CC178 Revised 1976 Certified Crop Varieties Suggested for Nebraska 1976

A. F. Dreier
W. J. Moline
W. D. Foote

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**Certified Crop Varieties**

*Suggested for*  
**NEBRASKA—1976**

- **SMALL GRAINS**
- **SORGHUMS**
- **SOYBEANS**
- **ALFALFA & CLOVERS**
- **GRASSES**
- **CORN**

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Agricultural Extension Agronomist (Crop Varieties)

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Agricultural Extension Agronomist (Forage)

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Extension work in "Agriculture, Home Economics and subjects relating thereto," The Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska–Lincoln. Cooperating with the Counties and the U.S. Department of Agriculture  
Leo E. Lucas, Director
# Certified Crop Varieties for Nebraska in 1976

**(LISTED ALPHABETICALLY)**

Varieties named are considered to be among the best available for production in 1976.

<table>
<thead>
<tr>
<th>Cropping district</th>
<th>Winter Wheat</th>
<th>Oats Early</th>
<th>Oats Midseason</th>
<th>Spring Barley</th>
<th>Soybeans</th>
<th>Grain Sorghums</th>
<th>Forage Sorghums</th>
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</thead>
<tbody>
<tr>
<td><strong>Northeast</strong></td>
<td>Centurk¹ Lancer</td>
<td>Grundy Neal</td>
<td>Otee Kota</td>
<td>Burnet</td>
<td>Beacon Custer Nordic</td>
<td>Amsoy 71</td>
<td>Beeson</td>
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<td><strong>East Central</strong></td>
<td>Centurk Gage Lancer Scout 66</td>
<td>Grundy Neal</td>
<td>Otee Stout Trio</td>
<td>Burnett Kota</td>
<td>Beacon</td>
<td>Amsoy 71 Beeson</td>
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<td>Grundy Neal</td>
<td>Otee Petit</td>
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<td>Centurk Hi Plains Lancer Scout 66 Sentinel</td>
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</table>

1Less winterhardy than Lancer. 2Western two counties. 3Northern two counties. 4For both irrigated and non-irrigated land. 5For irrigated land. 6Many.

11Primarily for non-irrigated land.
Clean and Treat All Grain Crop Seeds
Know the Seed You Plant! Certified Seed Assures Purity and Quality

For seed source see your County Agent or write
Agricultural Extension Service
Institute of Agriculture and Natural Resources
Lincoln, Nebraska 68583

Alfalfa

Other Legumes
Crop and Variety Area of State Adaptation

Birdsfoot Trefoil
Empire East

Vetch
Madison Entire

Crownvetch
Emerald East
Penngift East

Grasses
See E.C. 71-179

Cool-season:
Bromegrass—Lancaster, Lincoln, Lyon
Orchardgrass—Napier, Sterling
Reed canarygrass—Ioreed
Russian wildrye—Vinall (W&N.C.)

Wheatgrass:
crested—Nordan, Ruff
intermediate—Slate
tall—Platte
western—Flintlock

Warm-season:
Moderately late maturing
bluestem—Champ
indiangrass—Holt
little bluestem—Camper
sand bluestem—Goldstrike
sand lovegrass—Nebr. 27
side-oats grama—Butte
switchgrass—Nebr. 28

Late maturing
big bluestem—Kaw, Pawnee
little bluestem—Aldous, Blaze
indiangrass—Nebr. 54, Oto
side-oats grama—Trailway
switchgrass—Pathfinder

Great Northern Field Beans

Emerson—West, Southwest and Central
Nebraska #1—West, Southwest and Central
Tara—West and Southwest, on lighter soils and sloping land
Valley—West and Southwest

CORN—EXPERIMENT STATION HYBRIDS

Hybrid Approximate Days to Maturity

Ia. 4542 98-100
Nebr. 201 100-102
Nebr. 501D 114-116
Nebr. 611 112-116
Nebr. 612 112-116
Nebr. 620 112-116

Other Crops

Millet (Proso)

Cerise Entire
Dawn Entire
Panhandle Entire

Rye

Cougar Entire
Ryman Entire

Spring wheat

Olaf West & NC
Waldron West & NC

Sudan

Piper Entire
Wheeler Entire

Winter barley

Nebar SW, SC & SE
NEW VARIETIES

Lancota Winter Wheat—Selected from the cross Atlas 66/Comanche/Lancer and released in 1975. Lancota had good leaf rust resistance in 1971-1975 trials. It is similar to Lancer in stem rust reaction but is not as winterhardy. It is intermediate in reaction to both soil-borne mosaic and wheat streak mosaic. Lancota is outstanding for grain protein content and milling and baking characteristics. Because of some winterhardiness limitations, Lancota is suggested for the southern Nebraska cropping districts only.

Woodworth Soybeans—A Wayne-maturity soybean selected in Illinois from the same cross as Williams. It is very similar in plant appearance to Williams but is 3 days earlier. Its advantage over Wayne and Calland is higher yield and lodging and shattering resistance. Its advantage over Williams is earlier maturity which will allow it to be grown farther north.

Dawn Proso Millet—A white seeded proso which is early and has good standability. Even though yields have not been outstanding, the earliness should allow harvest when other farm operations are not as critical. The good standability offers promise for direct combining. Dawn is a short variety.

Flintlock Western Wheatgrass—A variety selected from intercrossing 100 clones derived from 30 collections made in natural grasslands of central and southwestern Nebraska and northwestern Kansas. It combines several of the better plant and seed characteristics of natural strains. The variety combines persistence of stand and adaptation to adverse conditions with potentials for excellence in seed size, seedling vigor, and forage and seed yields. Its primary use should be in cool-season grass mixtures for conservation planting and forage production in the Central Plains, where persistence is essential under variable conditions of drought. Its best use for grazing is in spring and very early summer.

PLANT VARIETY PROTECTION

The U.S. Plant Variety Protection Act became law in 1970. It gives the originating plant breeder or owners the right to protect (by controlling marketing) new varieties of sexually reproduced crops. This gives rights similar to those granted to inventors under the Patent Act. It covers plants that are reproduced from seed. Asexually reproduced (from cuttings, etc.) were protected under Patent since 1930. First generation hybrids and certain vegetable varieties are exempt from this Act.

Protection of new products of plant breeding assures seed users that the improved varieties are clearly identifiable. This also prevents varieties from being sold under another name. Plant breeders would receive more credit for their developments. They would also have a greater opportunity to recover their costs of varietal research. This is of primary importance to private plant breeders.

In order to be protected a variety must be novel. In order to be novel a variety by definition must be: distinct, uniform, and stable. Developers have one year to apply for protection. The protection period is for 17 years.

Two types of protection are offered under the law. Under the first option the owner may exclude others from selling seed of variety without his permission, through licensing or royalty agreements. He can enforce violations by suits in court to recover damages. Under the second option, the owner specifies that the variety can only be sold as a class of certified seed. Violations are subject to prosecution under the Federal Seed Act and Nebraska Seed Law.

The regulations do not affect the marketing of grain that is not intended for planting as seed. Farmers can save seed of a protected variety from their production for use on their own farms.

The Nebraska Agricultural Experiment Station has protected recent wheat variety releases and they can be sold only as a class of certified seed. Many private plant breeders have elected to protect their materials under the certification option.

Protected varieties (or those for which protection has been applied) listed in this circular are as follows:

<table>
<thead>
<tr>
<th>Winter Wheat</th>
<th>Oats</th>
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<tbody>
<tr>
<td>Buckskin</td>
<td>Grundy</td>
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<td>Centurbk</td>
<td>Stout</td>
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<td>HiPlains</td>
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<td>Homestead</td>
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<td>Lancota</td>
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<td>Soybeans</td>
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<td>Amsoy 71</td>
<td>Bonus</td>
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<td>Bonus</td>
<td>Cutler 71</td>
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<tr>
<td>Wells</td>
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</table>

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