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Performance of Corn Hybrids in 1983

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University of Tennessee
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PERFORMANCE OF CORN HYBRIDS IN 1983[1/]

Charles R. Graves[2/]

The 1983 medium-season state corn hybrid tests were conducted at seven locations, and full-season and early-maturing at four locations. No data are reported for the early-maturing test at Martin due to poor stand. The growing season was poor at most locations in 1983 due to a severe drought. The Knoxville location received one irrigation during silking and tasseling. The Springfield medium-season corn test was conducted on a Huntington silt loam soil with excellent water supplying capacity. All other locations suffered from the extreme dry weather during the growing season.

No virus yield data from the Waverly test were reported in 1983 due to severe dry weather during the growing season. Corn yields are expressed in bushels per acre, adjusted to 15.5% moisture. The percent moisture at harvest is presented in each table to show the relative maturity of the hybrids.

The leading hybrids in 1983 in the medium-season test were Pioneer brand 3320, McCurdy 8150, Beck's 85XA, and DeKalb Exp 370. Pioneer brand 3147, a full-season hybrid, was included as a check hybrid in the medium and full-season test.

The leading hybrids in the full-season test for 1983 were Pioneer brand 3165, Pioneer brand 3147, DeKalb DK-789, and Funk G-4740A.

The leading hybrids in 1983 in the early-maturing group were Pioneer brand 3389, McCurdy 7800, Pioneer brand 3358, USS 7001 and O's Gold 2570. The grain of hybrids grown at Knoxville and Spring Hill are being analyzed for crude protein by the UT forage testing lab in Nashville. These data will be reported in a later publication. The data of the medium-season hybrids for Crossville were reported separately because previous studies have shown that hybrid performance on the Cumberland Plateau differs from that on the other test sites in Tennessee.

1/ These results will be included in the 1983 Bulletin, "Performance of Field Crop Varieties", which will be available in 1984.

2/ Professor of Plant and Soil Science.

The Recommended Corn Hybrids for 1984 are as Follows:

Maturity Group	Grain Color	Hybrid	Tolerance to Corn Virus Complex	Erect Plants	Quality Rating	Yield
				%	(1-9)	Bu/A
Early-Season	Yellow	O's Gold 3344	Med-Low	93	4.3	127
		Funk G-4522	Low	91	3.8	122
		FFR 788C	Low	96	4.6	122
		Coker 19	Low	94	4.7	121
		O's Gold 6882	Low	95	4.7	120
		FFR 799C	Low	93	4.6	119
		FFR 744C 1/	Low	91	5.0	116
		FFR 717C 3/	Med-High	94	3.8	115
		Funk G-4507A 1/	Low	--	---	---
		P.A.G. SX333	Low	--	---	---
Medium-Season	Yellow	Pioneer brand 3184	Med-Low	99		131
		Pioneer brand 3320	Low	98		129
		DeKalb DK-747	Low	99		129
		Zimmerman Z-24Y	Low	94		125
		O's Gold SX5509	Low	96		124
		McCurdy 8150	Low	96		124
		Pioneer brand 3369A	Low	96		123
		Funk G-4733	Med	98		123
		McCurdy 7978	Med	96		122
		Coker 21	Low	95		122
		RA 1604	Low	96		121
		RA 1502 1/	Low	--		119
		McCurdy 84AA	Low	--		---
		P.A.G. SX17A	Med	--		---
		N.K. PX79 1/	Med-Low	--		---
		DeKalb XL72B 3/	High	--		---
		DeKalb XL72BB	Med-High	--		---
	White	O's Gold 2680W	Med	97		126
		DeKalb XL390B	Low	95		124
Full-Season	Yellow	Pioneer brand 3147	Med-High	96		124
		Funk G-4740A	Med	98		123
		Pioneer brand 3160	Med-High	96		123
		DeKalb DK-789	Med-High	98		122
		FFR 955C	Med-High	98		117
		Golden Harvest H-2775A	Low	94		111
		DeKalb XL394	High	98		110
	White	Zimmerman Z-11W	Med-High	95		117
		Zimmerman Z-52W	Med-High	96		113
		Princeton SP936	Med	96		111
		Golden Harvest H-2660W	Med	95		110
		Princeton SX910	Med-High	96		109
		FFR 929W 1/	Med	97		107
		Asgrow RX962W	Low	--		---
		RA 2602 1/	Med	--		---

1/ Present plans indicate that this hybrid will not be recommended after this year. (1984)
2/ Hybrids rated lower than medium-high are not recommended under heavy virus conditions.
3/ Recommended only under virus conditions.

Table 1. Corn: Yield of 40 medium-season hybrids evaluated at six locations in 1983.

Color	Cross	Hybrid	Avg.	Greene-ville[1]	Knox-ville[2]	Spring Hill[3]	Spring-field[4]	Milan[5]	Martin[6,7]
						Bushels per acre			
y	2X	Pioneer brand 3320	123	94	146	92	146	139	71
y	2X	Pioneer brand 3147	120	92	149	83	150	129	64
y	2X	McCurdy 8150	119	89	135	85	147	138	77
y	2X	Beck's 85XA	118	86	155	88	153	110	68
y	2X	DeKalb Exp.-370	118	87	146	82	149	128	63
y	2X	FFR 848C	115	90	129	98	135	124	76
y	2X	O's Gold 5291	115	84	143	80	151	116	68
y	2X	Pioneer brand 3184	115	89	144	91	144	106	84
y	2X	Zimmerman Z-24Y	114	89	132	80	148	122	87
y	2X	DeKalb DK-747	114	79	149	72	145	124	62
y	M2X	Coker 19A	113	84	142	86	137	116	64
y	2X	McCurdy 84AA	111	94	138	82	131	110	68
y	M2X	GK 879[8]	111	92	134	86	130	112	78
y	2X	Pioneer brand 3369A	110	80	131	87	138	115	69
y	2X	RA 1502	110	96	137	79	137	101	83
y	M2X	Pioneer brand 3187	109	84	130	83	119	129	58
w	3X	O's Gold 2680W	109	76	141	74	149	102	44
w	M3X	Funk G-4779W	107	84	139	64	151	99	43
y	2X	Golden Harvest H-2680	107	91	143	62	130	109	52
y	M2X	Funk G-4733	107	96	131	65	138	105	70
y	2X	Golden Harvest H-2686	106	72	141	67	141	110	56
y	M2X	Pioneer brand 3328	106	80	117	90	125	118	64
y	2X	McCurdy 7978	106	85	120	82	136	106	84
y	2X	Coker 21	106	79	137	64	143	106	82
y	2X	O's Gold SX5509	105	90	137	65	134	97	67
y	2X	Asgrow RX777	105	84	142	82	134	79	67
y	2X	FFR 811C	105	93	123	85	133	90	74
y	M2X	Funk G-4734	104	77	133	71	130	108	59
y	2X	RA 1604	103	77	144	67	127	101	56
y	2X	P.A.G. SX354	102	98	130	75	127	82	78
y	2X	USS 1515	102	75	131	80	133	93	66
y	2X	Funk G-27629	102	69	136	59	138	107	67
y	2X	DeKalb XL71	101	84	124	81	116	102	69
y	2X	P.A.G. SX351	101	82	128	69	126	100	75
y	2X	O's Gold 5255	101	88	117	73	128	98	54
w	3X	DeKalb XL390B	101	78	131	56	141	98	61
y	2X	VaOM73 x T232	99	73	132	75	119	96	41
y	2X	VaOM73 x N132	99	80	136	54	124	72	66
y	2X	N.K. PX9527	92	78	110	75	116	83	65
y	2X	N.K. PX79	91	72	128	58	132	67	67
L.S.D. (.05)			7.1	15.4	13.4	14.2	13.9	22.4	26.3
C.V. %			10.7	13.0	7.1	13.4	7.3	15.2	28.5
Avg.			107.4	84.3	134.8	76.2	135.8	106.2	66.7

1/ Hermitage silt loam (2% to 5% slopes).
2/ Sequatchie loam (2% to 5% slopes).
3/ Maury silt loam (2% to 5%slopes).
4/ Huntington silt loam (2% to 5% slopes).
5/ Collins silt loam (2% to 5% slopes).
6/ Collins silt loam (2% to 5% slopes).
7/ Martin data not included in state avg. due to high c.v.
8/ AgraTech seed - formerly Gold Kist.

Table 2. Corn: Yield and other characteristics of 40 medium-season hybrids evaluated at six locations in 1983.

Color	Cross	Hybrid	Yield	Erect plants	Grain quality rating[1]	Husk cover rating[1]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	Pioneer brand 3320	123	97	2.6	3.7	51	21.2
y	2X	Pioneer brand 3147	120	94	4.5	4.3	56	23.0
y	2X	McCurdy 8150	119	92	3.2	3.3	58	22.6
y	2X	Beck's 85XA	118	95	3.0	2.5	51	22.2
y	2X	DeKalb Exp-370	118	98	3.7	4.8	53	20.8
y	2X	FFR 848C	115	93	3.2	3.2	58	20.7
y	2X	O's Gold 5291	115	91	3.6	3.3	48	21.6
y	2X	Pioneer brand 3184	115	99	3.5	4.8	48	22.6
y	2X	Zimmerman Z-24Y	114	88	2.9	4.3	50	20.1
y	2X	DeKalb DK-747	114	99	3.9	3.0	56	23.3
y	M2X	Coker 19A	113	92	3.9	3.5	54	21.3
y	2X	McCurdy 84AA	111	90	3.4	3.7	52	22.4
y	M2X	GK 879[3]	111	92	3.1	3.3	55	20.4
y	2X	Pioneer brand 3369A	110	88	3.4	3.8	51	18.7
y	2X	RA 1502	110	96	3.6	4.5	52	21.4
y	M2X	Pioneer brand 3187	109	99	3.1	3.2	54	23.2
w	3X	O's Gold 2680W	109	93	3.5	3.8	52	24.7
w	M3X	Funk G-4779W	107	92	3.2	2.5	58	24.3
y	2X	Golden Harvest H-2680	107	93	3.5	3.8	52	24.7
y	M2X	Funk G-4733	107	96	3.1	3.2	53	23.2
y	2X	Golden Harvest H-2686	106	88	3.7	4.3	52	23.6
y	M2X	Pioneer brand 3328	106	98	4.2	4.2	50	20.7
y	2X	McCurdy 7978	106	91	3.7	3.7	53	21.1
y	2X	Coker 21	106	88	4.0	3.3	51	24.0
y	2X	O's Gold SX5509	105	92	3.7	4.3	50	24.1
y	2X	Asgrow RX777	105	92	3.5	4.7	50	19.6
y	2X	FFR 811C[2]	105	92	3.8	4.3	48	19.3
y	M2X	Funk G-4734	104	95	2.9	3.8	53	24.3
y	2X	RA 1604	103	96	3.8	3.3	48	24.0
y	2X	P.A.G. SX354	102	94	3.1	4.3	46	20.5
y	2X	USS 1515	102	92	3.8	3.5	48	21.6
y	2X	Funk G-27629	102	95	4.1	3.8	51	24.6
y	2X	DeKalb XL71	101	91	3.9	4.0	50	20.7
y	2X	P.A.G. SX351	101	93	4.7	5.0	52	19.6
y	2X	O's Gold 5255	101	94	4.6	3.8	51	17.8
w	3X	DeKalb XL390B	101	93	4.4	2.8	56	22.7
y	2X	VaOM73 x T232	99	95	3.0	2.7	56	22.8
y	2X	VaOM73 x N132	99	92	5.1	3.3	47	20.0
y	2X	N.K. PX9527	92	94	4.7	4.3	46	17.2
y	2X	N.K. PX79	91	96	5.0	4.2	51	19.7

1/ Rating was based on a scale of 1 through 9 with 1 being excellent and 9 poor.
2/ Bag of seed was labeled FFR 811 and form was labeled 811C.
3/ AgraTech seed - formerly Gold Kist.

Table 3. Corn: Yields of 25 medium-season hybrids evaluated at four locations for 2 years (1982-83).

Color	Cross	Hybrid	1982-83 Avg.	Greene-ville	Knox-ville	Spring Hill	Spring-field
			Bushels per acre				
y	2X	Pioneer brand 3147	125	93	160	93	155
y	2X	Pioneer brand 3320	125	99	156	97	150
y	2X	Pioneer brand 3184	121	91	152	95	147
y	2X	DeKalb Exp-370	118	85	150	90	150
y	2X	DeKalb DK-747	118	80	160	81	152
y	2X	McCurdy 8150	117	87	147	90	144
w	2X	O's Gold 2680W	116	68	152	83	160
y	2X	FFR 848C	115	81	138	96	143
y	M2X	Funk G-4733	114	90	145	80	142
y	2X	Coker 21	114	80	146	76	152
y	2X	O's Gold SX5509	113	91	147	72	144
y	2X	Zimmerman Z-24Y	113	89	144	85	135
y	2X	McCurdy 7978	113	88	134	91	140
y	2X	O's Gold 5291	112	84	139	83	142
w	M3X	Funk G-4779W	111	78	148	76	142
y	2X	RA 1502	111	93	139	82	131
y	2X	USS 1515	111	84	133	89	137
y	2X	Pioneer brand 3369A	110	82	132	88	139
y	2X	RA 1604	110	80	152	78	131
y	2X	Asgrow RX777	110	81	143	82	133
y	M2X	Coker 19A	109	85	134	81	136
y	M2X	Pioneer brand 3187	108	81	139	83	130
y	2X	Golden Harvest H-2680	108	85	148	66	134
w	3X	DeKalb XL390B	108	72	144	71	144
y	2X	N.K. PX79	107	78	135	79	137
y	2X	DeKalb XL71	107	88	131	85	125
y	2X	Golden Harvest H-2686	106	68	149	72	137
y	M2X	Pioneer brand 3328	102	82	118	89	118

Table 4. Corn: Yield and other characteristics of 25 medium-season hybrids evaluated at four locations for 2 years (1982-83).

Color	Cross	Hybrid	1982-83 avg. yield	Erect plants	Grain quality rating[1]	Husk cover rating[1]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	Pioneer brand 3147	125	96	4.0	4.0	56	23.2
y	2X	Pioneer brand 3320	125	98	2.4	3.6	50	20.7
y	2X	Pioneer brand 3184	121	99	3.5	4.7	49	22.7
y	2X	DeKalb Exp-370	118	98	3.6	4.4	54	21.3
y	2X	DeKalb DK-747	118	99	3.8	3.2	56	22.1
y	2X	McCurdy 8150	117	94	3.3	3.1	58	22.8
w	2X	O's Gold 2680W	116	96	3.6	3.0	61	23.3
y	2X	FFR 848C	115	96	3.1	3.2	58	20.5
y	M2X	Funk G-4733	114	97	3.0	3.3	53	23.0
y	2X	Coker 21	114	93	4.0	3.2	52	23.6
y	2X	O's Gold SX5509	113	95	3.8	4.0	51	23.4
y	2X	Zimmerman Z-24Y	113	93	2.9	3.9	49	19.8
y	2X	McCurdy 7978	113	94	3.3	3.6	54	21.2
y	2X	O's Gold 5291	112	93	4.0	3.3	47	21.5
w	M3X	Funk G-4779W	111	95	3.4	2.6	58	23.4
y	2X	RA 1502	111	96	3.6	4.2	51	21.0
y	2X	USS 1515	111	95	3.8	3.7	48	21.4
y	2X	Pioneer brand 3369A	110	94	3.5	4.0	50	19.2
y	2X	RA 1604	110	95	3.7	3.2	50	23.1
y	2X	Asgrow RX777	110	94	3.4	4.1	49	19.6
y	M2X	Coker 19A	109	96	4.0	3.4	53	21.2
y	M2X	Pioneer brand 3187	108	99	3.4	3.1	52	21.6
y	2X	Golden Harvest H-2680	108	94	3.8	3.6	52	23.6
w	3X	DeKalb XL390B	108	94	4.3	2.8	56	22.4
y	2X	N.K. PX79	107	98	4.8	3.8	52	19.6
y	2X	DeKalb XL71	107	95	4.0	4.0	50	20.6
y	2X	Golden Harvest H-2686	106	91	3.8	4.1	53	23.6
y	M2X	Pioneer brand 3328	102	99	4.0	3.8	51	20.6

[1] Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 5. Corn: Yields of 20 medium-season hybrids evaluated for 3 years (1981-83).

Color	Cross	Hybrid	1981-83 1/ Avg.	Greene-ville	Knox-ville	Spring Hill	Spring-field	1981-82 Martin	1981&83 Milan
			Bushels per acre						
y	2X	Pioneer brand 3147	138	127	161	104	159	133	148
y	2X	Pioneer brand 3184	131	116	154	106	149	121	134
y	2X	Pioneer brand 3320	129	121	146	104	146	120	140
y	2X	DeKalb DK-747	129	110	153	94	159	110	154
w	3X	O's Gold 2680W	126	99	151	93	161	105	126
y	2X	Zimmerman Z-24Y	125	115	147	100	139	116	141
y	2X	O's Gold SX5509	124	114	144	89	151	103	136
y	2X	McCurdy 8150	124	110	143	102	140	124	147
w	3X	DeKalb XL390B	124	111	150	85	149	119	128
y	2X	Pioneer brand 3369A	123	111	137	102	139	126	136
y	M2X	Funk G-4733	123	111	142	93	145	124	134
y	2X	McCurdy 7978	122	111	136	103	139	119	128
y	2X	Coker 21	122	104	144	87	153	124	144
y	2X	RA 1604	121	109	147	90	136	112	128
y	M2X	Pioneer brand 3187	120	109	140	98	130	114	145
y	2X	Golden Harvest H-2686	119	99	145	85	148	117	135
y	M2X	Coker 19A	119	106	136	97	138	125	128
y	2X	RA 1502	119	112	137	93	135	144	132
y	2X	Golden Harvest H-2680	119	106	146	84	138	125	138
y	M2X	Pioneer brand 3328	109	99	121	98	119	106	129

1/ Martin and Milan not included in three year average.

Table 6. Corn: Yield and other characteristics of 20 medium-season hybrids evaluated for 3 years (1981-83).

Color	Cross	Hybrid	1981-83 yield	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	Pioneer brand 3147	138	97	4.3	4.2	57	21.9
y	2X	Pioneer brand 3184	131	99	3.5	4.7	49	21.6
y	2X	Pioneer brand 3320	129	98	2.4	3.5	50	19.9
y	2X	DeKalb DK-747	129	99	4.1	3.1	55	20.9
w	3X	O's Gold 2680W	126	97	3.2	2.9	62	22.3
y	2X	Zimmerman Z-24Y	125	94	2.9	4.0	50	19.0
y	2X	O's Gold SX5509	124	96	3.8	3.7	52	22.1
y	2X	McCurdy 8150	124	96	3.4	3.1	58	21.7
w	3X	DeKalb XL390B	124	95	4.2	2.9	56	21.3
y	2X	Pioneer brand 3369A	123	96	3.2	4.2	50	19.4
y	M2X	Funk G-4733	123	98	2.9	3.4	54	21.9
y	2X	McCurdy 7978	122	96	3.2	3.7	55	20.0
y	2X	Coker 21	122	95	3.9	3.3	52	22.2
y	2X	RA 1604	121	96	3.9	3.4	51	22.0
y	M2X	Pioneer brand 3187	120	98	3.1	3.3	54	20.5
y	2X	Golden Harvest H-2686	119	94	3.7	4.2	54	22.3
y	M2X	Coker 19A	119	97	4.1	3.5	53	20.0
y	2X	RA 1502	119	97	3.8	4.2	51	20.1
y	2X	Golden Harvest H-2680	119	95	3.9	3.5	51	22.3
y	M2X	Pioneer brand 3328	109	98	4.0	3.8	52	19.5

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 7. Corn: Yield and other characteristics of 40 medium-season hybrids evaluated at Crossville in 1983.[1/]

Color	Cross	Hybrid	Yield	Erect plants	Grain quality rating[2/]	Husk cover rating[2/]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	Beck's 85XA	125	77	3.0	2.0	54	27.8
y	2X	P.A.G. SX351	118	94	4.5	4.5	59	26.8
y	2X	P.A.G. SX354	110	62	2.7	3.5	51	25.6
y	2X	O's Gold 5691	109	50	3.0	3.0	54	25.6
y	M2X	Pioneer brand 3328	107	96	3.5	3.0	57	27.2
y	M2X	Coker 19A	106	73	3.5	2.5	57	29.0
y	2X	Pioneer brand 3147	106	65	5.0	4.0	57	32.6
y	2X	Pioneer brand 3320	106	77	3.0	2.5	55	29.0
y	2X	Asgrow RX777	105	62	3.0	3.5	55	23.7
y	2X	Zimmerman Z-24Y	104	44	3.5	3.5	54	25.2
y	2X	FFR 811	104	73	3.0	4.0	52	25.0
y	2X	McCurdy 8150	104	62	3.5	3.0	60	29.4
y	2X	Funk G-27629	102	90	4.0	3.5	60	33.7
y	M2X	Funk G-4733	102	86	3.5	3.0	58	30.2
y	2X	USS 1515	102	69	3.5	3.0	49	28.6
y	2X	Pioneer brand 3369A	101	58	4.0	3.5	56	25.3
y	2X	DeKalb Exp 370	101	94	4.0	4.5	54	30.0
y	2X	Pioneer brand 3184	101	96	4.0	4.5	48	32.7
y	2X	RA 1502	100	88	4.5	3.5	57	29.8
y	2X	FFR 848C	99	77	3.0	3.0	60	27.8
y	2X	O's Gold 5255	99	92	4.5	3.0	53	24.4
y	2X	O's Gold SX5509	97	84	3.5	5.0	54	35.5
y	2X	McCurdy 84AA	97	60	4.0	3.5	57	28.8
y	2X	Golden Harvest H-2686	97	54	3.5	3.0	54	32.4
y	2X	N.K. PX79	97	85	4.0	4.5	53	29.4
y	2X	Golden Harvest H-2680	95	85	4.5	3.5	58	35.2
y	2X	VaOM73 x N132	95	54	4.5	3.5	54	26.6
w	2X	DeKalb DX747	94	96	4.5	3.0	56	35.6
y	2X	N.K. PX9527	94	71	4.5	3.5	52	22.2
y	2X	Coker 21	93	90	4.0	3.5	60	33.2
y	2X	McCurdy 7978	93	91	4.0	3.0	58	30.7
y	M2X	GK 875	92	73	3.0	3.0	60	27.0
y	2X	DeKalb XL71	91	88	3.5	3.0	54	28.5
w	3X	DeKalb XL390B	91	67	5.0	2.5	63	35.2
y	2X	VaOM73 x T232	88	83	4.0	2.5	62	32.0
w	M3X	Funk G-4779W	87	67	3.5	2.0	60	34.2
y	M2X	Funk G-4734	86	85	4.0	3.0	57	32.2
y	M2X	Pioneer brand 3187	86	98	3.5	3.0	58	30.3
y	2X	RA 1604	82	90	4.5	4.0	56	34.0
w	3X	O's Gold 2680W	80	81	4.0	3.5	62	33.0
L.S.D. (.05)			18.7					
C.V. %			13.5					
Avg.			98.7					

1/ Hartsells loam (2% to 5% slopes).

2/ Ratings based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 8. Corn: Yield and other characteristics of 28 medium-season hybrids evaluated at Crossville for 2 years (1982-83).

Color	Cross	Hybrid	(1982-83) Yield	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	DeKalb DK-747	142	94	3.8	3.2	55	30.3
y	2X	Pioneer brand 3147	141	78	4.2	3.8	56	29.0
y	2X	O's Gold SX5509	141	91	3.2	4.0	52	30.2
y	2X	Pioneer brand 3320	140	89	2.5	3.0	53	25.8
y	2X	Golden Harvest H-2686	139	75	3.0	3.5	56	31.1
y	2X	Zimmerman Z-24Y	138	72	2.8	3.5	52	24.5
y	2X	Golden Harvest H-2680	138	91	3.8	3.5	55	30.8
y	2X	RA 1502	138	94	4.0	3.0	54	26.6
y	2X	RA 1604	138	95	3.8	3.8	55	24.9
y	2X	Coker 21	136	92	3.8	3.5	57	29.2
y	M2X	Coker 19A	135	87	3.2	3.2	55	26.2
y	2X	Pioneer brand 3184	135	97	3.5	4.5	50	28.2
y	2X	Pioneer brand 3369A	135	78	3.5	3.5	50	24.1
w	3X	DeKalb XL390B	135	82	4.2	2.5	59	29.7
y	2X	McCurdy 8150	134	78	3.2	3.0	59	28.6
y	2X	O's Gold 5291	134	75	3.5	3.2	51	25.1
y	M2X	Funk G-4733	133	93	3.2	3.0	57	27.2
y	2X	DeKalb XL71	132	94	3.0	3.2	52	26.9
y	2X	DeKalb Exp 370	128	93	3.5	4.2	51	28.4
y	2X	USS 1515	128	84	3.8	3.0	49	25.8
w	3X	O's Gold 2680W	127	89	3.5	3.2	59	29.2
y	2X	Asgrow RX777	126	67	3.0	3.8	53	22.8
y	M2X	Pioneer brand 3328	125	98	2.0	3.0	54	26.4
y	M2X	Pioneer brand 3187	123	99	3.0	2.8	57	27.6
y	2X	FFR 848C	122	80	2.8	3.0	58	25.8
y	2X	McCurdy 7978	122	96	3.5	3.8	56	26.8
w	M3X	Funk G-4779W	122	79	3.2	2.5	59	30.9
y	2X	N.K. PX79	122	92	3.5	4.5	50	25.6

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 9. Corn: Yield and other characteristics of 20 medium-season hybrids evaluated at Crossville for 3 years (1981-83).

Color	Cross	Hybrid	(1981-83) Yield	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	Pioneer brand 3369A	148	86	3.0	3.5	51	23.1
y	2X	DeKalb DK-747	148	96	4.0	3.2	55	28.3
y	2X	Pioneer brand 3320	145	92	2.3	3.0	53	26.0
y	2X	Zimmerman Z-24Y	144	80	2.7	3.3	50	23.5
y	2X	Pioneer brand 3147	143	85	4.2	3.7	55	28.3
y	2X	RA 1502	142	96	3.8	3.0	52	25.7
y	2X	Golden Harvest H-2686	141	82	3.2	3.3	55	31.0
w	3X	DeKalb XL390B	140	87	4.8	2.7	55	28.3
y	M2X	Coker 19A	140	90	3.3	3.0	54	24.8
y	2X	O's Gold SX5509	139	93	3.7	3.7	52	28.0
y	2X	Coker 21	138	93	4.0	3.7	55	27.5
y	2X	Pioneer brand 3184	138	98	3.3	4.0	49	25.9
y	2X	Golden Harvest H-2680	138	92	4.2	3.3	53	29.1
y	2X	McCurdy 8150	137	84	3.2	3.0	57	28.5
y	2X	RA 1604	136	95	4.2	3.7	53	27.5
y	M2X	Funk G-4733	135	94	3.0	3.2	55	27.7
y	2X	McCurdy 7978	133	96	3.0	3.7	56	25.8
y	M2X	Pioneer brand 3187	132	99	3.0	3.2	56	27.4
w	3X	O's Gold 2680W	132	89	3.3	3.0	58	28.3
y	M2X	Pioneer brand 3328	129	97	3.0	3.7	54	26.4

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 10. Corn: Yield of 42 full-season hybrids evaluated at four locations in 1983.

Color	Cross	Hybrid	Average without Jackson	Average with Jackson	Knox-ville[1]	Spring Hill[2]	Ames Plantation[3]	Jack-son[4]
					Bushels per acre			
y	2X	Pioneer brand 3165	114	100	148	99	93	58
y	M2X	Pioneer brand 3147	109	92	150	82	96	46
y	2X	DeKalb DK-789[5]	109	92	155	80	92	40
y	M2X	Funk G-4740A	109	93	140	83	104	45
y	M2X	Pioneer brand 3160	105	93	145	74	96	58
y	M2X	FFR 955C	105	92	143	87	85	51
y	2X	McCurdy 8172	105	93	146	80	89	61
y		Funk G-8006X	104	89	150	81	81	44
w	2X	Zimmerman Z-11W	103	87	153	74	82	42
y	2X	Cargill 980	103	91	143	77	88	53
w	2X	Zimmerman Z-14W	103	90	149	85	74	56
w	SP2X	Princeton SP936	101	85	139	75	89	38
y	M2X	Rich Grow EX-9904	101	88	144	82	78	48
y	2X	Paymaster 8990	101	91	138	78	86	66
w	2X	GK 927W [8]	99	82	159	63	76	34
w	2X	Zimmerman Z-52W	99	84	145	69	83	42
y	2X	DeKalb Exp. 378[6]	98	82	132	69	94	35
w	3X	TR 2051	98	83	141	77	78	42
w	M2X	RA 2606W[7]	98	84	136	74	85	45
y	2X	GK 900 [8]	98	88	138	66	90	61
w	2X	Princeton SX910	98	83	138	80	75	40
y	2X	USS 2315	97	92	127	76	87	70
y	2X	P.A.G. SX379	96	86	137	62	89	57
w	2X	Asgrow RX962W	96	82	146	68	74	43
y	2X	Paymaster 9902	96	86	135	65	86	56
y	2X	Cargill 967	94	83	141	73	69	51
y	2X	Jacques JX247	93	82	148	55	74	50
y	3X	DeKalb XL394	93	77	127	69	82	31
y	3X	T153X (K55XCI66)	93	77	145	63	70	36
y	2X	N.K. PX 95	91	78	121	75	78	35
y	2X	Rich Grow EX-7702	91	85	122	64	88	67
w	3X	FFR 929W	91	76	135	64	74	35
w	3X	RA 3605W	90	78	138	53	81	44
y	2X	Golden Harvest H-2775A	90	78	134	58	78	45
w	2X	Golden Harvest H-2660W	90	76	134	71	64	38
y	2X	McCurdy 8221	90	76	126	66	76	43
y	2X	FFR 905C	90	76	129	61	76	43
y	2X	USS 2020	88	79	135	50	79	53
y	2X	GK 925 [8]	87	78	130	56	76	51
y	2X	N.K. PX715	87	74	122	68	71	36
w	3X	Funk G-4787W	87	69	136	56	70	25
w	2X	Pioneer brand 519	87	73	120	65	75	33
L.S.D. (.05)			9.0	7.8	12.4	18.4	15.2	15.3
C.V. %			11.5	13.5	6.4	18.6	13.3	26.4
Avg.			97.0	84.0	138.6	70.8	81.7	46.4

[1] Sequatchie loam (2% to 5% slopes).
[2] Maury silt loam (2% to 5% slopes).
[3] Loring silt loam (2% to 5 % slopes).
[4] Memphis silt loam (2% to 5% slopes).
[5] Evaluated in previous years as EX. 8989.
[6] Evaluated in previous years as RAX 9609W.
[7] Evaluated in previous years as RAX 9609W.
[8] AgraTech seed - formerly Gold Kist.

Table 11. Corn: Yield and other characteristics of 42 full-season hybrids evaluated at four locations in 1983.

Color	Cross	Hybrid	Yield[1]	Erect plants	Grain quality[2]	Husk cover[2]	Ear ht.	Grain moisture at harvest
			Bu/A	%	Rating	Rating	In.	%
y	2X	Pioneer brand 3165	114	99	4.0	3.5	56	20.4
y	M2X	Pioneer brand 3147	109	92	5.8	3.2	57	20.0
y	2X	DeKalb DK-789	109	97	4.2	3.0	57	21.7
y	M2X	Funk G-4740A	109	97	4.2	4.2	51	20.6
y	M2X	Pioneer brand 3160	105	90	4.2	2.5	53	20.5
y	M2X	FFR 955C	105	98	4.8	3.0	56	20.9
y	2X	McCurdy 8172	105	93	4.5	3.0	55	23.3
y		Funk G-8006X	104	95	4.8	3.5	55	23.0
w	2X	Zimmerman Z-11W	103	90	5.8	2.8	63	23.9
y	2X	Cargill 980	103	88	5.0	3.0	55	20.2
w	2X	Zimmerman Z-14W	103	90	4.5	3.0	56	20.8
w	SP2X	Princeton SP936	101	90	5.2	3.0	62	22.8
y	M2X	Rich Grow EX-9904	101	98	4.5	3.2	56	22.0
y	2X	Paymaster 8990	101	90	5.0	3.2	56	20.2
w	2X	GK 927W[3]	99	91	4.2	3.0	62	23.8
w	2X	Zimmerman Z-52W	99	92	5.0	3.2	61	22.6
y	2X	DeKalb Exp. 378	98	96	5.2	3.0	62	23.7
w	3X	TR 2051	98	98	4.5	2.5	61	23.0
w	M2X	RA 2606W	98	96	5.0	3.5	56	24.2
y	2X	GK 900[3]	98	96	5.2	3.5	54	19.6
w	2X	Princeton SX910	98	94	5.5	3.0	60	24.0
y	2X	USS 2315	97	94	4.5	3.2	56	19.6
y	2X	P.A.G. SX379	96	91	5.2	2.8	55	20.6
w	2X	Asgrow RX962W	96	95	4.8	2.8	60	23.5
y	2X	Paymaster 9902	96	95	5.0	2.8	60	23.9
y	2X	Cargill 967	94	95	5.2	4.8	54	18.6
y	2X	Jacques JX247	93	93	4.8	2.8	50	23.0
y	3X	DeKalb XL394	93	98	4.8	3.0	62	23.6
y	3X	T153X (K55XCI66)	93	91	4.2	2.5	58	23.0
y	2X	N.K. PX95	91	96	5.2	3.0	62	22.7
y	2X	Rich Grow EX-7702	91	92	5.2	4.0	48	17.4
w	3X	FFR 929W	91	96	5.5	3.2	60	23.7
w	3X	RA 3605W	90	97	4.2	3.0	61	23.1
y	2X	Golden Harvest H-2775A	90	92	4.5	3.2	53	20.6
w	2X	Golden Harvest H-2660W	90	89	5.0	3.0	57	24.0
y	2X	McCurdy 8221	90	93	4.2	2.8	54	23.0
y	2X	FFR 905C	90	91	5.5	3.0	51	22.0
y	2X	USS 2020	88	91	5.2	4.0	53	22.3
y	2X	GK 925[3]	87	92	5.2	3.5	52	22.6
y	2X	N.K. PX715	87	94	5.2	3.8	58	21.0
w	3X	Funk G-4787W	87	97	5.0	2.5	60	24.2
w	2X	Pioneer brand 519	87	96	4.8	3.0	61	20.9
L.S.D. (.05)			9.0					
C.V. %			11.5					
Avg.			97.5					

1/ Does not include Jackson data due to high C.V. 3/ AgraTech seed - formerly Gold Kist.
2/ A rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 12. Corn: Yield of 25 full-season hybrids evaluated at four locations for two years (1982-83).

Color	Cross	Hybrid	1982-83 Avg.	Knox-ville	Spring Hill	Ames Plantation	Jackson
			Bushels per acre				
y	2X	Pioneer brand 3165	124	165	113	117	100
y	M2X	Pioneer brand 3160	116	160	92	112	103
y	M2X	Pioneer brand 3147	113	154	94	110	93
y	M2X	Funk G-4740A	112	148	95	114	91
y	2X	DeKalb DK-789	111	159	91	102	93
y	2X	DeKalb Exp-378	108	151	84	104	93
w	2X	Zimmerman Z-11W	107	159	87	90	94
y	M2X	FFR 955C	106	152	91	90	91
w	2X	Zimmerman Z-52W	103	153	84	90	87
w	2X	Asgrow RX962W	103	158	79	89	84
w	M2X	RA 2606W	102	146	84	94	85
w	SP2X	Princeton SP936	102	148	84	91	85
w	3X	TR 2051	101	152	80	87	83
w	2X	Princeton SX910	101	148	82	87	85
y	3X	DeKalb XL394	100	141	80	93	85
y	2X	Golden Harvest H-2775A	100	143	72	96	88
y	2X	USS 2020	99	144	67	89	97
w	2X	Golden Harvest H-2660W	99	146	80	85	85
y	2X	N.K. PX95	99	144	84	81	87
w	3X	RA 3605W	99	146	76	87	86
y	2X	N.K. PX715	98	135	84	87	88
w	3X	FFR 929W	98	147	76	84	85
y	2X	GK 925[1/]	97	138	76	87	89
y	2X	FFR 905C	97	144	72	87	84
w	2X	Pioneer brand 519	96	133	81	86	85

[1/] AgraTech seed - formally Gold Kist.

Table 13. Corn: Yield and other characteristics of 25 full-season hybrids evaluated at four locations for 2 years (1982-83).

Color	Cross	Hybrid	(1982-83) Yield	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Moisture at harvest
			Bu/A	%			in.	%
y	2X	Pioneer brand 3165	124	99	3.1	3.6	56	22.0
y	M2X	Pioneer brand 3160	116	95	3.1	2.8	53	21.6
y	M2X	Pioneer brand 3147	113	95	5.0	3.4	56	23.2
y	M2X	Funk G-4740A	112	98	3.9	4.2	49	21.9
y	2X	DeKalb DK-789	111	98	4.0	3.6	56	23.8
y	2X	DeKalb Exp-378	108	97	4.6	3.6	61	25.0
w	2X	Zimmerman Z-11W	107	94	4.4	2.6	61	23.9
y	M2X	FFR 955C	106	98	3.5	3.5	56	22.6
w	2X	Zimmerman Z-52W	103	95	4.2	3.1	60	23.6
w	2X	Asgrow RX962W	103	97	4.0	2.9	58	24.2
w	M2X	RA 2606W	102	96	4.1	3.4	54	25.3
w	SP2X	Princeton SP936	102	94	4.5	3.3	61	24.6
w	3X	TR 2051	101	99	3.8	2.4	60	23.4
w	2X	Princeton SX910	101	95	4.2	2.8	57	24.6
y	3X	DeKalb XL394	100	98	3.8	3.0	61	25.4
y	2X	Golden Harvest H-2775A	100	93	4.0	3.2	50	21.6
y	2X	USS 2020	99	93	4.6	3.6	52	23.8
w	3X	Golden Harvest H-2660W	99	93	4.0	3.0	57	24.5
y	2X	N.K. PX95	99	97	4.4	3.3	60	24.0
w	3X	RA 3605W	99	97	3.8	2.8	58	24.3
y	2X	N.K. PX715	98	96	5.2	4.1	57	22.1
w	3X	FFR 929W	98	96	4.8	3.0	60	23.5
y	2X	GK 925[2/]	97	93	4.7	3.8	52	23.8
y	2X	FFR 905C	97	94	5.0	3.4	51	23.6
w	2X	Pioneer brand 519	96	97	3.8	2.4	59	20.9

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.
2/ AgraTech seed - formally Gold Kist.

Table 14. Corn: Yields of 19 full-season hybrids evaluated at four locations for 3 years (1981-83).

Color	Cross	Hybrid	1981-83 Avg.	Knox-ville	Spring Hill	Ames Plantation	Jackson
			Bushels per acre				
y	M2X	Pioneer brand 3147	124	160	106	121	110
y	M2X	Funk G-4740A	123	149	106	126	110
y	M2X	Pioneer brand 3160	123	160	106	114	111
y	2X	DeKalb DK-789	122	157	103	122	106
y	2X	DeKalb Exp-378	117	148	100	114	106
y	M2X	FFR 955C	117	157	98	108	104
w	2X	Zimmerman Z-11W	117	162	99	99	107
w	2X	Zimmerman Z-52W	113	154	90	104	104
w	SP2X	Princeton SP936	111	152	94	103	97
y	2X	Golden Harvest H-2775A	111	149	87	108	101
w	2X	Golden Harvest H-2660W	110	151	93	96	102
y	3X	DeKalb XL394	110	141	96	102	100
w	2X	Princeton SX910	109	151	91	91	101
w	3X	RA 3605W	108	146	89	96	99
w	3X	FFR 929W	107	146	90	95	97
y	2X	USS 2020	107	145	78	96	107
y	2X	FFR 905C	107	144	83	104	97
y	2X	GK 925[1/]	106	145	84	95	102
w	2X	Pioneer brand 519	105	133	91	100	96

[1/] AgraTech seed - formerly Gold Kist.

Table 15. Corn: Yield and other characteristics of 19 full-season hybrids evaluated at four locations for 3 years (1981-83).

Color	Cross	Hybrid	1981-83 yield	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	M2X	Pioneer brand 3147	124	96	4.7	3.7	55	21.2
y	M2X	Funk G-4740A	123	98	3.8	4.5	49	20.3
y	M2X	Pioneer brand 3160	123	96	2.7	2.8	54	20.3
y	2X	DeKalb DK-789	122	98	4.0	3.8	55	22.1
y	2X	DeKalb Exp-378	117	98	4.6	3.8	61	22.7
y	M2X	FFR 955C	117	98	3.2	3.5	57	20.8
w	2X	Zimmerman Z-11W	117	95	3.9	2.6	61	22.0
w	2X	Zimmerman Z-52W	113	96	3.8	3.1	60	21.8
w	SP2X	Princeton SP936	111	96	4.2	3.1	60	22.4
y	2X	Golden Harvest H-2775A	111	94	3.7	3.2	51	20.2
w	2X	Golden Harvest H-2660W	110	95	3.7	2.8	59	22.6
y	3X	DeKalb XL394	110	98	3.5	2.9	62	23.1
w	2X	Princeton SX910	109	96	3.8	2.6	58	22.7
w	3X	RA 3605W	108	96	3.3	2.9	59	22.3
w	3X	FFR 929W	107	97	4.2	2.9	59	21.8
y	2X	USS 2020	107	95	4.4	3.3	52	21.7
y	2X	FFR 905C	107	95	4.7	3.4	52	21.5
y	2X	GK 925	106	95	4.6	3.7	53	21.6
w	2X	Pioneer brand 519	105	97	3.5	2.3	60	19.7

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 16. Corn: Yield of 26 early-maturing hybrids evaluated at three locations in 1983.

Color	Cross	Hybrid	Avg.	Knox-[1/] ville	Cross-[2/] ville	Ames[3/] Plantation
				Bushels per acre		
y	2X	Pioneer brand 3389	121	152	104	108
y	2X	McCurdy 7800	114	144	102	98
y	2X	Pioneer brand 3358	114	132	98	112
y	2X	USS 7001	113	124	110	105
y	2X	O's Gold 2570	112	137	96	103
y	2X	P.A.G. SX329	110	120	110	100
y	2X	McCurdy 81-82	110	140	88	102
y	2X	McCurdy 81-34	105	139	88	88
y	2X	O's Gold 3344	104	136	98	80
y	2X	Jacques 7900	103	114	106	88
y	2X	P.A.G. SX333	103	127	91	90
y	2X	FFR 788C	101	119	97	86
y	2X	Trojan TXS115A	101	121	95	86
y	M2X	Funk G-4522	100	118	96	86
y	3X	Rich Grow EX-5501	100	124	93	82
y	2X	Coker 19	100	123	83	93
y	3X	FFR 726C	99	124	88	84
y	2X	Golden Harvest H-2604	98	114	98	84
y	2X	RA 1501	96	114	84	89
y	2X	FFR 744C	95	120	79	88
y	2X	Coker 8570	95	124	82	79
y	2X	O's Gold 6882	93	114	82	83
y	2X	N.K. PX 9413	90	109	90	71
y	3X	FFR 799C	90	118	69	81
y	M2X	FFR 717C	87	114	75	71
y	2X	DeKalb T1100	86	109	95	73
L. S. D. (.05)			9.2	11.7	21.5	13.0
C.V. %			11.4	6.8	16.7	10.3
Avg.			101.5	124.2	91.4	88.8

1/ Sequatchie loam (2% to 5% slopes).
2/ Hartsells loam (2% to 5% slopes).
3/ Loring silt loam (2% to 5% slopes).

Table 17. Corn: Yield and other characteristics of early-maturing hybrids evaluated at three locations in 1983.

Color	Cross	Hybrid	Avg.	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Grain moisture at harvest
				%			in.	%
y	2X	Pioneer brand 3389	121	98	3.2	3.5	58	19.5
y	2X	McCurdy 7800	114	78	3.8	3.5	54	22.3
y	2X	Pioneer brand 3358	114	99	4.0	4.0	58	22.2
y	2X	USS 7001	113	82	6.1	3.5	54	20.5
y	2X	O's Gold 2570	112	76	4.5	3.0	59	21.6
y	2X	P.A.G. SX329	110	100	5.0	4.5	52	18.1
y	2X	McCurdy 81-82	110	97	4.5	3.0	57	22.8
y	2X	McCurdy 81-34	105	96	3.8	4.5	50	21.9
y	2X	O's Gold 3344	104	90	5.0	2.5	55	19.8
y	2X	Jacques 7900	103	92	5.0	5.5	59	21.2
y	2X	P.A.G. SX333	103	89	5.8	5.0	54	20.4
y	2X	FFR 788C	101	93	5.0	4.5	56	21.9
y	2X	Trojan TXS115A	101	83	5.0	3.0	58	21.0
y	M2X	Funk G-4522	100	77	4.0	3.0	58	20.9
y	3X	Rich Grow EX-5501	100	74	3.5	3.5	56	17.1
y	2X	Coker 19	100	87	5.0	4.5	59	21.5
y	3X	FFR 726C	99	97	5.0	3.0	53	21.3
y	2X	Golden Harvest H-2604	98	88	4.0	4.5	58	19.3
y	2X	RA 1501	96	85	6.5	5.5	56	21.3
y	2X	FFR 744C	95	81	5.5	5.0	58	21.8
y	2X	Coker 8570	95	94	5.0	3.0	49	18.2
y	2X	O's Gold 6882	93	90	5.0	3.5	50	18.1
y	2X	N.K. PX9413	90	82	4.0	4.0	48	16.0
y	3X	FFR 799C	90	84	6.2	4.5	55	21.5
y	M2X	FFR 717C	87	90	4.2	3.5	55	18.0
y	2X	DeKalb T1100	86	98	5.0	4.5	50	17.7

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 18. Corn: Yield of 14 early-maturing hybrids evaluated at three locations for 2 years 1982-83.

Color	Cross	Hybrid	(1982-83) Avg.	Cross-ville	Knox-ville	Ames Plantation
			Bushels per acre			
y	2X	Pioneer brand 3389	137	140	159	111
y	2X	Pioneer brand 3358	134	142	144	114
y	2X	O's Gold 2570	129	127	145	115
y	2X	McCurdy 81-34	120	121	142	96
y	2X	O's Gold 3344	119	122	139	95
y	3X	FFR 726C	118	120	136	96
y	2X	Funk G-4522	117	124	133	94
y	2X	FFR 788C	117	130	127	92
y	2X	Coker 19	113	105	131	104
y	2X	O's Gold 6882	113	120	128	92
y	2X	RA 1501	111	111	120	102
y	M2X	FFR 717C	111	116	134	83
y	3X	FFR 799C	111	111	126	96
y	2X	FFR 744C	108	112	123	91

Table 19. Corn: Yield and other characteristics of early-maturing hybrids evaluated at three locations for 2 years 1982-83.

Color	Cross	Hybrid	(1982-83) Yield	Erect plants	Grain quality rating 1/	Husk cover rating 1/	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	Pioneer brand 3389	137	99	3.1	4.5	56	22.3
y	2X	Pioneer brand 3358	134	99	3.8	4.5	56	24.3
y	2X	O's Gold 2570	129	86	3.8	3.4	53	25.7
y	2X	McCurdy 81-34	120	98	3.3	4.9	50	24.6
y	2X	O's Gold 3344	119	92	4.5	3.4	52	22.6
y	3X	FFR 726C	118	97	5.2	4.2	51	23.8
y	2X	Funk G-4522	117	88	3.8	3.5	52	23.9
y	2X	FFR 788C	117	95	4.8	4.6	54	24.2
y	2X	Coker 19	113	92	4.9	4.4	55	23.2
y	2X	O's Gold 6882	113	94	4.6	4.4	48	21.4
y	2X	RA 1501	111	88	5.5	4.8	53	23.8
y	M2X	FFR 717C	111	94	3.8	3.5	55	20.9
y	3X	FFR 799C	111	91	5.2	4.6	52	24.0
y	2X	FFR 744C	108	88	5.2	4.9	54	23.7

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 20. Corn: Yield of early-maturing hybrids evaluated at 3 locations for 3 years 1981-83.

Color	Cross	Hybrid	(1981-83) Avg.	Cross-ville	Knox-ville	Ames Plantation
				Bushels per acre		
y	2X	O's Gold 3344	127	126	150	104
y	2X	Funk G-4522	122	129	136	101
y	2X	FFR 788C	122	132	132	101
y	2X	Coker 19	121	116	136	111
y	2X	O's Gold 6882	120	128	135	96
y	2X	FFR 799C	119	122	131	103
y	2X	RA 1501	117	118	128	105
y	2X	FFR 744C	116	121	128	98
y	2X	FFR 717C	115	122	136	88

Table 21. Corn: Yield of early-maturing hybrids evaluated at 3 locations for 3 years 1981-83.

Color	Cross	Hybrid	(1981-83) Yield	Erect plants	Grain quality rating[1/]	Husk cover rating[1/]	Ear ht.	Grain moisture at harvest
			Bu/A	%			in.	%
y	2X	O's Gold 3344	127	93	4.3	3.3	53	20.8
y	2X	Funk G-4522	122	91	3.8	3.5	53	22.0
y	2X	FFR 788C	122	96	4.6	4.2	53	22.1
y	2X	Coker 19	121	94	4.7	4.3	54	21.4
y	2X	O's Gold 6882	120	95	4.7	4.6	47	20.1
y	2X	FFR 799C	119	93	4.6	4.7	52	22.2
y	2X	RA 1501	117	92	6.0	4.4	53	21.8
y	2X	FFR 744C	116	91	5.0	4.8	53	21.8
y	2X	FFR 717C	115	94	3.8	3.3	53	19.6

1/ Rating based on a scale of 1 through 9 with 1 being excellent and 9 poor.

Table 22. Corn: Yield and other characteristics of 34 extra hybrids evaluated at Knoxville in 1983.[1]

Color	Cross	Hybrid	Yield	Grain quality	Ear ht.	Grain moisture at harvest
			Bu/A	Rating[2]	In.	%
y	2X	Pioneer brand 3147	160	3.5	63	25.2
y		RA 3612	159	5.5	63	22.2
y	2X	Jacques 8400	155	3.5	60	24.2
y	2X	Beck's 90X	148	3.0	54	22.8
y	M2X	Rich Grow EX9904	148	2.5	60	25.8
y	2X	McCurdy 8225	147	3.0	67	25.4
y	2X	Zimmerman Z-23	147	3.0	67	24.3
y	2X	Beck's 85MDM	144	4.0	63	23.9
y	2X	RAX 9505C	142	4.5	55	24.9
y	3X	Asgrow RX144	141	2.0	56	23.6
y		RA 3611	141	6.0	63	22.3
w	2X	FFR Exp. 14172	140	4.5	60	25.9
y	M2X	Funk Exp. 6000X	140	3.0	58	22.2
y	2X	Pioneer brand 3184	140	3.5	60	23.6
w	M2X	Rich Grow EX9901-W	139	3.5	66	26.5
y		Princeton SX870	139	4.0	54	26.4
w	2X	P.A.G. SX70W	138	2.5	56	27.2
y	2X	Jacques JX227	138	4.5	62	20.8
y	2X	McCurdy 8155	137	3.0	62	23.5
y	M2X	Funk Exp. 6001X	135	3.5	56	21.1
y	3X	Coker 22	135	3.5	54	25.0
y	2X	Golden Harvest H-2675	135	3.5	58	23.6
y	2X	P.A.G. Exp. 386036W	134	4.5	65	24.9
y	3X	Funk Exp. 7007A	134	4.0	61	23.8
y	2X	Rich Grow EX-9905	133	4.0	55	26.4
y	2X	T.E. 6998	133	4.5	54	27.0
y	2X	Jacques 8100	131	6.0	60	20.6
y	2X	Rich Grow EX7703	129	4.0	60	22.0
y	2X	Zimmerman Z-25Y	127	3.0	58	25.7
y	2X	Rich Grow EX-7702	126	5.0	55	22.8
y	3X	Golden Harvest H-2745	125	3.0	56	24.2
y	2X	T.E. 6995A	125	6.0	51	20.6
y	3X	Rich Grow EX-5501	124	3.5	54	19.2
		Princeton Exp. 93383	119	4.0	61	29.6
L.S.D. (.05)			12.0	-	-	-
C.V. %			6.2	-	-	-
Avg.			137.9	-	-	-

1/ Sequatchie loam (2% to 5% slopes).

2/ Rating was based on a scale of 1 through 9 with 1 being excellent and 9 poor.