
2002
WEST VIRGINIA
HYBRID CORN TRIALS

Circular 170
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Agricultural and
Forestry Experiment Station
West Virginia University

AUTHOR

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**WEST VIRGINIA UNIVERSITY
AGRICULTURAL AND FORESTRY EXPERIMENT STATION
DAVIS COLLEGE OF AGRICULTURE, FORESTRY, AND CONSUMER SCIENCES
CAMERON R. HACKNEY, DIRECTOR
MORGANTOWN**

2002 West Virginia Hybrid Corn Trials

Corn-grain yield trials were planted at Kearneysville, Morgantown, Reedsville, and Wardensville in late May 2002. Hybrid seed was donated by the companies listed at the end of this circular. Two trials were planted at each location, one containing early and the other late maturing hybrids. Selection of hybrid entries for each trial was based upon the length of growing season at a location, company assigned maturity data, and previous performance of hybrids at the trial locations.

Planting in 2002 was delayed 3 to 4 weeks beyond the normal planting time because of the cool, wet spring. The combination of late planting and an unfavorable growing season resulted in yields lower than usual. Yields of all hybrids at Kearneysville, Morgantown, and Wardensville averaged 66.2, 156.5, and 109.9 bushels per acre, respectively. Average per acre yields of the five top-yielding hybrids in trials at each location were 79.4, 177.4, and 133.0 bushels, respectively. The State average grain yield was 105 bushels per acre, down 15 bushels from 2001. The trials at Reedsville were abandoned because of excessive wildlife damage. During 2002, no other corn was planted at the Reedsville Experimental Farm, thus wildlife, both mammals and birds, congregated at the trial site.

Although, rainfall was above normal at all trial locations in 2002 there were periods of time when corn was under drought stress because of uneven rainfall distribution. May temperatures averaged 2.3 F degrees below normal and rainfall was 36% above normal. At Kearneysville, a very dry June and early July followed the wet May. Between June 15 and July 8 temperatures were above normal and only 0.2 of an inch of rain fell. August and September rainfall was below normal at Morgantown and temperatures were above normal. Wardensville, which is usually the driest of the trial locations, received 146% of normal rainfall from May through October. Parts of the plot area at Wardensville were under water for short periods of time.

At all locations, corn was planted by hand in conventionally tilled plots in a randomized complete block design. Four replications of each hybrid were planted. Plots consisted of two rows 12.5 feet long and 30 inches apart. Plots were overplanted and thinned to target populations of 20,900 plants per acre at Kearneysville and Wardensville and 25,090 plants per acre at Morgantown.

Grain yields were determined by harvesting each plot by hand and weighing the ear corn. A composite moisture sample was taken for each hybrid by collecting four random ears from each replication and shelling two to four rows of grain from each ear. Grain moisture was measured with an electronic moisture tester. Yields were calculated and reported on the basis of 15.5% moisture. Erect

and lodged plants were counted at all locations. Plant stalks leaning more than 30 degrees from the vertical and/or broken below the ear were considered lodged.

Fertilizers and herbicides were applied as indicated in the data tables for each location. Fertilizer rates are in pounds of N, P₂O₅, and K₂O per acre. The herbicide rates are also in amount of product per acre. Weed control was good with greater than 95% bare ground at all locations. For Kearneysville and Morgantown, data from 2001 and 2002 were combined for the two-year averages and from 2000, 2001 and 2002 for the three-year averages. Trials at Wardensville were not harvested in 2001; therefore, data from 2000 were included in two-year averages and from 1999 in three-year averages.

The least significant difference (L.S.D. 0.05) at the bottom of the yield tables can be used to compare hybrid performance. If yields of two hybrids differ by more than the indicated L.S.D. 0.05, the odds are 19:1 that the yields of the two hybrids are different. The coefficients of variability (CV%) are measures of variability in the trials. Coefficients of variability below 10% are desirable.

In addition to yield, percent moisture and percent erect plants should also be considered when selecting a corn hybrid. Low moisture at harvest reduces grain spoilage, and a high percentage of erect stalks allow for more efficient harvesting and higher grain quality. Readers are cautioned that the 2002 data are valid only for conditions occurring in that growing season. Standard deviations, indicated by a \pm sign, are given for multiple-year averages. These give a measure of the environmental, biological (including wildlife damage), and cultural variation from year to year. Low yields as a result of drought conditions in 1999 and 2002, resulted in high standard deviations for some multiple-year averages.

2002 WEATHER DATA FOR TRIAL LOCATIONS*

	Kearneysville		Morgantown		Wardensville	
Elevation (feet)	550		1240		960	
Normal Growing Degree Days, Base 50°F (May–October)	2938		2898		2703	
2002 Growing Degree Days, Base 50°F (May–October)	3175		3088		2862	
2002 Average Daily Temperatures (°F) and Departures from Normal						
May	60.2	-3.0	59.2	-2.1	59.2	-0.9
June	71.4	-0.5	70.8	1.4	69.5	0.5
July	75.6	-1.0	75.2	1.7	73.4	-0.1
August	74.8	0.1	73.6	1.5	72.3	1.6
September	67.3	0.0	68.2	2.4	66.6	2.5
October	52.9	-2.6	53.0	-1.4	54.6	2.4
2002 Rainfall (inches) and Percentages of Normal						
		%		%		%
May	5.65	135	5.25	120	5.76	154
June	1.89	54	5.04	125	4.57	146
July	5.19	139	5.99	141	6.92	166
August	2.68	79	2.70	68	2.88	83
September	4.26	121	2.69	80	3.73	130
October	4.04	119	3.61	126	3.17	151
Period	23.71	109	25.28	111	27.03	146

*Sources of data:

Climatological Data, U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA).

Unpublished data collected by weather observers at or near respective trial locations.

KEARNEYSVILLE
EARLY MIDSEASON
CORN GRAIN—2002

BRAND/HYBRID	YIELD BU/A*	PERCENT MOISTURE	PERCENT ERECT PLANTS	POPULATION PLANTS/ACRE (1000'S)
PIONEER HYBRID 34B23	82	19.2	86	19.0
PIONEER HYBRID 34M94	81	18.4	87	21.3
SEED CONSULTANTS SC1118	78	18.7	86	20.2
AGWAY AG6001	78	17.4	80	19.2
DOEBLERS 636XY	74	18.8	88	19.7
DEKALB DK537	74	18.1	73	20.2
DOEBLERS 529X	72	18.4	87	19.0
SEED CONSULTANTS SC1082	71	19.8	83	20.6
PIONEER HYBRID 35P12	71	18.2	79	20.6
PIONEER HYBRID 36N71	71	17.8	84	19.7
AGWAY AG6191	70	17.7	76	20.9
DOEBLERS 509X	70	17.4	87	19.2
AGWAY AG5519	67	18.4	76	18.5
SEED CONSULTANTS SC1070	67	20.0	79	20.0
SEED CONSULTANTS SC1091	67	18.5	85	18.5
SEED CONSULTANTS SC10B93	67	19.2	74	19.9
DEKALB DKC56-71	65	17.9	69	20.9
SOUTHERN STATES SS710	64	17.3	75	19.9
SEED CONSULTANTS SCX108	64	19.2	83	19.2
DEKALB DKC53-32	63	17.6	82	19.5
SEED CONSULTANTS SC1072	63	18.4	85	20.0
DOEBLERS 596XY	63	18.0	88	20.0
SOUTHERN STATES SS720RR	63	20.8	68	17.9
DOEBLERS 583XYG	62	18.4	79	20.6
SEED CONSULTANTS SC1068	61	19.1	84	20.6
SOUTHERN STATES SS576	61	17.9	79	19.5
SEED CONSULTANTS SC1092	61	19.2	76	20.7
DOEBLERS HC350	59	18.1	82	18.3
ASGROW RX634	59	17.4	79	20.2
DEKALB DK567	58	18.8	72	19.0
MEANS:	67.5	18.5	80.3	19.8
L.S.D. (0.05):	13.2	—	15.7	2.8
C.V.%:	14.0	—	14.0	10.1

*BASED ON 15.5% MOISTURE

PLANTED: MAY 24

HARVESTED: NOVEMBER 1

FERTILIZER: 160-50-108 (LB/ACRE OF N, P₂O₅, AND K₂O, RESPECTIVELY)

HERBICIDES: 2.5 QTS BICEP MAGNUM + 0.05 LB PYTHON 80WDG/ACRE

SOIL: HAGERSTOWN SILT LOAM (FINE, MIXED, SEMIACTIVE, MESIC TYPIC HAPLUDALFS)

KEARNEYSVILLE
LATE MIDSEASON
CORN GRAIN—2002

BRAND/HYBRID	YIELD BU/A*	PERCENT MOISTURE	PERCENT ERECT PLANTS	POPULATION PLANTS/ACRE (1000'S)
DOEBLERS 749XYG	84	21.6	97	18.6
PIONEER HYBRID 33J56	84	20.4	86	20.6
DOEBLERS HC560	80	19.0	78	18.8
SEED CONSULTANTS SC11B23	79	21.2	91	18.6
PIONEER HYBRID 33B51	74	21.2	94	19.9
SEED CONSULTANTS SCX111	73	19.8	89	19.9
SEED CONSULTANTS SC1142	71	21.6	84	19.3
SEED CONSULTANTS SC11BR62	70	23.0	94	19.7
DOEBLERS 649XY	69	18.3	90	19.3
AGWAY AG6399BT	69	20.7	55	19.5
SEED CONSULTANTS SC1140	69	21.0	69	19.2
SOUTHERN STATES SS769BT	68	21.5	60	20.4
DOEBLERS 760DT	68	20.4	67	18.5
DOEBLERS HC540	67	19.8	67	20.7
SEED CONSULTANTS SC1122	65	19.3	72	18.8
DOEBLERS 887V2	65	25.4	82	16.7
SOUTHERN STATES SS828	65	22.5	83	19.0
DEKALB DKC61-24	64	20.2	91	19.2
ASGROW RX764	62	19.4	76	17.2
DEKALB DKC63-03	62	19.0	77	19.3
SOUTHERN STATES SS897	61	23.8	89	18.8
AGWAY AG6515	60	21.7	70	19.7
DOEBLERS 643XYG	58	23.3	87	19.9
DEKALB DKC60-15	57	18.2	82	18.8
SOUTHERN STATES SS729CL	55	20.5	78	20.4
SEED CONSULTANTS SC1151	53	24.0	78	20.4
SOUTHERN STATES SS747	52	21.2	75	18.8
ASGROW RX708	51	18.4	83	20.9
SOUTHERN STATES SS900BT	49	26.8	78	19.3
SOUTHERN STATES SS849CL	45	24.4	77	19.3
MEANS:	64.9	21.3	80.0	19.3
L.S.D. (0.05):	22.1	—	15.1	2.9
C.V.%:	24.2	—	13.4	10.8

*BASED ON 15.5% MOISTURE

PLANTED: MAY 24

HARVESTED: NOVEMBER 1

FERTILIZER: 160-50-108 (LB/ACRE OF N, P₂O₅, AND K₂O, RESPECTIVELY)

HERBICIDES: 2.5 QTS BICEP MAGNUM + 0.05 LB PYTHON 80WDG/ACRE

SOIL: HAGERSTOWN SILT LOAM (FINE, MIXED, SEMIACTIVE, MESIC TYPIC HAPLUDALFS)

MORGANTOWN
EARLY MIDSEASON
CORN GRAIN—2002

BRAND/HYBRID	YIELD BU/A*	PERCENT MOISTURE	PERCENT ERECT PLANTS	POPULATION PLANTS/ACRE (1000'S)
AGWAY AG6001	181	21.9	85	23.9
DOEBLERS 596XY	181	20.2	82	23.9
SEED CONSULTANTS SC1082	177	20.4	92	24.9
DOEBLERS HC350	177	19.9	93	24.7
SEED CONSULTANTS SC1091	174	20.0	89	24.2
DEKALB DKC56-71	169	19.4	87	23.3
SEED CONSULTANTS SC1068	168	21.6	87	23.5
PIONEER HYBRID 35P12	165	20.8	64	24.2
SOUTHERN STATES SS576	163	20.2	92	24.4
DEKALB DK567	162	19.7	83	23.9
SEED CONSULTANTS SC1070	158	20.2	86	24.6
DOEBLERS 509X	157	18.9	94	24.9
ASGROW RX708	156	21.0	70	23.9
SEED CONSULTANTS SC10B93	152	20.8	93	22.8
DOEBLERS 529X	152	19.8	85	23.3
DOEBLERS 583XYG	151	19.4	92	24.4
SOUTHERN STATES SS720RR	147	23.0	93	24.9
SEED CONSULTANTS SCX108	146	20.6	88	24.0
ASGROW RX634	146	19.7	70	24.0
DEKALB DK537	146	18.3	81	24.4
AGWAY AG5519	143	19.9	82	23.3
AGWAY AG5095	141	18.4	85	23.9
PIONEER HYBRID 36N70	141	19.2	58	24.2
DEKALB DK440	138	18.4	57	24.2
SOUTHERN STATES SS447	137	19.0	67	24.2
PIONEER HYBRID 36N71	136	18.8	67	23.3
DOEBLERS 469X	135	18.8	75	22.1
PIONEER HYBRID 36B08	133	20.1	90	23.7
DEKALB DKC53-32	132	20.9	77	23.3
ASGROW RX452YG	130	19.3	72	23.2
MEANS:	153.1	20.0	81.2	23.9
L.S.D. (0.05):	23.1	—	21.7	1.7
C.V.%:	10.7	—	19.1	5.0

*BASED ON 15.5% MOISTURE

PLANTED: MAY 23

HARVESTED: OCTOBER 24

FERTILIZER: 160-50-108 (LB/ACRE OF N, P₂O₅, AND K₂O, RESPECTIVELY)

HERBICIDES: 2.5 QTS BICEP MAGNUM + 0.05 LB PYTHON 80WDG/ACRE

SOIL: CLARKSBURG SILT LOAM (FINE-LOAMY, MIXED, SUPERACTIVE, MESIC OXYAQUIC FRAGIUDALFS)

MORGANTOWN
LATE MIDSEASON
CORN GRAIN—2002

BRAND/HYBRID	YIELD BU/A*	PERCENT MOISTURE	PERCENT ERECT PLANTS	POPULATION PLANTS/ACRE (1000'S)
SOUTHERN STATES SS729CL	193	22.6	91	23.9
DOEBLERS 760DT	175	24.4	81	22.5
SEED CONSULTANTS SC1142	174	24.4	90	24.2
PIONEER HYBRID 33B51	171	24.0	74	23.2
SEED CONSULTANTS SC11B23	171	23.0	80	22.8
SEED CONSULTANTS SCX111	170	24.8	88	23.7
DOEBLERS HC560	169	24.6	83	22.1
DOEBLERS 649XY	168	24.1	86	20.6
PIONEER HYBRID 33J56	167	22.9	71	23.7
SOUTHERN STATES SS769BT	166	25.7	78	22.5
DEKALB DKC63-03	166	23.9	80	23.5
PIONEER HYBRID 34M94	165	22.8	85	23.9
DOEBLERS 643XYG	165	23.5	85	23.9
SEED CONSULTANTS SC1140	164	24.5	77	22.5
DEKALB DKC60-15	161	23.4	80	24.0
PIONEER HYBRID 34B23	160	22.9	74	23.0
SEED CONSULTANTS SC1122	158	23.0	82	22.1
SEED CONSULTANTS SC1118	157	23.3	89	24.2
DEKALB DKC61-24	156	23.5	82	23.7
DOEBLERS 636XY	154	23.4	85	22.5
SOUTHERN STATES SS710	153	23.2	80	22.1
AGWAY AG6191	152	22.4	81	22.1
AGWAY AG6515	151	25.7	69	23.0
DOEBLERS HC540	150	23.4	71	22.7
AGWAY AG6399BT	149	24.7	72	21.6
SEED CONSULTANTS SC1151	146	23.9	82	24.4
SEED CONSULTANTS SC11BR62	144	24.0	74	22.0
SOUTHERN STATES SS828	144	26.4	68	21.8
ASGROW RX764	142	23.2	81	18.6
DOEBLERS 749XYG	139	24.9	77	19.5
MEANS:	160.0	23.9	79.9	22.7
L.S.D. (0.05):	23.3	—	13.3	2.3
C.V.%:	10.4	—	11.8	7.1

*BASED ON 15.5% MOISTURE

PLANTED: MAY 23

HARVESTED: OCTOBER 31

FERTILIZER: 160-50-108 (LB/ACRE OF N, P₂O₅, AND K₂O, RESPECTIVELY)

HERBICIDES: 2.5 QTS BICEP MAGNUM + 0.05 LB PYTHON 80WDG/ACRE

SOIL: CLARKSBURG SILT LOAM (FINE-LOAMY, MIXED, SUPERACTIVE, MESIC OXYAQUIC FRAGIUDALFS)

WARDENSVILLE
EARLY MIDSEASON
CORN GRAIN—2002

BRAND/HYBRID	YIELD BU/A*	PERCENT MOISTURE	PERCENT ERECT PLANTS	POPULATION PLANTS/ACRE (1000'S)
PIONEER HYBRID 34M94	131	23.4	98	21.3
PIONEER HYBRID 35P12	131	20.6	93	20.4
DOEBLERS 529X	127	22.2	90	19.9
DOEBLERS 596XY	120	19.3	92	20.9
PIONEER HYBRID 34B23	118	22.6	87	20.2
SEED CONSULTANTS SCX111	115	21.3	89	16.7
SEED CONSULTANTS SC1091	114	21.4	89	19.7
DOEBLERS 509X	114	20.8	91	19.9
SEED CONSULTANTS SC1118	112	22.3	93	20.0
DOEBLERS HC540	112	22.6	95	20.4
DEKALB DKC56-71	112	20.2	99	16.9
DOEBLERS 636XY	110	21.2	86	20.2
ASGROW RX708	110	21.2	87	19.9
SOUTHERN STATES SS576	108	21.2	95	20.6
SEED CONSULTANTS SC10B93	107	20.0	74	16.4
DOEBLERS HC350	107	20.2	90	20.7
PIONEER HYBRID 36N70	104	21.0	98	20.9
SEED CONSULTANTS SC1092	103	23.1	89	17.4
SEED CONSULTANTS SC1068	101	21.8	97	16.2
DEKALB DK567	101	20.6	91	20.6
SOUTHERN STATES SS710	100	21.2	94	17.9
AGWAY AG5519	99	20.0	95	20.9
DOEBLERS 469XP	96	18.2	85	20.4
PIONEER HYBRID 36B08	95	20.8	93	20.7
PIONEER HYBRID 36N71	95	20.2	94	20.7
DEKALB DK537	92	19.4	79	16.0
DOEBLERS 583XYG	92	20.0	92	16.7
ASGROW RX634	90	20.0	80	20.6
SOUTHERN STATES SS447	79	20.2	80	20.6
DEKALB DKC53-32	64	20.7	43	19.9
MEANS:	105.4	20.9	88.7	19.5
L.S.D. (0.05):	19.4	—	13.2	4.2
C.V.%:	13.1	—	10.6	15.2

*BASED ON 15.5% MOISTURE

PLANTED: MAY 24

HARVESTED: OCTOBER 25

FERTILIZER: 160-50-108 (LB/ACRE OF N, P₂O₅, AND K₂O, RESPECTIVELY)

HERBICIDES: 2.5 QTS BICEP MAGNUM + 0.05 LB PYTHON 80WDG/ACRE

SOIL: TYLER SILT LOAM (TILE DRAINED) (FINE-SILTY, MIXED, ACTIVE, MESIC AERIC FRAGIAQUULTS)

WARDENSVILLE
LATE MIDSEASON
CORN GRAIN—2002

BRAND/HYBRID	YIELD BU/A*	PERCENT MOISTURE	PERCENT ERECT PLANTS	POPULATION PLANTS/ACRE (1000'S)
PIONEER HYBRID 33J56	153	21.2	96	20.9
SEED CONSULTANTS SC11B23	145	20.0	98	20.9
DEKALB DKC63-03	143	23.7	98	21.3
DEKALB DKC61-24	131	21.3	99	20.9
SOUTHERN STATES SS900BT	131	26.3	99	20.2
DOEBLERS 643XYG	130	23.7	96	21.1
SEED CONSULTANTS SC1142	128	23.3	100	20.9
DOEBLERS 649XY	127	18.8	93	20.2
SEED CONSULTANTS SC1140	125	20.2	97	20.7
SOUTHERN STATES SS729CL	124	20.3	99	21.3
AGWAY AG6515	117	20.3	98	19.9
PIONEER HYBRID 33B51	117	23.0	97	20.2
AGWAY AG6191	115	19.4	99	20.6
SEED CONSULTANTS SC1122	113	19.6	99	20.7
DOEBLERS 760DT	113	21.8	97	20.4
AGWAY AG6399BT	110	20.4	97	20.2
SOUTHERN STATES SS828	110	25.6	99	20.9
SOUTHERN STATES SS769BT	110	21.9	97	20.9
AGWAY AG6001	109	19.3	96	22.3
ASGROW RX764	108	21.4	96	21.4
SOUTHERN STATES SS849CL	107	23.6	99	20.9
DOEBLERS HC560	102	19.8	96	20.0
DEKALB DKC60-15	102	18.9	87	21.8
SOUTHERN STATES SS747	102	20.9	98	21.4
SEED CONSULTANTS SC11BR62	98	22.8	95	20.0
SEED CONSULTANTS SC1151	97	23.3	95	19.3
SOUTHERN STATES SS720RR	96	19.2	96	17.4
DOEBLERS 887V2	96	23.6	97	20.6
DOEBLERS 749XYG	93	19.6	95	20.2
SOUTHERN STATES SS897	79	24.6	92	20.6
MEANS:	114.4	21.6	96.7	20.6
L.S.D. (0.05):	21.5	—	7.1	2.7
C.V.%:	13.4	—	5.2	9.3

*BASED ON 15.5% MOISTURE

PLANTED: MAY 24

HARVESTED: OCTOBER 25

FERTILIZER: 160-50-108 (LB/ACRE OF N, P₂O₅, AND K₂O, RESPECTIVELY)

HERBICIDES: 2.5 QTS BICEP MAGNUM + 0.05 LB PYTHON 80WDG/ACRE

SOIL: TYLER SILT LOAM (TILE DRAINED) (FINE-SILTY, MIXED, ACTIVE, MESIC AERIC FRAGIAQUULTS)

TWO-YEAR AVERAGES
KEARNEYSVILLE
2001-2002

BRAND/HYBRID	YIELD BU/A	STANDARD DEVIATION	PERCENT MOISTURE	PERCENT ERECT PLANTS
PIONEER HYBRID 34M94	124	±47.2	16.4	89
AGWAY AG6191	119	±54.4	15.8	86
AGWAY AG6399BT	119	±54.4	18.6	71
DOEBLERS HC540	118	±56.5	17.2	77
AGWAY AG6001	114	±40.6	15.9	88
AGWAY AG6515	112	±58.5	19.3	78
DEKALB DKC56-71	112	±50.3	15.9	74
SEED CONSULTANTS SC1140	111	±47.3	18.4	75
ASGROW RX634	110	±55.2	15.3	88
PIONEER HYBRID 33J56	109	±36.0	18.2	86
DOEBLERS 636XY	109	±39.5	16.6	89
DOEBLERS 887V2	109	±50.6	23.2	88
DOEBLERS 649XY	108	±44.3	16.7	92
SEED CONSULTANTS SC1091	107	±45.0	16.3	88
DEKALB DK567	106	±52.3	16.2	81
PIONEER HYBRID 35P12	104	±40.6	16.2	84
SOUTHERN STATES SS710	104	±43.0	15.8	85
DEKALB DKC61-24	103	±44.5	17.2	88
SEED CONSULTANTS SC1118	103	±29.9	16.7	87
SOUTHERN STATES SS729CL	102	±52.7	17.8	86
SOUTHERN STATES SS900BT	102	±57.3	23.0	81
SEED CONSULTANTS SC1151	101	±53.9	20.5	86
ASGROW RX708	101	±56.4	16.4	88
ASGROW RX764	101	±45.1	16.9	86
DEKALB DK537	100	±30.0	15.7	84
DOEBLERS 509X	100	±33.3	15.4	90
DEKALB DKC63-03	99	±41.3	17.6	86
DEKALB DKC53-32	99	±40.7	15.4	86
SEED CONSULTANTS SC1068	99	±41.3	16.3	90
DOEBLERS 596XY	98	±41.0	15.8	88
SEED CONSULTANTS SC1122	97	±35.5	16.7	85
SEED CONSULTANTS SC1070	97	±35.4	16.9	83
SOUTHERN STATES SS720RR	96	±39.4	18.0	77
SOUTHERN STATES SS828	95	±37.2	20.7	89
SOUTHERN STATES SS769BT	94	±37.9	20.0	72
SOUTHERN STATES SS747	91	±44.3	19.3	80
SOUTHERN STATES SS576	90	±34.7	15.9	86
DEKALB DKC60-15	89	±38.0	17.3	84

TWO-YEAR AVERAGES
MORGANTOWN
2001-2002

BRAND/HYBRID	YIELD BU/A	STANDARD DEVIATION	PERCENT MOISTURE	PERCENT ERECT PLANTS
AGWAY AG6001	193	±20.4	21.0	89
DEKALB DKC56-71	187	±28.8	18.0	93
SOUTHERN STATES SS729CL	186	±14.7	20.5	91
SEED CONSULTANTS SC1091	175	±45.3	19.4	84
DEKALB DK567	174	±20.3	18.2	88
DEKALB DKC63-03	174	±14.0	21.6	85
SOUTHERN STATES SS576	174	±25.5	18.4	88
ASGROW RX708	174	±20.8	18.9	84
DEKALB DKC61-24	173	±27.7	21.1	89
AGWAY AG6191	171	±31.5	20.6	87
SOUTHERN STATES SS710	170	±29.2	20.9	83
DOEBLERS HC540	170	±31.8	19.9	76
SEED CONSULTANTS SC1140	170	±27.1	21.8	78
SEED CONSULTANTS SC1122	169	±23.2	20.4	90
DOEBLERS 649XY	169	±33.5	22.2	79
DOEBLERS 596XY	169	±31.5	18.9	79
PIONEER HYBRID 34M94	166	±15.7	20.5	83
AGWAY AG6399BT	166	±26.0	21.7	82
SOUTHERN STATES SS720RR	164	±28.1	20.2	92
PIONEER HYBRID 33J56	164	±14.0	21.0	73
PIONEER HYBRID 35P12	162	±41.0	19.0	72
SEED CONSULTANTS SC1118	160	±19.6	20.5	87
SEED CONSULTANTS SC1070	158	±27.0	18.5	88
SEED CONSULTANTS SC1068	157	±20.3	20.5	83
SOUTHERN STATES SS828	156	±24.7	24.5	77
ASGROW RX634	156	±14.7	18.0	79
DEKALB DK537	156	±12.1	17.7	88
AGWAY AG6515	155	±12.0	22.4	74
PIONEER HYBRID 36N70	151	±18.3	17.3	72
DOEBLERS 636XY	150	±15.3	21.1	86
DOEBLERS 509X	148	±22.6	17.1	92
AGWAY AG5519	146	±22.6	18.0	80
SEED CONSULTANTS SC1151	146	±29.0	22.0	83
ASGROW RX764	141	±19.5	20.5	83
SOUTHERN STATES SS447	139	±18.6	17.6	77
DEKALB DKC53-32	136	±15.0	18.5	82
DEKALB DKC60-15	134	±31.9	22.1	78

TWO-YEAR AVERAGES
WARDENSVILLE
2000 AND 2002

BRAND/HYBRID	YIELD BU/A	STANDARD DEVIATION	PERCENT MOISTURE	PERCENT ERECT PLANTS
PIONEER HYBRID 33J56	183	±36.5	23.5	92
SEED CONSULTANTS SC1140	155	±33.2	22.6	79
SOUTHERN STATES SS769BT	146	±40.2	24.9	98
SOUTHERN STATES SS828	145	±39.9	26.7	82
AGWAY AG6399BT	145	±38.8	22.7	94
DOEBLERS 596XY	144	±28.4	19.3	68
SOUTHERN STATES SS729CL	144	±25.8	24.4	91
SEED CONSULTANTS SC1118	143	±35.1	22.8	82
AGWAY AG6191	140	±34.7	21.2	83
SOUTHERN STATES SS710	138	±44.0	22.4	78
SOUTHERN STATES SS849CL	137	±33.1	28.2	87
SOUTHERN STATES SS720RR	136	±44.4	20.6	83
SOUTHERN STATES SS576	136	±39.7	21.7	87
DOEBLERS 636XY	136	±37.4	22.3	76
DEKALB DK537	131	±42.1	19.3	69
SOUTHERN STATES SS897	124	±49.3	27.3	86
SOUTHERN STATES SS747	124	±28.4	25.2	90
DOEBLERS 469XP	115	±25.1	18.0	69
DOEBLERS 887V2	107	±19.8	29.5	85
SOUTHERN STATES SS447	101	±25.4	20.0	69

THREE-YEAR AVERAGES
 KEARNEYSVILLE
 2000-2002

BRAND/HYBRID	YIELD BU/A	STANDARD DEVIATION	PERCENT MOISTURE	PERCENT ERECT PLANTS
AGWAY AG6191	132	±48.3	16.4	89
SEED CONSULTANTS SC1140	131	±48.2	19.1	79
PIONEER HYBRID 33J56	130	±43.7	18.4	88
DOEBLERS 636XY	126	±41.1	17.3	89
DOEBLERS 887V2	124	±46.0	24.3	86
SOUTHERN STATES SS710	122	±43.8	16.7	88
DOEBLERS 596XY	121	±47.8	16.0	89
SOUTHERN STATES SS769BT	115	±44.2	21.1	80
SOUTHERN STATES SS729CL	115	±46.3	17.9	83
SOUTHERN STATES SS720RR	115	±41.4	17.7	80
SEED CONSULTANTS SC1118	114	±32.2	16.4	87
SOUTHERN STATES SS576	113	±46.0	16.2	88
DEKALB DK537	110	±28.1	15.9	85
SOUTHERN STATES SS900BT	108	±48.1	23.3	79
SOUTHERN STATES SS828	105	±34.5	21.5	87
SOUTHERN STATES SS747	96	±36.4	20.0	78

THREE-YEAR AVERAGES
MORGANTOWN
2000-2002

BRAND/HYBRID	YIELD BU/A	STANDARD DEVIATION	PERCENT MOISTURE	PERCENT ERECT PLANTS
SOUTHERN STATES SS710	181	±31.1	22.1	89
SOUTHERN STATES SS729CL	180	±15.2	21.3	93
AGWAY AG6399BT	174	±25.4	22.1	88
SEED CONSULTANTS SC1140	174	±26.3	22.8	84
PIONEER HYBRID 33J56	174	±22.6	21.9	81
SOUTHERN STATES SS576	173	±23.0	19.8	91
AGWAY AG6191	173	±27.6	21.4	91
DOEBLERS 596XY	171	±27.0	20.3	86
SOUTHERN STATES SS720RR	171	±25.8	21.2	95
SEED CONSULTANTS SC1118	167	±20.5	21.3	91
SOUTHERN STATES SS828	163	±22.6	25.4	85
DEKALB DK537	160	±12.2	18.7	92
DOEBLERS 636XY	154	±16.6	22.4	89
SOUTHERN STATES SS447	138	±19.1	18.6	84

THREE-YEAR AVERAGES
WARDENSVILLE
1999, 2000, AND 2002

BRAND/HYBRID	YIELD BU/A	STANDARD DEVIATION	PERCENT MOISTURE	PERCENT ERECT PLANTS
SOUTHERN STATES SS828	125	±44.5	27.8	71
DOEBLERS 636XY	117	±41.6	23.2	80
DOEBLERS 596XY	116	±47.8	20.1	73
SOUTHERN STATES SS576	113	±47.1	21.3	81
SOUTHERN STATES SS897	110	±45.7	29.2	85
SOUTHERN STATES SS747	109	±31.9	27.6	90
DEKALB DK537	103	±53.3	19.2	72
DOEBLERS 887V2	97	±22.8	29.9	84
DOEBLERS 469XP	90	±42.7	18.2	77
SOUTHERN STATES SS447	89	±27.2	19.6	68

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Agway Farm Seeds, Attn: Mark Guttendorf, 6835 Tully-Truxton Road, Tully, NY 13159

Doebler's Pennsylvania Hybrids, Inc., R.D. 1, Box 424, Jersey Shore, PA 17740

Monsanto Company, Agricultural Sector, Global Seed Group (DeKalb and Asgrow Hybrids) 3100 Sycamore Road, DeKalb, IL 60115-9600

Pioneer Hi-Bred International, Inc., North American Division, 1000 West Jefferson Street, Tipton, IN 46072

Seed Consultants, 9768 Northwest Milledgeville-Jefferson Road, Jeffersonville, OH 43128

Southern States Hybrids, c/o Cooperative Seeds, Inc., 7200 E. St. Rd. 47, Lebanon, IN 46052

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