

1-1976

## CC178 Revised 1976 Certified Crop Varieties Suggested for Nebraska 1976

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# Certified Crop Varieties

*Suggested for*

*NEBRASKA—1976*

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- SMALL GRAINS
  - SORGHUMS
    - SOYBEANS
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        - GRASSES
          - CORN

A. F. Dreier  
Agricultural Extension Agronomist (Crop Varieties)

W. J. Moline  
Agricultural Extension Agronomist (Forage)

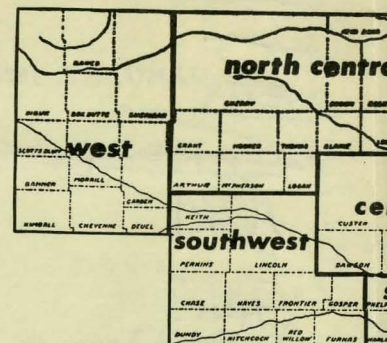
W. D. Foote  
Agricultural Extension Agronomist (Grain)

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



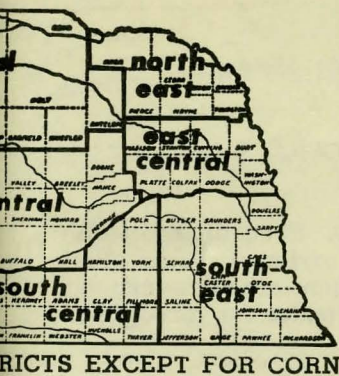
NEBRASKA CROPPING DISTRICTS

Cropping district	Winter Wheat	Oats		Spring Barley	Soybeans	Grain Sorghums		Forage Sorghums
		Early	Midseason					
<b>Northeast</b>	Centurk <sup>1</sup> Lancer	Grundy Neal Otee Stout Trio	Burnett Kota	Beacon Custer Nordic	Amsoy 71 Beeson Corsoy Hark Wells	NB 505 RS 610A RS 625	RS 626 RS 633	NB 280S Rox NB 305F
<b>East Central</b>	Centurk Gage Lancer Scout 66	Grundy Neal Otee Stout Trio	Burnett Kota	Beacon Custer Nordic	Amsoy 71 Beeson Calland Corsoy Wayne Wells Williams Woodworth	NB 505 <sup>8</sup> RS 610A RS 625 RS 626	RS 633 TAM 670 <sup>9</sup> RS 671 <sup>9</sup>	NB 280S Atlas NB 305F
<b>Southeast</b>	Centurk Gage Homestead Scout 66 Scoutland	Grundy Neal Otee Pettis Trio		Beacon Custer	Bonus Calland Clark 63 Cutler 71 Wayne Williams Woodworth	NB 505 <sup>8</sup> RS 610A RS 625 RS 626	RS 633 TAM 680 RS 671 TAM 670	NB 280S Atlas NB 305F
<b>South Central</b>	Buckskin Centurk Gage Sage Scout 66 Scoutland Sentinel	Grundy <sup>4</sup> Neal <sup>4</sup> Otee <sup>4</sup> Pettis <sup>4</sup> Trio <sup>4</sup>		Beacon Custer	Amsoy 71 Beeson Calland Corsoy Wayne Wells Williams Woodworth	NB 505 <sup>8</sup> RS 610A RS 625 RS 626	TAM 680 RS 671 TAM 670	NB 280S NB 305F
<b>Central</b>	Centurk Hi Plains <sup>2</sup> Lancer Scout 66 Sentinel	Grundy <sup>4</sup> Neal <sup>4</sup> Otee <sup>4</sup> Pettis <sup>4</sup> Trio <sup>4</sup>		Beacon Custer Nordic	Amsoy 71 <sup>7</sup> Beeson <sup>7</sup> Calland <sup>7</sup> Corsoy <sup>7</sup> Wayne <sup>7</sup> Wells <sup>7</sup> Williams <sup>7</sup> Woodworth <sup>7</sup>	NB 505 <sup>8</sup> RS 610A RS 625 RS 626	RS 633 NB 635 RS 671 <sup>9</sup> TAM 670 <sup>9</sup>	NB 280S NB 305F
<b>North Central</b>	Centurk <sup>1</sup> Lancer	Grundy <sup>4</sup> Neal <sup>4</sup> Otee <sup>4</sup> Pettis <sup>4</sup> Trio <sup>4</sup>	Kota <sup>4</sup>	Beacon Custer Nordic				NB 280S Rox NB 305F <sup>5</sup>
<b>West</b>	Centurk Hi Plains Lancer Scout 66	Grundy <sup>4</sup> Otee <sup>4</sup> Pettis <sup>4</sup> Stout <sup>5</sup> Trio <sup>4</sup>	Garry <sup>5</sup> Kota <sup>5</sup>	Beacon Custer Nordic		NB 505		NB 280S Rox NB 305F <sup>5</sup>
<b>Southwest</b>	Buckskin Centurk Eagle HiPlains <sup>3</sup> Lancer Sage Scout 66 Sentinel	Grundy <sup>4</sup> Otee <sup>4</sup> Pettis <sup>4</sup> Trio <sup>4</sup>		Beacon Custer	Amsoy 71 <sup>7</sup> Beeson <sup>7</sup> Calland <sup>7</sup> Corsoy <sup>7</sup> Wayne <sup>7</sup> Wells <sup>7</sup> Williams <sup>7</sup> Woodworth <sup>7</sup>	NB 505 RS 610A RS 625 RS 626	RS 633 TAM 670 <sup>9</sup> RS 671 <sup>9</sup>	NB 280S Rox NB 305F

<sup>1</sup>Less winterhardy than Lancer. <sup>2</sup>Western two counties. <sup>3</sup>Northern two counties. <sup>4</sup>For both irrigated and non-irrigated land. <sup>5</sup>For irrigated land. <sup>6</sup>Many  
<sup>11</sup>Primarily 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	Sweet Clover	Red Clover	Other Legumes		Great Northern Field Beans														
			Crop and Variety	Area of State Adaptation															
Lawson Central	Denta Goldtop Madrid	Kenland Midland	<b>Birdsfoot Trefoil</b> Empire	East	<b>Emerson</b> —West, Southwest and Central <b>Nebraska #1</b> —West, Southwest and Central <b>Tara</b> —West and Southwest, on lighter soils and sloping land <b>Valley</b> —West and Southwest														
			<b>Vetch</b> Madison	Entire															
			<b>Crownvetch</b> Emerald Penngift	East East															
			<b>Grasses</b> See E.C. 71-179		<b>CORN—</b> <b>EXPERIMENT STATION HYBRIDS<sup>6</sup></b> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Hybrid</th> <th>Approximate Days to Maturity</th> </tr> </thead> <tbody> <tr> <td>Ia. 4542</td> <td>98-100</td> </tr> <tr> <td>Nebr. 201</td> <td>100-102</td> </tr> <tr> <td>Nebr. 501D</td> <td>114-116</td> </tr> <tr> <td>Nebr. 611</td> <td>112-116</td> </tr> <tr> <td>Nebr. 612</td> <td>112-116</td> </tr> <tr> <td>Nebr. 620</td> <td>112-116</td> </tr> </tbody> </table>	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
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	Denta <sup>5</sup> Goldtop Madrid	Planting not advised	<b>Cool-season:</b> Bromegrass— Lancaster, Lincoln, Lyon Orchardgrass—Napier, Sterling Reed canarygrass—Ioreed Russian wildrye—Vinal (W&N.C.) Wheatgrass: crested—Nordan, Ruff intermediate—Slate tall—Platte western—Flintlock																
	Denta <sup>5</sup> Goldtop <sup>7</sup> Madrid <sup>7</sup>	Plant only in wet meadows	<b>Warm-season:</b> Moderately late maturing bluestem—Champ indiangrass—Holt little bluestem—Camper sand bluestem—Goldstrike sand lovegrass—Nebr. 27 side-oats grama—Butte switchgrass—Nebr. 28																
	Goldtop <sup>7</sup> Madrid <sup>7</sup>																		
	Denta <sup>5</sup> Goldtop <sup>7</sup> Madrid <sup>7</sup>		Late maturing big bluestem—Kaw, Pawnee little bluestem—Aldous, Blaze indiangrass—Nebr. 54, Oto side-oats grama—Trailway switchgrass—Pathfinder																
	Denta <sup>5</sup> Goldtop <sup>7</sup> Madrid <sup>7</sup>	Planting not advised			<b>Other Crops</b> <b>Millet (Proso)</b> Cerise                      Entire Dawn                        Entire Panhandle                Entire <b>Rye</b> Cougar                     Entire Ryman                      Entire <b>Spring wheat<sup>6</sup></b> Olaf                         West & NC Waldron                    West & NC <b>Sudan<sup>6</sup></b> Piper                        Entire Wheeler                    Entire <b>Winter barley</b> Nebar                      SW, SC & SE														

<sup>5</sup>Good private brand varieties or hybrids available.    <sup>7</sup>Primarily for irrigated land.    <sup>8</sup>For late planting.    <sup>9</sup>For longer growing season area.    <sup>10</sup>South one half

# 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 en-

force 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:

### Winter Wheat

Buckskin  
Centurk  
HiPlains  
Homestead  
Lancota  
Sentinel

### Oats

Grundy  
Stout

### Soybeans

Amsoy 71  
Bonus  
Cutler 71  
Wells

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