lancer</td>
<td>Omaha</td>
<td>Andrew Burnett</td>
<td>Minhafer Neal Nehawka Santee</td>
<td>Custer Liberty Otis Plains</td>
<td>Adams Ford Harosoy Harosoy 63 Hawkeye Hawkeye 63 Lindarin</td>
<td>RS 608 RS 625</td>
<td>NB 280S Axtell Leoti Norkan Rox RS 301F NB 304F NB 305F</td>
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<td>East Central</td>
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<td>Omaha</td>
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<td>Custer Liberty Otis Plains</td>
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</table>

1 For both irrigated and non-irrigated land. 2 For irrigated land only. 3 For non-irrigated land. 4 Primarily for irrigated land. 5 Good closed pedigree corn.

Extension Service, University of Nebraska College of Agriculture and Home Economics
Clean and Treat All Grain Crop Seeds

Know the Seed You Plant! State Certified Assures Genetic Purity and Quality

For seed source see your County Agent or write Agricultural Extension Service College of Agriculture and Home Economics Lincoln, Nebraska

### CROP AND VARIETY AREA OF STATE ADAPTATION

#### Birdsfoot Trefoil
- **Empire**: Eastern
- **Flox**: West
- **Arny**: West
- **Redwood**: West

#### Lespedeza
- **Iowa 6**: Southeast

#### Rye
- **Balbo**: Southern
- **Elk**: Entire
- **Pierre**: Entire

#### Safflower
- **N 10**: West
- **Gila**: West
- **US 10**: West

#### Spring Wheat
- **Lee**: West & NC
- **Rushmore**: West & NC
- **Selkirk**: West & NC

#### Sudan
- **Piper**: Entire
- **Wheeler**: Entire

#### Vetch
- **Madison**: Entire

#### Winter barley
- **Chase**: SW, SC & SE
- **Dicktoo**: SW, SC & SE
- **Kearney**: SW, SC & SE

**Cool-season grasses**
- **Lincoln bromegrass**
- **Lyon bromegrass**
- **Lancaster bromegrass**
- **Ioreed reed canarygrass**
- **Nebr. 50 intermediate wheatgrass**
- **98526 tall wheatgrass**
- **Nordan crested wheatgrass**
- **Vinal Russian Wildrye**
- **West & North 1/2 of NC**

**Warm-season grasses**
- **Nebr. 27 sand lovegrass**
- **Nebr. 28 switchgrass**
- **Trainway side oats grama—S&E**
- **Butte side oats grama—N&W**
- **Kaw big bluestem—SE**
- **Holt Indiangrass—Sandhills & Adjacent Areas**
- **Pawnee Big Bluestem—Central SC, & SE**
- **Champ Big Bluestem—Central 2/5**

### Zone I dryland and Zone II dryland irrigated

- **Early**
  - Nebr. 501
  - Nebr. 501D
  - Nebr. 502
  - Nebr. 504
  - Nebr. 505W

- **Midseason**
  - Nebr. 705
  - Nebr. 708

- **Full season**
  - AES 803
  - AES 806
  - Nebr. 801W
  - Nebr. 805
  - Nebr. 808

### Zone III dryland

- **Early**
  - Nebr. 301
  - Nebr. 302
  - Nebr. 401
  - Nebr. 403
  - Nebr. 201
  - Nebr. 202

### Zone IV

- **Early**
  - Ia. 4417
  - Ia. 4542

- **Midseason**
  - Nebr. 301
  - Nebr. 302
  - Nebr. 401
  - Nebr. 403

- **Full season**
  - AES 803
  - AES 806
  - Nebr. 705
  - Nebr. 708

- **Commercial hybrids are also available.**
  - Primarily for pasture.
  - South one half only.
  - For late planting.
  - Available for commercial planting in 1966.

omics, Lincoln, and U. S. Department of Agriculture Cooperating, E. W. Janike, Director
WHEAT
Lancer Wheat—A new, winter-hardy, highly productive, Nebraska developed variety with medium height and good straw. Similar to Warrior in earliness of maturity. Had low field infections of stem rust during the 1959-62 period of testing; susceptible to leaf rust, loose smut and bunt. Recommended for field appearance, yield and gluten baking characteristics similar to Warrior and Bison.

Scout Wheat—A new variety developed by the Nebraska Agricultural Experiment Station. Approaches Wichita in earliness, had low field infections of stem rust during the 1959-62 period of testing; has some Hessian fly resistance, considerable tolerance to wheat streak mosaic. Moderately winter-hardy with fair straw strength. Highly productive under a wide range of conditions. A medium-strong gluten variety with baking quality similar to Bison.

Golden Wheat—A new Nebraska developed variety with short stiff straw. Winterhardiness similar to Ponca. Had low field infections of stem and leaf rust during the 1959-62 period of testing. Fairly resistant to soil borne mosaic. Less resistant than Ponca to Hessian fly but better in this respect than Pawnee. In recent tests Gage has out-yielded Ottawa, Omaha and Pawnee. It is a mellow gluten variety with baking quality similar to Omaha and Ottawa.

OATS
Neal Oats—An early maturing, short strawed, lodge resistant variety developed at the Nebraska Agricultural Experiment Station. Resistant to several races of stem rust and adult plant leaf rust. Neal will be tolerant of barley yellow dwarf disease. The grain varies from ivory to buff color and is satisfactory for milling. Highly productive where recommended.

Santee Oats—A short, stiff strawed, early maturing variety developed at the Nebraska Agricultural Experiment Station. Resistant to several races of stem rust. Adult plants partially resistant to leaf rust. Susceptible to barley yellow dwarf. Seed is hard, kernels are large, plump and ivory colored. Yields of high test weight grain equal those of top yielding, later maturing, varieties where recommended.

RYE
Elk Winter Rye—A tall, late maturing, high yielding variety released by the Minnesota Agricultural Experiment Station. Moderately winter-hardy, has a bitter leaf that appears green colored, grain with good test weight. Performs best on the better soils.

SOYBEANS
Harosoy 63, Hawkeye 63, Clark 63—Characteristics of these varieties are essentially the same as their original counterpart except that Phytophthora root rot resistance has been added. This disease has been of little importance in Nebraska but is present, the resistant strains will produce higher yields.

SORGHUM
NB 504 Hybrid Grain Sorghum—This new hybrid is similar to RS 501 in yield and earliness of maturity but plants of NB 504 are 6 to 12 inches shorter and less subject to lodging. The head emerges well and the reddish-brown seed is easily threshed.

NB 505 Hybrid Grain Sorghum—Another new hybrid with yield and maturity similar to RS 501. Plants grow 6 to 12 inches shorter than RS 501 and are less subject to lodging. Heads of NB 505 dry faster than those of NB 504, making earlier harvest possible.

RS 624—Four to 7 inches shorter than RS 610. Thrives readily. The light reddish brown grain resists weathering. Seed size is smaller but the test weight is more than RS 610. Excellent lodging resistance.推荐 as a hybrid of RS 608 and RS 610. RS 624 is a cross between selections of Combine Kaffir 60 and Plainsman-Midland.

RS 625—Similar to RS 608 in appearance, maturity and yield but averaging 1 to 2 inches shorter. Head smut resistance added.

RS 626—Similar to RS 610 in appearance and maturity, slightly better in yield and 1 to 2 inches shorter. Head smut resistance added.

RS 640—Five to 6 inches shorter than RS 610. The reddest kernel blend has dark red color retention. Seed size and test weight are similar to RS 610. Excellent resistance to lodging. Yields as well as RS 681 and the grain threshes more readily. RS 640 is a cross between selections of Wheatland and Plainsman-Midland.

NB 304F—A sweet juicy stalked male-sterile forage sorg- hum suitable for silage or dry feeding. A week earlier and slightly shorter but with a yield potential equal to Atlas. NB 304F can be made to produce grain by mixing 3% Rox Orange in the seed, NB 304F is a cross between a Highland-Atlas selection and Rox Orange as the pollinator.

NB 305F—A sweet juicy stalked male-sterile forage sorg- hum suitable for silage or dry feeding. Similar in height and 2 to 4 days later than Atlas. Under normal conditions produced 1 to 2 more tons per acre. Adding 2% Atlas to planting will insure seed formation if desired. NB 305F is a cross between a selection from Highland-Atlas with white Collier as the pollinator.

CORN
Nebr. 202 Hybrid Corn—Plants are short and uniform with heavy, dark green foliage and low set ears. Stalks are strong and ear retention good. Has an excellent yield record in areas where early maturity is required.

Nebr. 403—Plants are dark green and of uniform, medium height. Many brace roots and strong stalks provide excellent resistance to lodging. Ear placement is intermediate and retention is good. Maturity rating 106-110 days. Excellent in areas of adapted maturity.

Nebr. 703 Hybrid Corn—A new, midseason hybrid with working resistance to northern leaf blight. Plants are of medium height with good stalk quality and excellent ear retention. Yield performance excellent in areas of adaptation.

Nebr. 708—Similar to Nebr. 807 but yields more and is 3-5 days earlier in maturity. Plants are shorter and have greater stalk strength and better ear retention. Has some resistance to northern leaf blight but less than Nebr. 807. Maturity range 116-120 days.

Nebr. 806—Incorporates leaf blight resistance and improved agronomic characteristics in a high yielding variety for areas where later maturing hybrids are acceptable. Intermediate in height, many dark green, semi-erect leaves. Seed shank holds ears erect until mature. Excellent yield record in areas of adaptation. Maturity range 122-126 days.

ALFALFA
Vernal Alfalfa—Vernal is recommended for all of Nebraska except under irrigation and subirrigation in the central and southwestern parts of the state. Vernal is winter-hardy, resistant to bacterial wilt, and produces excellent yields of high quality forage.

SWEET CLOVER
Denta Sweet Clover—A late maturing, vigorous growing, white-flowered variety. Because of its low coumarin content the forage is non-bitter and can be eaten by livestock without danger of “sweet clover bleeding disease.” Forage yields are significantly above common sweet clover. Seed yields satisfactory.

GRAASSES
Holt Indiangrass—Holt is a moderately early maturing warm season grass suitable for production in the Nebraska Sandhills and adjacent areas. It may be grown in either pure stands or mixtures.

Butte Sideoats Grama—Butte is a winterhardy, long-lived, relatively early maturing variety suitable for planting in the northern and western portions of the state. It has excellent seedling vigor and produces good seed crops in areas with short growing seasons.

Trailway Sideoats Grama—Trailway is a late maturing, winterhardy and longlived variety. It is adapted to the northern, central and eastern sections of Nebraska. It requires the entire growing season in these areas for seed production. Trailway should be used for upland plantings.

Pawnee Big Bluestem—Pawnee has long dark-green leaves and tall forked flowering stalks that produce green to purplish seed heads. Forage yields are superior to strains of western and northern origin. Excellent seed yields and quality. 1994 produced seed will be available for 1995 plantings. Suitable for the southern, central, and eastern sections of the state.

Big Bluestem—Seven to 10 days earlier in seed maturity than Pawnee. The leafy plants vary in color from light green to glaucous gray. The stem and heads vary from yellow-green to purplish. Has performed well in forage yield tests. Seed quality and set are superior to common big bluestem. Does well in the eastern two-thirds of the state on sandy and fine textured soils. 1994 produced seed will be available for 1995 plantings.