Open-Pollinated Corn Varieties

A Descriptive Catalog

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Varieties Evaluated

The tables on the following two pages list the varieties that we evaluated in this study and the sources from which we got seed for each variety. The gray-shaded varieties are commercial hybrids included as checks.

Note that for some varieties we evaluated the same variety from several different seed sources. Open-pollinated varieties will change somewhat depending on the environment where the seed is produced and on the seed selection practices of the person choosing which ears to save for seed. For example, if seed of the "same" variety is being produced in both a long season area and a short season area, the resulting varieties will gradually become different in maturity. Only the earlier maturing plants will produce good ears in the short season area, so most of the seed ears will come from these early plants.. In contrast, the later maturing plants are likely to produce some of the nicest ears in a long season area (they have more time during which to set ears and fill out the grain), so more of the seed saved is likely to come from later maturing plants. Similarly, from a variety with varying ear colors, one person might choose to save only ears with yellow kernels and white cobs for seed, while another person might keep other colors also. The seed resulting from the first person's selection will gradually be predominated by yellow kernel, white cob types, while the other selection will maintain more variation in ear colors. Evaluating several versions of some varieties provides information on how differently they perform, and whether growers should be concerned with the seed source as it affects variety adaptation.

Earlier maturing open-pollinated varieties and commercial hybrids evaluated and seed sources from which they were grown.

Variety	Seed Source
BS21	Iowa State University
BS21/BS22	Iowa State University
BS22	Iowa State University
E95	Albert Lea Seed House
Early Butler	Frank Kutka
Early Reid	Green Haven Open-Pollinated Seed Group
Earth Tones Dent	Jung Quality Seed
FS4597	FS Seeds
FS4717	FS Seeds
Golden Glow	Frank Kutka
Green 'n Gold	Jung Quality Seed
Green Oaxacana	Jung Quality Seed
Iroquois White	American Indian Program, Cornell University
J Reid	Green Haven Open-Pollinated Seed Group
Kucyk Early RX	Green Haven Open-Pollinated Seed Group
Minnesota 13	Albert Lea Seed House
NDSAB	North Dakota State University
NDSM	North Dakota State University
Nokomis Gold	Michael Fields Agriculture Institute
Northwestern Dent	Frank Kutka
Pioneer 38K06	Pioneer Hi-Bred Internationl Inc.
Pioneer 38T27	Pioneer Hi-Bred Internationl Inc.
Reid's Yellow Dent	Albert Lea Seed House
Reid's Yellow Dent	Victor Kucyk
Reid V	Green Haven Open-Pollinated Seed Group
Wapsie Valley	FedCo
Wapsie Valley	Green Haven Open-Pollinated Seed Group
Wapsie Valley High Density	Victor Kucyk
Wisconsin 25	Frank Kutka

Later maturing open-pollinated varieties and commercial hybrids (shaded) evaluated and seed sources from which they were grown.

Variety	Seed Source
BD	Michael Fields Agriculture Institute
Bloody Butcher	Jung Quality Seed
Bloody Butcher	R.H. Shumway's
Blue Clarage	Sand Hill Preservation Center

Blue Dent	R.H. Shumway's
Variety	**Seed Source**
Boone County White	R.H. Shumway's
BS10/BS11	Iowa State University
BS11	Iowa State University
BS31	Iowa State University
BSSS/BSCB1	Iowa State University
Buck Lantz	Sand Hill Preservation Center
Doebler's 596XY	Doebler's
Early SSS	University of Guelph
FS 6001	FS Seeds
Glenn Beasley Red	Sand Hill Preservation Center
Goliath Silo	R.H. Shumway's
Greenfield 114	Greenfield Farms
Henry Moore	Borries Open Pollinated Seed Corn Farm
Hickory King	R.H. Shumway's
Hopi Blue Flour	FedCo
Indian or Rainbow	Jung Quality Seed
Kalidia Ornamental Flint	FedCo
Krug	Green Haven Open-Pollinated Seed Group
Krug's 90 Day	Borries Open Pollinated Seed Corn Farm
Lancaster Sure Crop	R.H. Shumway's
Lancaster Surecrop	Green Haven Open-Pollinated Seed Group
Longfellow	Frank Kutka
Longfellow/73118	Cornell University
OLCN/ORCN	Cornell University
OLIS/ORIS	Cornell University
OLNT/ORNT	Cornell University
OLON/ORON	Cornell University
PA Syn. ARSC1	The Pennsylvania State University
PA Virus Resis. Early Syn. H5	The Pennsylvania State University
PAPP Comp. (GLS) LD	The Pennsylvania State University
Pioneer 34B23	Pioneer Hi-Bred International, Inc.
Pioneer 34G81	Pioneer Hi-Bred International, Inc.
Pioneer 36B08	Pioneer Hi-Bred International, Inc.
Pride of Saline	Sand Hill Preservation Center
Rainbow Flint	Albert Lea Seed House
Rainbow Indian	R.H. Shumway's
Reid's Yellow Dent	Borries Open Pollinated Seed Corn Farm
Reid's Yellow Dent	R.H. Shumway's
Silver King	R.H. Shumway's
Silver Mine	R.H. Shumway's
Truckers Favorite White	R.H. Shumway's

Truckers Favorite Yellow	R.H. Shumway's
Truckers Yellow	Frank Kutka

Yield Trial Data

The tables on the following two pages show the yield data for each of the open-pollinated corn varieties we evaluated together with the commercial hybrid varieties for comparison. Each table is in order of grain moisture, from the driest to the wettest. The varieties with the lowest grain moisture are the most mature at harvest time (i.e., the earliest maturity ones in the group).

Yield trials were planted in 1/500 acre plots (2 rows wide and about 18 feet long) with three replications per environment. All sites were machine planted and then harvested either with a combine or, if severe lodging made that impossible, by hand. Plot grain weights and grain moisture percentages were measured electronically. Grain yields were adjusted to 15.5% moisture and reported as bushels per acre.

We calculated a yield to moisture ratio, which is the grain yield in bushels per acre divided by the percentage grain moisture. This number provides an estimate of hybrid efficiency. Hybrids that show high yields and earlier maturity (lower moistures) have higher yield:moisture ratios.

Stalk lodging and root lodging were evaluated for each variety. For stalk lodging, we counted the number of stalks broken (or lodged) below the ear and expressed it as a proportion of the total number of plants in the plot (per cent). Root lodging was measured by counting the number of plants leaning over from the soil surface at more than a 30 degree angle from the vertical, and again expressed as a per cent of the total number of plants in the plot.

The CV (coefficient of variation) is a measure of the amount of uncontrolled variability due to differences in the soil, weather, fertility, or plot-to-plot variation in the varieties themselves. Grain yield CVs below 12 are excellent and those 15 and under are good. For grain moisture, CVs below 5 are considered excellent.

Both the earlier and the later maturing trials had relatively high CVs for yield, indicating some uncontrolled variation in these trials. Since other trials of hybrids in these same environments had much lower CVs, it would appear that the variation in the open-pollinated varieties themselves is contributing to the high CVs. (Open-pollinated varieties are inherently more variable from plant to plant than are hybrid varieties.)

Data should be compared within each table, but not between tables. The earlier maturity varieties were evaluated in a different set of environments than the later maturity varieties, in order to make sure each variety was in environments that fit its maturity range. Thus the data cannot be compared between tables because the productivity potential of the evaluation environments differed.

Yield trial results for earlier maturing open-pollinated varieties and commercial hybrid checks; data from two to five NY environments in 2002, 2003, and 2004.

Variety	Grain Yield, bu/A	% Grain Moisture	Yield: Moisture Ratio	% Stalk Lodging	% Root Lodging
Pioneer 38K06	119	27.0	4.5	19	3
NDSAB	83	27.1	3.1	38	3
Pioneer 38T27	133	27.1	5.0	21	8
NDSM	76	27.7	2.8	54	7
Wisconsin 25	54	27.8	2.1	53	8
Early Butler	63	27.8	2.3	51	16
Early Reid	49	28.2	1.8	61	7
Kucyk Early RX	45	28.2	1.8	63	3
Wapsie Valley - FedCo	79	28.2	2.9	32	8
Wapsie Valley - Green Haven	86	28.6	3.1	37	7
FS4597	138	28.6	4.9	10	2
FS4717	161	28.7	5.8	6	2
Minnesota 13	69	29.0	2.4	44	8
Wapsie Valley High Density	103	29.0	3.6	41	11
Green 'n Gold	64	29.2	2.2	60	13
Green Oaxacana	45	29.3	1.5	72	11
Northwestern Dent	55	29.5	1.9	81	10
Golden Glow	71	29.5	2.4	58	9
Earth Tones Dent	68	29.7	2.2	76	7
Iroquois White	44	29.9	1.5	70	8
E-95	93	30.2	3.1	34	5
Reid's Yellow Dent - Lea	82	30.3	2.8	30	11
J Reid	72	30.3	2.4	31	13
BS21	90	30.7	3.0	29	3
Reid's Yellow Dent - Kucyk	83	31.1	2.7	31	11
BS22	95	31.2	3.1	32	3
BS21/BS22	105	31.2	3.4	23	6
Reid V	83	31.5	2.7	30	11
Nokomis Gold	87	31.5	2.8	30	8
Mean	86	29.4	3	40	7
CV	22.3	5.6			

Yield trial results for later maturing open-pollinated varieties and commercial hybrid checks; data from one to seven NY environments in 2002, 2003, and 2004.

Variety	Grain Yield, bu/A	% Grain Moisture	Yield: Moisture Ratio	% Stalk Lodging	% Root Lodging
Blue Clarage	57	24.0	2.5	58	11
Longfellow/73118	89	24.3	3.5	67	0
Blue Dent	28	25.6	1.2	59	28
Early SSS	61	26.0	2.5	18	6
Pioneer 34G81	147	27.4	5.6	21	0
Glenn Beasley Red	49	27.7	2.0	61	24
Pioneer 36B08	139	28.3	5.3	14	4
Pioneer 34B23	177	28.4	6.7	17	3
BD	78	28.5	2.9	38	8
OLCN/ORCN	83	28.6	3.1	23	5
OLON/ORON	90	28.7	3.2	36	9
Krug	85	29.0	3.1	54	11
FS 6001	171	29.4	6.1	17	6
OLNT/ORNT	84	29.5	3.0	29	9
Longfellow	32	29.7	1.0	56	8
Doebler's 596XY	141	29.7	5.0	28	2
PA Syn. ARSC1	70	29.8	2.6	57	21
OLIS/ORIS	68	29.8	2.3	49	7
Krug's 90 Day	89	29.8	3.1	46	19
Rainbow Flint	68	29.9	2.4	68	19
BSSS/BSCB1	133	30.0	4.6	31	6
BS10/BS11	102	30.0	3.6	34	5
Greenfield 114	92	30.0	3.3	37	14
Indian or Rainbow	48	30.5	1.6	61	17
Hopi Blue Flour	39	30.7	1.4	56	22
Reid's Yellow Dent - Shumway	92	30.7	3.2	44	16
PA Virus Resis. Early Syn. H5	52	30.8	1.7	42	11
BS11	108	31.0	3.5	42	4
Bloody Butcher - Jung	82	31.1	2.7	48	25
Kalidia Ornamental Flint	63	31.2	1.9	56	11
Henry Moore	73	31.5	2.4	50	17
Bloody Butcher - Shumway	99	31.8	3.2	45	13
Truckers Yellow	82	31.9	2.6	62	10
Pride of Saline	53	31.9	1.6	55	18
BS31	99	32.0	3.2	27	4
Buck Lantz	59	32.0	1.8	52	14
PAPP Comp. (GLS) LD	113	32.1	3.6	20	1
Truckers Favorite White	120	32.3	3.9	45	12
Reid's Yellow Dent - Borries	79	32.5	2.4	43	30
Rainbow Indian	60	32.6	1.8	59	23
Lancaster Sure Crop	71	32.7	2.2	71	11
Truckers Favorite Yellow	66	32.7	1.9	68	11
Silver King	98	33.1	3.0	51	36
Lancaster Surecrop	43	33.3	0.9	43	0
Silver Mine	92	33.6	2.7	39	13
Hickory King	91	33.7	2.6	39	27
Goliath Silo	85	34.2	2.2	47	31
Boone County White	72	34.8	1.8	44	29
Mean	104	30.2	3.6	44	11
CV	23.3	7.9			

Variety Descriptions

This section contains a page for each open-pollinated variety that we evaluated. They are arranged in alphabetical order by variety name, with the seed sources noted only for those cases where several different sources of identically-named varieties were grown.

A picture of a small sample of representative ears from the variety is provided, with a scale of lines at 5 cm (approximately 2 in) spacing to indicate ear length. Note that these ears were picked from our small evaluation trials, so they were products of cross pollination among all the different varieties in those trials. As a result, there are often scattered kernels that are not the typical color one would see in that variety if it were planted on its own in a large-scale planting. This is because pollen from colored kernel types of corn, when it lands on the silks of a different color variety, can cause those kernels that it fertilized to have the color of the pollen parent rather than the ear parent. For example, a white kernel variety of corn, when planted in a large field on its own, would have practically only white kernels. But when planted in a small plot with many other types of corn around it, any kernels that were fertilized by a blue-kernel variety will be blue, and any kernels that were fertilized by a yellow-kernel variety will be yellow. Similarly, blue corn pollen will produce scattered blue kernels on a yellow-kernel variety. So when looking at these ear pictures, if there is a scattering of different colored kernels on the ears, it is probably a result of the cross pollination with other varieties rather than a trait of the variety itself.

Data were collected from the yield evaluation plots and also from demonstration plots. For each set of data, the number and names of environments from which the data were derived is listed. The more environments in which a trait was measured, the more confidence we can have in that data. This is especially true for measurements that are very much influenced by the growing environment (like yield or plant height). It is of relatively little concern for traits like kernel color that tend to be the same regardless of the growing environment.

The traits were measured or described as follows.

Grain yield: All grain from three 1/500 A plots per environment was weighed, and bushels per acre calculated at a standard level of 15.5% grain moisture.

Grain moisture: A sample of grain was measured electronically to determine the amount of moisture in the grain at harvest. This indicates relative maturity (the less moisture in the grain, the more mature that variety was at harvest time).

Unpollinated ears: From each plot, we counted the number of ears that had formed but set no seed. We then calculated the average number that would occur on 100 plants.

Barren plants: From each plot, we counted how many plants did not produce any ear, and calculated the average number that would occur on 100 plants.

Stalk lodging: All plants with stalks broken below the ear were counted and a proportion of total plants in the plot (percentage) was calculated.

Root lodging: All plants with stalks leaning over at more than 30˚ from the vertical were counted and a proportion of total plants in the plot (percentage) was calculated.

Stewart's wilt, rust, and anthracnose leaf blight reaction: In environments where each of these diseases was present, we rated relative amount of disease on the plants on a 1 to 5 scale, where 1

represents no lesions on the leaves (a very healthy plant) and 5 represents severe disease (many lesions on most leaves of the plant).

Approximate density: Varieties were each thinned to what we understood to be a relatively optimal density for that particular variety. Those varieties that needed lower density were thinned to about 20,000 plants per acre, while those that perform well at more nearly current commercial densities were thinned to about 28,000 plants per acre.

Tillers: From each plot, we counted the number of tillers on ten representative plants and calculated how many tillers on average would occur on 100 plants.

Number of leaves: The number of leaves on the entire plant and the number of leaves above the ear were counted and averaged from ten representative plants per plot.

Plant height: Height was measured from the ground to the uppermost leaf on the main stalk and averaged for ten representative plants per plot.

Ear height: Height was measured from the ground to the node where the uppermost ear was found and averaged for ten representative plants per plot.

Pollen shed: The number of days from planting to first pollen shed was counted and averaged for ten representative plants per plot.

Silking: The number of days from planting to silk emergence was counted and averaged for ten representative plants per plot.

Ear length: Length from the butt to the tip of ten representative ears was measured and averaged.

Ear diameter: Ten representative ears were lined up side by side and the total span across them measured, and diameter per ear calculated.

Cob diameter: The same ears were shelled and the cobs lined up side by side and the total span across them measured, and diameter per cob calculated.

Kernel depth: Calculated as the difference between ear diameter and cob diameter. Values may not add up exactly due to rounding errors.

Number of kernel rows: The number of rows of kernels on the same ten representative ears was counted and averaged. Corn kernels always occur in paired rows, so any given ear will have an even number of kernel rows. Some of the data will show odd numbers due to averaging (for example, from a sample of ten ears where five had 14 kernel rows and five had 16 kernel rows, the average number of kernel rows would be 15).

Kernel and cob color: Noted based on the sample of ten representative ears, ignoring scattered off-color kernels that were the result of cross pollination from other varieties in the small plots where these ears were grown.

BD

A yellow dent population, seed of which was provided by Walter Goldstein at the Michael Fields Agriculture Institute in Wisconsin.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**78**
Grain Moisture at Harvest, %	**28.5**
Unpollinated Ears, number / 100 plants	**2**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**38**
Root Lodging, %	**8**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**1.7**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**50**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**86**
Ear Height, inches		**35**
Pollen Shed, days to first anthers		**69**
Silking, days to first silks		**71**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Most Red, Few White**

Data from two NY environments (Aurora 2003 and 2004)

Bloody Butcher - Jung

A variety with dark red kernels that is possibly the same as Northwestern Dent (a Native American variety). This version is marketed by Jung Quality Seeds.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**82**
Grain Moisture at Harvest, %	**31.1**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**48**
Root Lodging, %	**25**
Early Plant Vigor, 1-5 scale	**4**
Stewart's Wilt Reaction, 1-5 scale	**2.0**
Anthracnose Leaf Blight Reaction, 1-5	**2.3**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**40**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**106**
Ear Height, inches		**62**
Pollen Shed, days to first anthers		**75**
Silking, days to first silks		**78**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.2**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Dark Red**
Cob Color	**Red**

Data from two NY environments (Aurora 2003 and 2004)

Bloody Butcher - Shumway

A variety with dark red kernels that is possibly the same as Northwestern Dent (a Native American variety). This version is marketed by R.H. Shumway's.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**99**
Grain Moisture at Harvest, %	**31.8**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**45**
Root Lodging, %	**13**
Early Plant Vigor, 1-5 scale	**2**
Approximate Plant Density, plants/A	**20,000**

Data from one NY environment (Kingston 2004)

Plant Characteristics

Tillers, number / 100 plants		**100**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**104**
Ear Height, inches		**55**
Pollen Shed, days to first anthers		**81**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.7**
Ear Diameter, inches	**2.0**
Cob Diameter, inches	**1.4**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Red**
Cob Color	**Purple**

Data from one NY environment (Aurora 2004)

Blue Clarage

A version of the variety Clarage (originally from an Ohio farmer) with blue, white, and speckled kernels, marketed by Sand Hill Preservation Center in Calamus, Iowa.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**57**
Grain Moisture at Harvest, %	**24.0**
Unpollinated Ears, number / 100 plants	**5**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**58**
Root Lodging, %	**11**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Kingston 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**88**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**66**
Silking, days to first silks		**72**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.8**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**11.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Mixed Blue, White, Yellow**
Cob Color	**Half Red, Half White**

Data from two NY environments (Aurora 2003 and 2004)

Blue Dent

An old corn that traces its origins to the Native Americans of the southwest.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**28**
Grain Moisture at Harvest, %	**25.6**
Unpollinated Ears, number / 100 plants	**7**
Barren Plants, number / 100 plants	**4**
Stalk Lodging, %	**59**
Root Lodging, %	**28**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**250**
Number of leaves	**Total**	**18**
	Above Ear	**5**
Plant Height, inches		**87**
Ear Height, inches		**37**
Pollen Shed, days to first anthers		**72**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.0**
Ear Diameter, inches	**1.5**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**11**
Kernel Color	**Blue**
Cob Color	**White**

Data from one NY environment (Aurora 2004)

Boone County White

A Corn Belt-adapted variety that traces its origins to White Mastodon.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**72**
Grain Moisture at Harvest, %	**34.8**
Unpollinated Ears, number / 100 plants	**0**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**44**
Root Lodging, %	**29**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**110**
Number of leaves	**Total**	**23**
	Above Ear	**6**
Plant Height, inches		**120**
Ear Height, inches		**76**
Pollen Shed, days to first anthers		**83**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.7**
Ear Diameter, inches	**1.5**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**12**
Kernel Color	**White**
Cob Color	**White**

Data from one NY environment (Aurora 2004)

BS10/BS11

A varietal hybrid from Iowa State University resulting from the cross of BS10 (derived from Iowa Two Ear Synthetic) with BS11 (from Pioneer Two-ear Composite).

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**102**
Grain Moisture at Harvest, %	**30.0**
Unpollinated Ears, number / 100 plants	**6**
Barren Plants, number / 100 plants	**1**
Smutted Ears, number / 100 plants	**0**
Stalk Lodging, %	**34**
Root Lodging, %	**5**
Stewart's Wilt Reaction, 1-5 scale	**1.8**
Anthracnose Leaf Blight Reaction, 1-5	**3.3**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2002 and 2003, Kingston 2002 and 2003, and Pittsford 2002)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**87**
Ear Height, inches		**48**
Pollen Shed, days to first anthers		**72**
Silking, days to first silks		**74**

Data from two NY environments (Aurora 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**4.9**
Ear Diameter, inches	**1.5**
Cob Diameter, inches	**0.9**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2002 and 2003)

BS11

A synthetic developed at Iowa State University from Pioneer Two-ear Composite.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**108**
Grain Moisture at Harvest, %	**31.0**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Smutted Ears, number / 100 plants	**0**
Stalk Lodging, %	**42**
Root Lodging, %	**4**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.4**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**28,000**

Data from six NY environments (Aurora 2003; Kingston 2002, 2003, and 2004; and Pittsford 2002 and 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**86**
Ear Height, inches		**45**
Pollen Shed, days to first anthers		**73**
Silking, days to first silks		**76**

Data from three NY environments (Aurora 2002, 2003, and 2004)

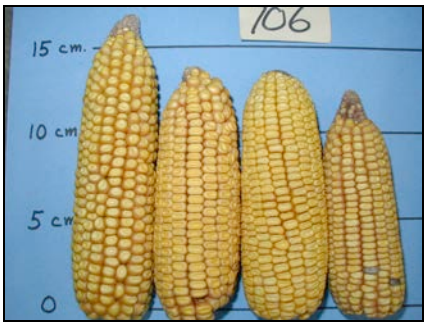
Ear and Kernel Characteristics

Ear Length, inches	**5.3**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Most Red, Few White**

Data from three NY environments (Aurora 2002, 2003, and 2004)

BS21

A synthetic developed at Iowa State University from a cross of two other synthetics, one with early maturity and one with root and stalk strength.



Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**90**
Grain Moisture at Harvest, %	**30.7**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**29**
Root Lodging, %	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.8**
Rust Reaction, 1-5 scale	**3.0**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**10**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**72**
Ear Height, inches		**34**
Pollen Shed, days to first anthers		**69**
Silking, days to first silks		**72**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**16**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

BS21/BS22

A varietal hybrid resulting from the cross of BS21 with BS22.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**105**
Grain Moisture at Harvest, %	**31.2**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**23**
Root Lodging, %	**6**
Stewart's Wilt Reaction, 1-5 scale	**2.5**
Rust Reaction, 1-5 scale	**2.8**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**0**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**83**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**68**
Silking, days to first silks		**70**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.3**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

BS22

A synthetic developed at Iowa State University from a broad mix of parents related to Reid Yellow Dent, Lancaster Sure Crop, Minnesota 13, and others.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**95**
Grain Moisture at Harvest, %	**31.1**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**32**
Root Lodging, %	**3**
Stewart's Wilt Reaction, 1-5 scale	**3.5**
Rust Reaction, 1-5 scale	**2.2**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**0**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**71**
Ear Height, inches		**32**
Pollen Shed, days to first anthers		**68**
Silking, days to first silks		**70**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

BS31

A synthetic developed at Iowa State University.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**99**
Grain Moisture at Harvest, %	**32.0**
Unpollinated Ears, number / 100 plants	**9**
Barren Plants, number / 100 plants	**1**
Smutted Ears, number / 100 plants	**2**
Stalk Lodging, %	**27**
Root Lodging, %	**4**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**28,000**

Data from seven NY environments (Aurora 2002 and 2003; Kingston 2002, 2003, and 2004; and Pittsford 2002 and 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**21**
	Above Ear	**6**
Plant Height, inches		**83**
Ear Height, inches		**45**
Pollen Shed, days to first anthers		**75**
Silking, days to first silks		**78**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.6**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Most Red, Few White**

Data from three NY environments (Aurora 2002, 2003, and 2004)

BSSS/BSCB1

A varietal hybrid from Iowa State University resulting from the cross of BSSS ('Stiff Stalk Synthetic') with BSCB1 ('Corn Borer Synthetic 1').

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**133**
Grain Moisture at Harvest, %	**30.0**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**1**
Smutted Ears, number / 100 plants	**0**
Stalk Lodging, %	**31**
Root Lodging, %	**6**
Early Plant Vigor, 1-5 scale	**4**
Stewart's Wilt Reaction, 1-5 scale	**2.5**
Anthracnose Leaf Blight Reaction, 1-5	**2.7**
Approximate Plant Density, plants/A	**28,000**

Data from seven NY environments (Aurora 2002 and 2003; Kingston 2002, 2003, and 2004; and Pittsford 2002 and 2004)

Plant Characteristics

Tillers, number / 100 plants		**0**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**94**
Ear Height, inches		**48**
Pollen Shed, days to first anthers		**71**
Silking, days to first silks		**72**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.9**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**17**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Buck Lantz

A yellow variety marketed by Sand Hill Preservation Center in Calamus, Iowa.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**59**
Grain Moisture at Harvest, %	**32.0**
Unpollinated Ears, number / 100 plants	**6**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**52**
Root Lodging, %	**14**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**40**
Number of leaves	**Total**	**21**
	Above Ear	**6**
Plant Height, inches		**101**
Ear Height, inches		**53**
Pollen Shed, days to first anthers		**74**
Silking, days to first silks		**78**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.9**
Cob Diameter, inches	**1.3**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2003 and 2004)

E95

An improved variety selected for yield and standability for which seed is available from Albert Lea Seed House.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**93**
Grain Moisture at Harvest, %	**30.2**
Unpollinated Ears, number / 100 plants	**2**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**34**
Root Lodging, %	**5**
Stewart's Wilt Reaction, 1-5 scale	**3.3**
Rust Reaction, 1-5 scale	**2.3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Bliss 2002 and Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**60**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**77**
Ear Height, inches		**35**
Pollen Shed, days to first anthers		**71**
Silking, days to first silks		**72**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**16**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2002 and 2004)

Early Butler

An old open-pollinated variety originally from the northeast U.S. (New York and Pennsylvania).

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**63**
Grain Moisture at Harvest, %	**27.8**
Unpollinated Ears, number / 100 plants	**8**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**51**
Root Lodging, %	**16**
Stewart's Wilt Reaction, 1-5 scale	**4.2**
Rust Reaction, 1-5 scale	**3.2**
Approximate Plant Density, plants/A	**20,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**50**
Number of leaves	**Total**	**19**
	Above Ear	**7**
Plant Height, inches		**79**
Ear Height, inches		**34**
Pollen Shed, days to first anthers		**66**
Silking, days to first silks		**69**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

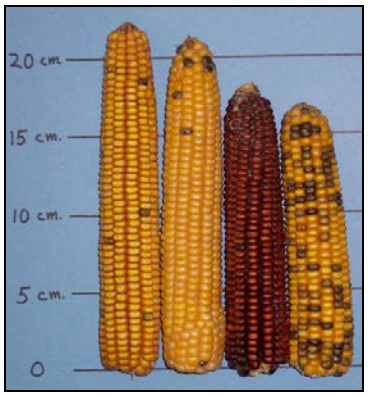
Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Early Reid

An earlier maturing version of Reid's Yellow Dent, for which seed is produced by Vaughn Emo in Avoca, New York.



Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**49**
Grain Moisture at Harvest, %	**28.2**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**61**
Root Lodging, %	**7**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**130**
Number of leaves	**Total**	**16**
	Above Ear	**5**
Plant Height, inches		**70**
Ear Height, inches		**27**
Pollen Shed, days to first anthers		**67**
Silking, days to first silks		**69**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**7.1**
Ear Diameter, inches	**1.5**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**12**
Kernel Color	**Mixed**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2004, Harford 2003)

Early SSS

An early maturing version of the Iowa Stiff Stalk Synthetic; this version was developed at the University of Guelph.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**61**
Grain Moisture at Harvest, %	**26.0**
Unpollinated Ears, number / 100 plants	**2**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**18**
Root Lodging, %	**6**
Early Plant Vigor, 1-5 scale	**4**
Stewart's Wilt Reaction, 1-5 scale	**3.0**
Anthracnose Leaf Blight Reaction, 1-5	**4.3**
Approximate Plant Density, plants/A	**28,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**0**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**69**
Ear Height, inches		**29**
Pollen Shed, days to first anthers		**66**
Silking, days to first silks		**70**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**4.9**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Most Red, Some White**

Data from two NY environments (Aurora 2003 and 2004)

Earth Tones Dent

An old variety with various kernel colors including pink, green, and blue, marketed by Jung Quality Seeds.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**68**
Grain Moisture at Harvest, %	**29.7**
Unpollinated Ears, number / 100 plants	**2**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**76**
Root Lodging, %	**7**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**80**
Number of leaves	**Total**	**19**
	Above Ear	**5**
Plant Height, inches		**78**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**71**
Silking, days to first silks		**72**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.8**
Ear Diameter, inches	**1.8**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Mixed**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2004, Harford 2003)

Glenn Beasley Red

A variety with primarily dark red kernels, for which seed is marketed by Sand Hill Preservation Center in Calamus, Iowa.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**49**
Grain Moisture at Harvest, %	**27.7**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**61**
Root Lodging, %	**24**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**4.2**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2002 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**50**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**83**
Ear Height, inches		**43**
Pollen Shed, days to first anthers		**69**
Silking, days to first silks		**75**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**15**
Kernel Color	**Red**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Golden Glow

An old variety developed from a cross between Minnesota No. 13 and Toole's North Star.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**71**
Grain Moisture at Harvest, %	**29.6**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**58**
Root Lodging, %	**9**
Stewart's Wilt Reaction, 1-5 scale	**3.5**
Rust Reaction, 1-5 scale	**1.8**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Bliss 2002, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**17**
	Above Ear	**5**
Plant Height, inches		**79**
Ear Height, inches		**37**
Pollen Shed, days to first anthers		**65**
Silking, days to first silks		**67**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora in 2002 and 2004, Harford 2003)

Goliath Silo

A variety developed and improved by R.H. Shumway's especially for silage use.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**85**
Grain Moisture at Harvest, %	**34.2**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**47**
Root Lodging, %	**31**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**140**
Number of leaves	**Total**	**23**
	Above Ear	**6**
Plant Height, inches		**129**
Ear Height, inches		**82**
Pollen Shed, days to first anthers		**82**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**7.3**
Ear Diameter, inches	**1.8**
Cob Diameter, inches	**1.3**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Cream**
Cob Color	**White**

Data from one NY environment (Aurora 2004)

Green ‘n Gold

An ornamental dent corn variety with green and gold kernels, marketed by Jung Quality Seeds.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**64**
Grain Moisture at Harvest, %	**29.2**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**60**
Root Lodging, %	**13**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**71**
Ear Height, inches		**39**
Pollen Shed, days to first anthers		**71**
Silking, days to first silks		**77**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.3**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**12**
Kernel Color	**Mixed**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2004, Harford 2003)

Green Oaxacana

An ornamental dent corn with greenish kernels, marketed by Jung Quality Seed.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**45**
Grain Moisture at Harvest, %	**29.3**
Unpollinated Ears, number / 100 plants	**7**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**72**
Root Lodging, %	**11**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**60**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**72**
Ear Height, inches		**35**
Pollen Shed, days to first anthers		**69**
Silking, days to first silks		**72**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**0.9**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**11**
Kernel Color	**Mixed**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2004, Harford 2003)

Greenfield 114

An open-pollinated corn developed by Greenfield Farms in Ohio. Its genetic origins are unknown.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**92**
Grain Moisture at Harvest, %	**30.3**
Unpollinated Ears, number / 100 plants	**10**
Barren Plants, number / 100 plants	**1**
Smutted Ears, number / 100 plants	**3**
Stalk Lodging, %	**37**
Root Lodging, %	**14**
Early Plant Vigor, 1-5 scale	**2**
Stewart's Wilt Reaction, 1-5 scale	**2.3**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**20,000**

Data from seven NY environments (Aurora in 2002 and 2003; Kingston in 2002, 2003, and 2004; and Pittsford in 2002 and 2004)

Plant Characteristics

Tillers, number / 100 plants		**40**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**96**
Ear Height, inches		**51**
Pollen Shed, days to first anthers		**73**
Silking, days to first silks		**75**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.7**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Henry Moore

A dent variety produced by Borries Open Pollinated Seed Corn Farm.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**73**
Grain Moisture at Harvest, %	**31.5**
Unpollinated Ears, number / 100 plants	**12**
Barren Plants, number / 100 plants	**3**
Smutted Ears, number / 100 plants	**8**
Stalk Lodging, %	**50**
Root Lodging, %	**17**
Stewart's Wilt Reaction, 1-5 scale	**1.3**
Anthracnose Leaf Blight Reaction, 1-5	**1.7**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2002 and 2003 and Kingston 2002 and 2003)

Plant Characteristics

Tillers, number / 100 plants		**80**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**91**
Ear Height, inches		**56**
Pollen Shed, days to first anthers		**75**
Silking, days to first silks		**79**

Data from two NY environments (Aurora 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**5.9**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**12**
Kernel Color	**Yellow**
Cob Color	**Most Red, Few White**

Data from two NY environments (Aurora 2002 and 2003)

Hickory King

An old variety developed by a Virginia farmer.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**91**
Grain Moisture at Harvest, %	**33.7**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**39**
Root Lodging, %	**27**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**110**
Number of leaves	**Total**	**22**
	Above Ear	**5**
Plant Height, inches		**113**
Ear Height, inches		**67**
Pollen Shed, days to first anthers		**82**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**8.0**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**9**
Kernel Color	**Cream**
Cob Color	**White**

Data from one NY environment (Aurora 2004)

Hopi Blue Flour

A variety with deep blue colored kernels that traces its origins to the Native Americans of northern Arizona.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**39**
Grain Moisture at Harvest, %	**30.7**
Unpollinated Ears, number / 100 plants	**10**
Barren Plants, number / 100 plants	**5**
Stalk Lodging, %	**56**
Root Lodging, %	**22**
Early Plant Vigor, 1-5 scale	**2**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Anthracnose Leaf Blight Reaction, 1-5	**4.3**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**210**
Number of leaves	**Total**	**19**
	Above Ear	**5**
Plant Height, inches		**90**
Ear Height, inches		**40**
Pollen Shed, days to first anthers		**73**
Silking, days to first silks		**77**

Data from two NY environments (Aurora 2003 and 2004)

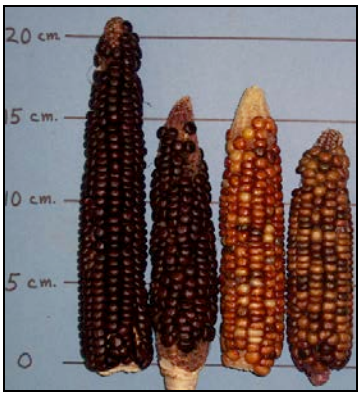
Ear and Kernel Characteristics

Ear Length, inches	**6.0**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**11**
Kernel Color	**Blue**
Cob Color	**White**

Data from two NY environments (Aurora 2003 and 2004)

Indian or Rainbow

An ornamental corn from Jung Quality Seeds.



Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**48**
Grain Moisture at Harvest, %	**30.5**
Unpollinated Ears, number / 100 plants	**8**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**61**
Root Lodging, %	**17**
Early Plant Vigor, 1-5 scale	**2**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Anthracnose Leaf Blight Reaction, 1-5	**4.0**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**180**
Number of leaves	**Total**	**18**
	Above Ear	**5**
Plant Height, inches		**89**
Ear Height, inches		**40**
Pollen Shed, days to first anthers		**70**
Silking, days to first silks		**75**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.6**
Ear Diameter, inches	**1.5**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**12**
Kernel Color	**Multi-colored**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2003 and 2004)

Iroquois White

A white flour corn native to the northeastern US.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**44**
Grain Moisture at Harvest, %	**29.9**
Unpollinated Ears, number / 100 plants	**8**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**70**
Root Lodging, %	**8**
Stewart's Wilt Reaction, 1-5 scale	**5**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Bliss 2002, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**260**
Number of leaves	**Total**	**16**
	Above Ear	**6**
Plant Height, inches		**70**
Ear Height, inches		**25**
Pollen Shed, days to first anthers		**64**
Silking, days to first silks		**66**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.4**
Ear Diameter, inches	**1.4**
Cob Diameter, inches	**0.9**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**8**
Kernel Color	**White**
Cob Color	**White**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

J. Reid

A version of Reid's Yellow Dent for which seed is produced by Vaughn Emo in Avoca, New York.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**72**
Grain Moisture at Harvest, %	**30.3**
Unpollinated Ears, number / 100 plants	**6**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**31**
Root Lodging, %	**13**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**80**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**89**
Ear Height, inches		**42**
Pollen Shed, days to first anthers		**75**
Silking, days to first silks		**78**

Data from two NY environments (Aurora in 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.9**
Ear Diameter, inches	**1.8**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.7**
Kernel Rows, number / ear	**19**
Kernel Color	**Yellow**
Cob Color	**Segregating**

Data from two NY environments (Aurora 2004, Harford 2003)

Kalidia Ornamental Flint

A multi-colored, hard-kernelled corn used primarily for ornamental purposes.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**63**
Grain Moisture at Harvest, %	**31.2**
Unpollinated Ears, number / 100 plants	**5**
Barren Plants, number / 100 plants	**4**
Stalk Lodging, %	**56**
Root Lodging, %	**11**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**220**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**92**
Ear Height, inches		**45**
Pollen Shed, days to first anthers		**73**
Silking, days to first silks		**75**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.8**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**12**
Kernel Color	**Multi-colored**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2003 and 2004)

Krug

An old variety originally derived from Reid Yellow Dent (Iowa and Illinois strains) and Goldmine; seed from Green Haven Open Pollinated Seed, Avoca, NY.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**85**
Grain Moisture at Harvest, %	**29.0**
Unpollinated Ears, number / 100 plants	**22**
Barren Plants, number / 100 plants	**3**
Smutted Ears, number / 100 plants	**4**
Stalk Lodging, %	**54**
Root Lodging, %	**11**
Early Plant Vigor, 1-5 scale	**1**
Stewart's Wilt Reaction, 1-5 scale	**2.5**
Anthracnose Leaf Blight Reaction, 1-5	**2.7**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2002, Kingston 2002, and Pittsford 2002)

Plant Characteristics

Tillers, number / 100 plants		**90**
Number of leaves	**Total**	**21**
	Above Ear	**6**
Plant Height, inches		**90**
Ear Height, inches		**47**
Pollen Shed, days to first anthers		**75**
Silking, days to first silks		**77**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.3**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Krug's 90-Day

A version of the variety Krug (which originates from Reid Yellow Dent); seed produced by Borries Open Pollinated Seed Corn Farm in Teutopolis, IL.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**89**
Grain Moisture at Harvest, %	**29.8**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**46**
Root Lodging, %	**19**
Early Plant Vigor, 1-5 scale	**4**
Stewart's Wilt Reaction, 1-5 scale	**2.0**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**20,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**21**
	Above Ear	**6**
Plant Height, inches		**95**
Ear Height, inches		**56**
Pollen Shed, days to first anthers		**74**
Silking, days to first silks		**80**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.7**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Kucyk Early RX

A variety bred by Victor Kucyk in Ontario, Canada.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**45**
Grain Moisture at Harvest, %	**28.2**
Unpollinated Ears, number / 100 plants	**5**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**63**
Root Lodging, %	**3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Aurora 2003 and Pike 2003)

Plant Characteristics

Tillers, number / 100 plants		**140**
Number of leaves	**Total**	**15**
	Above Ear	**5**
Plant Height, inches		**66**
Ear Height, inches		**25**
Pollen Shed, days to first anthers		**65**
Silking, days to first silks		**67**

Data from two NY environments (Aurora in 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.6**
Ear Diameter, inches	**1.4**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**11**
Kernel Color	**Mixed**
Cob Color	**Mixed**

Data from two NY environments (Aurora 2004, Harford 2003)

Lancaster Sure Crop

A version of this classic old variety marketed by R.H. Shumway's.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**71**
Grain Moisture at Harvest, %	**32.7**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**71**
Root Lodging, %	**11**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**60**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**122**
Ear Height, inches		**70**
Pollen Shed, days to first anthers		**80**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**7.5**
Ear Diameter, inches	**1.8**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from one NY environment (Aurora 2004)

Lancaster Surecrop

A version of this classic old variety produced by Green Haven Open Pollinated Seed Group in Avoca, NY.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**43**
Grain Moisture at Harvest, %	**33.3**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**43**
Root Lodging, %	**0**
Stewart's Wilt Reaction, 1-5 scale	**2.1**
Anthracnose Leaf Blight Reaction, 1-5	**2.0**
Approximate Plant Density, plants/A	**20,000**

Data from one NY environment (Kingston 2002)

Plant Characteristics

Tillers, number / 100 plants		**130**
Number of leaves	**Total**	**22**
	Above Ear	**7**
Plant Height, inches		**89**
Ear Height, inches		**51**
Pollen Shed, days to first anthers		**77**
Silking, days to first silks		**82**

Data from two NY environments (Aurora 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**7.2**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2002 and 2003)

Longfellow

An old eight-rowed flint variety from New England.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**32**
Grain Moisture at Harvest, %	**29.7**
Unpollinated Ears, number / 100 plants	**15**
Barren Plants, number / 100 plants	**4**
Stalk Lodging, %	**56**
Root Lodging, %	**8**
Stewart's Wilt Reaction, 1-5 scale	**3.4**
Anthracnose Leaf Blight Reaction, 1-5	**3.3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Aurora 2002 and 2003)

Plant Characteristics

Tillers, number / 100 plants		**170**
Number of leaves	**Total**	**18**
	Above Ear	**5**
Plant Height, inches		**80**
Ear Height, inches		**41**
Pollen Shed, days to first anthers		**69**
Silking, days to first silks		**74**

Data from two NY environments (Aurora 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**7.3**
Ear Diameter, inches	**1.2**
Cob Diameter, inches	**0.9**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**8**
Kernel Color	**Yellow**
Cob Color	**White**

Data from two NY environments (Aurora 2002 and 2003)

Longfellow/73118

A varietal hybrid produced by crossing the variety Longfellow with an inbred line 73118 from the Cornell University breeding program.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**89**
Grain Moisture at Harvest, %	**24.3**
Unpollinated Ears, number / 100 plants	**22**
Barren Plants, number / 100 plants	**5**
Stalk Lodging, %	**67**
Root Lodging, %	**0**
Stewart's Wilt Reaction, 1-5 scale	**4.3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Aurora 2002 and Kingston 2002)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**18**
	Above Ear	**5**
Plant Height, inches		**63**
Ear Height, inches		**35**
Pollen Shed, days to first anthers		**63**
Silking, days to first silks		**68**

Data from one NY environment (Aurora 2002)

Ear and Kernel Characteristics

Ear Length, inches	**7.2**
Ear Diameter, inches	**1.4**
Cob Diameter, inches	**0.9**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**11**
Kernel Color	**Yellow**
Cob Color	**Most Red, Few White**

Data from one NY environment (Aurora 2002)

Minnesota 13

An old variety that traces back to Pride of the North.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**69**
Grain Moisture at Harvest, %	**29.0**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**44**
Root Lodging, %	**8**
Stewart's Wilt Reaction, 1-5 scale	**3.3**
Rust Reaction, 1-5 scale	**2.8**
Approximate Plant Density, plants/A	**20,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**17**
	Above Ear	**5**
Plant Height, inches		**72**
Ear Height, inches		**36**
Pollen Shed, days to first anthers		**68**
Silking, days to first silks		**69**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.9**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

NDSAB

A corn population developed at North Dakota State University from crosses between two other North Dakota populations.

Grain Production

Grain Yield, bu/A at 15.5% moisture	**83**
Grain Moisture at Harvest, %	**27.1**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**38**
Root Lodging, %	**3**
Stewart's Wilt Reaction, 1-5 scale	**3.8**
Rust Reaction, 1-5 scale	**3.0**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**10**
Number of leaves	**Total**	**17**
	Above Ear	**6**
Plant Height, inches		**70**
Ear Height, inches		**32**
Pollen Shed, days to first anthers		**64**
Silking, days to first silks		**68**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.7**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**16**
Kernel Color	**Segregating**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

NDSM

A corn population developed at North Dakota State University from a mixture of 13 inbred lines.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**76**
Grain Moisture at Harvest, %	**27.7**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**54**
Root Lodging, %	**7**
Stewart's Wilt Reaction, 1-5 scale	**3.5**
Rust Reaction, 1-5 scale	**2.7**
Approximate Plant Density, plants/A	**28,000**

Data from four NY environments (Aurora 2003, Bliss 2002, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**10**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**71**
Ear Height, inches		**34**
Pollen Shed, days to first anthers		**66**
Silking, days to first silks		**67**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.4**
Kernel Rows, number / ear	**16**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Nokomis Gold

A yellow dent variety bred at the Michael Fields Agriculture Institute in Wisconsin, and still being improved by further breeding.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**87**
Grain Moisture at Harvest, %	**31.5**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**30**
Root Lodging, %	**8**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Rust Reaction, 1-5 scale	**1.5**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**81**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**72**
Silking, days to first silks		**75**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Northwestern Dent

An old open-pollinated variety originally selected in North Dakota from Bloody Butcher.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**55**
Grain Moisture at Harvest, %	**29.5**
Unpollinated Ears, number / 100 plants	**6**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**81**
Root Lodging, %	**10**
Stewart's Wilt Reaction, 1-5 scale	**5.0**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Bliss 2002, Pike 2003, and Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**17**
	Above Ear	**6**
Plant Height, inches		**70**
Ear Height, inches		**30**
Pollen Shed, days to first anthers		**63**
Silking, days to first silks		**68**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

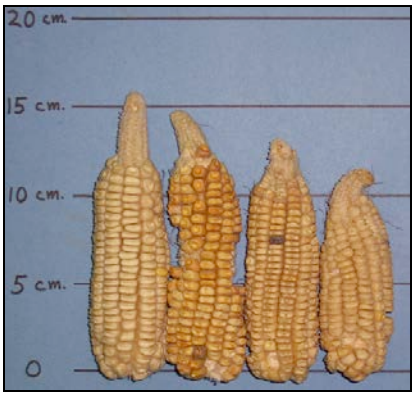
Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**13**
Kernel Color	**Brown**
Cob Color	**White**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Pride of Saline

An old variety that originated in Kansas.



Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**53**
Grain Moisture at Harvest, %	**31.9**
Unpollinated Ears, number / 100 plants	**6**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**55**
Root Lodging, %	**18**
Early Plant Vigor, 1-5 scale	**2**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Kingston 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**50**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**102**
Ear Height, inches		**60**
Pollen Shed, days to first anthers		**82**
Silking, days to first silks		**84**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**13**
Kernel Color	**White**
Cob Color	**White**

Data from two NY environments (Aurora 2003 and 2004)

OLCN/ORCN

A Cornell varietal hybrid, made by crossing a Lancaster-related population with a Stiff Stalk-related population, both selected under conventional management.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**83**
Grain Moisture at Harvest, %	**28.6**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**23**
Root Lodging, %	**5**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Anthracnose Leaf Blight Reaction, 1-5	**2.3**
Approximate Plant Density, plants/A	**28,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**20**
	Above Ear	**7**
Plant Height, inches		**86**
Ear Height, inches		**35**
Pollen Shed, days to first anthers		**71**
Silking, days to first silks		**75**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.6**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Most Red, Few White**

Data from two NY environments (Aurora 2003 and 2004)

OLIS/ORIS

A Cornell varietal hybrid, made by crossing a Lancaster-related population with a Stiff Stalk-related population, both selected under interseeding with red clover.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**68**
Grain Moisture at Harvest, %	**29.8**
Unpollinated Ears, number / 100 plants	**6**
Barren Plants, number / 100 plants	**3**
Stalk Lodging, %	**49**
Root Lodging, %	**7**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.0**
Anthracnose Leaf Blight Reaction, 1-5	**3.3**
Approximate Plant Density, plants/A	**28,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**82**
Ear Height, inches		**37**
Pollen Shed, days to first anthers		**72**
Silking, days to first silks		**75**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.8**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2003 and 2004)

OLNT/ORNT

A Cornell varietal hybrid, made by crossing a Lancaster-related population with a Stiff Stalk-related population, both selected under a no-till management system.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**84**
Grain Moisture at Harvest, %	**29.5**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**29**
Root Lodging, %	**9**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**1.3**
Anthracnose Leaf Blight Reaction, 1-5	**3.7**
Approximate Plant Density, plants/A	**28,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**88**
Ear Height, inches		**40**
Pollen Shed, days to first anthers		**72**
Silking, days to first silks		**74**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.4**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Most Red, Some White**

Data from two NY environments (Aurora 2003 and 2004)

OL0N/OR0N

A Cornell varietal hybrid, made by crossing a Lancaster-related population with a Stiff Stalk-related population, both selected under reduced nitrogen fertilizer rates.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**90**
Grain Moisture at Harvest, %	**28.7**
Unpollinated Ears, number / 100 plants	**5**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**36**
Root Lodging, %	**9**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Anthracnose Leaf Blight Reaction, 1-5	**4.0**
Approximate Plant Density, plants/A	**28,000**

Data from four NY environments (Aurora 2003, Kingston 2003 and 2004, and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**85**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**69**
Silking, days to first silks		**72**

Data from two NY environments (Aurora 2003 and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.5**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**13**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2003 and 2004)

PA Plant Pathology Composite (GLS) (LD)

A version of the PA Plant Pathology Composite that has gray leaf spot resistance and low disease, from The Pennsylvania State University.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**113**
Grain Moisture at Harvest, %	**32.1**
Unpollinated Ears, number / 100 plants	**0**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**20**
Root Lodging, %	**1**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**28,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**0**
Number of leaves	**Total**	**21**
	Above Ear	**6**
Plant Height, inches		**96**
Ear Height, inches		**48**
Pollen Shed, days to first anthers		**74**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.3**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Mixed**

Data from one NY environment (Aurora 2004)

PA Syn. ARSC1

A synthetic developed by breeders at The Pennsylvania State University.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**70**
Grain Moisture at Harvest, %	**29.8**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**57**
Root Lodging, %	**21**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**28,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**90**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**81**
Ear Height, inches		**35**
Pollen Shed, days to first anthers		**67**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**13**
Kernel Color	**Yellow**
Cob Color	**Mixed**

Data from one NY environment (Aurora 2004)

PA Virus Resistant Early Synthetic H5

A synthetic derived from crosses among early maturing and virus resistant materials, from The Pennsylvania State University.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**52**
Grain Moisture at Harvest, %	**30.8**
Unpollinated Ears, number / 100 plants	**5**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**42**
Root Lodging, %	**11**
Early Plant Vigor, 1-5 scale	**2**
Approximate Plant Density, plants/A	**28,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**74**
Ear Height, inches		**31**
Pollen Shed, days to first anthers		**67**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**5.2**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow, Some White**
Cob Color	**Mixed**

Data from one NY environment (Aurora 2004)

Rainbow Flint

A multi-colored corn used primarily for ornamental purposes, marketed by Albert Lea Seed House in Albert Lea, MN.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**68**
Grain Moisture at Harvest, %	**29.9**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**68**
Root Lodging, %	**19**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**240**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**95**
Ear Height, inches		**47**
Pollen Shed, days to first anthers		**71**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.3**
Ear Diameter, inches	**1.5**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**12**
Kernel Color	**Multi-colored**
Cob Color	**Mixed**

Data from one NY environment (Aurora 2004)

Rainbow Indian

A multi-colored corn used mostly for ornamental purposes, marketed by R.H. Shumway's.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**60**
Grain Moisture at Harvest, %	**32.6**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**59**
Root Lodging, %	**23**
Early Plant Vigor, 1-5 scale	**4**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**260**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**106**
Ear Height, inches		**56**
Pollen Shed, days to first anthers		**75**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.9**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**13**
Kernel Color	**Multi-colored**
Cob Color	**Mixed**

Data from one NY environment (Aurora 2004)

Reid's Yellow Dent - Borries

A classic old variety; this version is from seed marketed by Borries Open Pollinated Seed Corn Farm.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**79**
Grain Moisture at Harvest, %	**32.5**
Unpollinated Ears, number / 100 plants	**8**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**43**
Root Lodging, %	**30**
Stewart's Wilt Reaction, 1-5 scale	**2.0**
Anthracnose Leaf Blight Reaction, 1-5	**2.7**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003 and Kingston 2002 and 2003)

Plant Characteristics

Tillers, number / 100 plants		**60**
Number of leaves	**Total**	**22**
	Above Ear	**7**
Plant Height, inches		**87**
Ear Height, inches		**56**
Pollen Shed, days to first anthers		**78**
Silking, days to first silks		**84**

Data from two NY environments (Aurora 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**5.4**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2002 and 2003)

Reid's Yellow Dent - Kucyk

A version of Reid's Yellow Dent that has been improved by Victor Kucyk in Ontario, Canada.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**83**
Grain Moisture at Harvest, %	**31.1**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**31**
Root Lodging, %	**11**
Stewart's Wilt Reaction, 1-5 scale	**2.7**
Rust Reaction, 1-5 scale	**2.3**
Approximate Plant Density, plants/A	**20,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**85**
Ear Height, inches		**40**
Pollen Shed, days to first anthers		**70**
Silking, days to first silks		**72**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**7.2**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**16**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Reid's Yellow Dent - Lea

A version of Reid's Yellow Dent sold by Albert Lea Seed House.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**82**
Grain Moisture at Harvest, %	**30.3**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**30**
Root Lodging, %	**11**
Stewart's Wilt Reaction, 1-5 scale	**3.5**
Rust / Anthracnose Leaf Blight Reaction, 1-5	**2.8**
Approximate Plant Density, plants/A	**20,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**19**
	Above Ear	**6**
Plant Height, inches		**81**
Ear Height, inches		**39**
Pollen Shed, days to first anthers		**71**
Silking, days to first silks		**74**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**18**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from two NY environments (Aurora 2002 and 2004)

Reid's Yellow Dent - Shumway

A classic old variety; this version is from seed marketed by R.H. Shumway's.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**92**
Grain Moisture at Harvest, %	**30.7**
Unpollinated Ears, number / 100 plants	**8**
Barren Plants, number / 100 plants	**3**
Smutted Ears, number / 100 plants	**3**
Stalk Lodging, %	**44**
Root Lodging, %	**16**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.5**
Anthracnose Leaf Blight Reaction, 1-5	**3.0**
Approximate Plant Density, plants/A	**20,000**

Data from six NY environments (Aurora 2002 and 2003, Kingston 2003 and 2004, and Pittsford 2002 and 2004)

Plant Characteristics

Tillers, number / 100 plants		**40**
Number of leaves	**Total**	**21**
	Above Ear	**6**
Plant Height, inches		**92**
Ear Height, inches		**50**
Pollen Shed, days to first anthers		**75**
Silking, days to first silks		**79**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**16**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Reid V

A version of Reid's Yellow Dent for which seed is sold by Vaughn Emo in Avoca, New York.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**83**
Grain Moisture at Harvest, %	**31.5**
Unpollinated Ears, number / 100 plants	**4**
Barren Plants, number / 100 plants	**2**
Stalk Lodging, %	**30**
Root Lodging, %	**11**
Stewart's Wilt Reaction, 1-5 scale	**3.2**
Rust Reaction, 1-5 scale	**1.7**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Bliss 2002, Harford 2003)

Plant Characteristics

Tillers, number / 100 plants		**50**
Number of leaves	**Total**	**20**
	Above Ear	**6**
Plant Height, inches		**85**
Ear Height, inches		**42**
Pollen Shed, days to first anthers		**72**
Silking, days to first silks		**76**

Data from two NY environments (Aurora 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**6.6**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**17**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from Aurora 2002

Silver King

Also known as Wisconsin No. 7, this variety originated from Illinois and was developed by an Iowa farmer.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**98**
Grain Moisture at Harvest, %	**33.1**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**51**
Root Lodging, %	**36**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**120**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**113**
Ear Height, inches		**69**
Pollen Shed, days to first anthers		**82**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**4.8**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**12**
Kernel Color	**White and Cream**
Cob Color	**White**

Data from one NY environment (Aurora 2004)

Silver Mine

A creamy-white colored variety developed originally by an Illinois farmer.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**92**
Grain Moisture at Harvest, %	**33.6**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**39**
Root Lodging, %	**13**
Early Plant Vigor, 1-5 scale	**2**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**120**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**106**
Ear Height, inches		**57**
Pollen Shed, days to first anthers		**79**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**13**
Kernel Color	**Cream**
Cob Color	**White**

Data from one NY environment (Aurora 2004)

Truckers Favorite White

A creamy white, slightly dented corn that some like to eat fresh as roasted ears, marketed by R.H. Shumway's.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**120**
Grain Moisture at Harvest, %	**32.3**
Unpollinated Ears, number / 100 plants	**0**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**45**
Root Lodging, %	**12**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**60**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**103**
Ear Height, inches		**55**
Pollen Shed, days to first anthers		**81**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.0**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**13**
Kernel Color	**Cream**
Cob Color	**Red**

Data from one NY environment (Aurora 2004)

Truckers Favorite Yellow

A yellow version of the Truckers Favorite White that is marketed by R.H. Shumway's .

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**66**
Grain Moisture at Harvest, %	**32.7**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**68**
Root Lodging, %	**11**
Early Plant Vigor, 1-5 scale	**3**
Approximate Plant Density, plants/A	**20,000**

Data from two NY environments (Kingston 2004 and Pittsford 2004)

Plant Characteristics

Tillers, number / 100 plants		**120**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**115**
Ear Height, inches		**70**
Pollen Shed, days to first anthers		**80**

Data from one NY environment (Aurora 2004)

Ear and Kernel Characteristics

Ear Length, inches	**7.0**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from one NY environment (Aurora 2004)

Truckers Yellow

A yellow dent corn that some like to eat green as roasting ears.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**81.5**
Grain Moisture at Harvest, %	**31.9**
Unpollinated Ears, number / 100 plants	**13**
Barren Plants, number / 100 plants	**3**
Smutted Ears, number / 100 plants	**6**
Stalk Lodging, %	**62**
Root Lodging, %	**10**
Early Plant Vigor, 1-5 scale	**3**
Stewart's Wilt Reaction, 1-5 scale	**2.5**
Anthracnose Leaf Blight Reaction, 1-5	**3.7**
Approximate Plant Density, plants/A	**20,000**

Data from six NY environments (Aurora 2002 and 2003, Kingston 2003 and 2004, and Pittsford 2002 and 2004)

Plant Characteristics

Tillers, number / 100 plants		**70**
Number of leaves	**Total**	**22**
	Above Ear	**6**
Plant Height, inches		**98**
Ear Height, inches		**57**
Pollen Shed, days to first anthers		**77**
Silking, days to first silks		**79**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**14**
Kernel Color	**Yellow**
Cob Color	**Red**

Data from three NY environments (Aurora 2002, 2003, and 2004)

Wapsie Valley – Green Haven

A version of the Wapsie Valley variety; seed produced by Vaughn Emo in Avoca, NY.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**86**
Grain Moisture at Harvest, %	**28.6**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**37**
Root Lodging, %	**7**
Stewart's Wilt Reaction, 1-5 scale	**3.5**
Rust Reaction, 1-5 scale	**3.2**
Approximate Plant Density, plants/A	**20,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**81**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**68**
Silking, days to first silks		**69**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.1**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.5**
Kernel Rows, number / ear	**15**
Kernel Color	**Mixed**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Wapsie Valley - FedCo

A version of the Wapsie Valley variety; seed marketed by FedCo.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**79**
Grain Moisture at Harvest, %	**28.2**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**0**
Stalk Lodging, %	**32**
Root Lodging, %	**8**
Stewart's Wilt Reaction, 1-5 scale	**3.0**
Rust Reaction, 1-5 scale	**2.0**
Approximate Plant Density, plants/A	**20,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**40**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**81**
Ear Height, inches		**38**
Pollen Shed, days to first anthers		**66**
Silking, days to first silks		**68**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.7**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.2**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Mixed**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Wapsie Valley High Density

A version of Wapsie Valley selected by Victor Kucyk in Ontario, Canada for improved performance at high density.

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**103**
Grain Moisture at Harvest, %	**29.0**
Unpollinated Ears, number / 100 plants	**1**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**41**
Root Lodging, %	**11**
Stewart's Wilt Reaction, 1-5 scale	**3.8**
Rust Reaction, 1-5 scale	**2.8**
Approximate Plant Density, plants/A	**28,000**

Data from five NY environments (Aurora 2003, Bliss 2002, Harford 2003, Pike 2003, Sackets Harbor 2004)

Plant Characteristics

Tillers, number / 100 plants		**30**
Number of leaves	**Total**	**18**
	Above Ear	**6**
Plant Height, inches		**82**
Ear Height, inches		**40**
Pollen Shed, days to first anthers		**67**
Silking, days to first silks		**70**

Data from three NY environments (Aurora in 2002, 2003, and 2004)

Ear and Kernel Characteristics

Ear Length, inches	**6.2**
Ear Diameter, inches	**1.7**
Cob Diameter, inches	**1.1**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**15**
Kernel Color	**Mixed**
Cob Color	**Red**

Data from three NY environments (Aurora in 2002 and 2004, Harford 2003)

Wisconsin 25

An old open-pollinated variety derived from Minnesota 13 and Early Yellow Dent from Michigan

Grain Yield Trial Data

Grain Yield, bu/A at 15.5% moisture	**54**
Grain Moisture at Harvest, %	**27.8**
Unpollinated Ears, number / 100 plants	**3**
Barren Plants, number / 100 plants	**1**
Stalk Lodging, %	**53**
Root Lodging, %	**8**
Stewart's Wilt Reaction, 1-5 scale	**4.7**
Rust Reaction, 1-5 scale	**2.5**
Approximate Plant Density, plants/A	**20,000**

Data from three NY environments (Aurora 2003, Bliss 2002, Pike 2003)

Plant Characteristics

Tillers, number / 100 plants		**20**
Number of leaves	**Total**	**16**
	Above Ear	**5**
Plant Height, inches		**70**
Ear Height, inches		**30**
Pollen Shed, days to first anthers		**62**
Silking, days to first silks		**64**

Data from two NY environments (Aurora in 2002 and 2003)

Ear and Kernel Characteristics

Ear Length, inches	**5.5**
Ear Diameter, inches	**1.6**
Cob Diameter, inches	**1.0**
Kernel Depth, inches	**0.6**
Kernel Rows, number / ear	**13**
Kernel Color	**Yellow**
Cob Color	**Red to Dark Red**

Data from Aurora 2002