

Penn State University 2008 Grain Results

Table 2. Short-season (Maturity Zone 1) hybrid performance for individual locations; yield is in bushels per acre.

<u>BRAND</u>	<u>HYBRID</u>	<u>TIOGA</u>	<u>CLARION</u>	<u>BRADFORD</u>
Augusta	A06-62HX	163.2	85.0	186.3
Augusta	A26-53VT3	174.7	131.3	193.2
Augusta	A2744CB	181.7	120.1	206.3
Augusta	A28-52GTCBLL	177.9	135.3	208.3
DEKALB	DKC46-60(VT3)	154.3	134.2	172.1
DEKALB	DKC50-44(VT3)	178.3	144.4	211.4
Doebler's	552GR	189.8	131.7	211.2
Doebler's	605BVR	157.0	106.9	169.2
Growmark FS	4861VT3	180.6	131.7	179.4
Growmark FS	5484VT3	173.7	123.9	180.1
T. A. Seeds	TA497-11	163.5	118.7	190.9
#1 ⇒ T. A. Seeds	TA500-16	179.5	105.5	206.7
#1 ⇒ T. A. Seeds	TA555-13V	182.6	126.5	192.2
Trisler	T-1S61VT3	190.2	141.8	188.1
Trisler	T-2S62VT3	196.8	141.7	188.2
	MEAN	176.3	125.2	192.2
	CV	9.2	16.5	9.9
	LSD(0.1)	14.2	13.8	15.8

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Table 1. Early medium-season (Maturity Zone 2) hybrid performance combined across five locations.

<u>Brand</u>	<u>Hybrid</u>	<u>Traits</u> ¹	<u>Seed trt.</u> ²	<u>Grain Moisture (%)</u>	<u>Grain Yield (bu/acre)</u>	<u>Erect Plants (%)</u>	<u>Bushel Weight (lbs)</u>
T. A. Seeds	TA534-11	ECB LL	C250	17.9	155.7	96.3	54.4
DEKALB	DKC52-59(VT3)	ECB CRW TG	P250	18.2	171.8	98.7	55.2
NK Seeds	N48G-CB/LL/RW	ECB CRW LL	C250	18.9	163.7	96.9	52.7
DEKALB	DKC54-49(VT3)	ECB CRW TG	P250	19.1	165.3	97.6	56.5
Trisler	T-5N52VT3	TG ECB CRW	P250	20.5	177.1	98.0	55.3
NK Seeds	N54B-CB/LL	ECB LL	C250	20.7	167.8	99.7	53.1
Growmark FS	6154VT3	ECB CRW TG	P250	21.2	168.4	98.2	55.8
Doebler's	634BVR	ECB CRW TG	P250	21.2	161.1	96.8	55.5
Growmark FS	6277VT3	ECB CRW TG		21.6	162.4	90.3	53.1
Doebler's	660BVR	ECB CRW TG	P250	22.2	163.4	94.1	53.1
Augusta	A3387RRCB	TG ECB		22.3	172.7	97.5	53.8
Augusta	A07-40	NONE		22.4	179.5	98.3	55.0
Augusta	A06-07CBLL	ECB LL		22.9	173.5	97.5	53.1
T. A. Seeds	TA607-20	ECB CRW TG LL	C250	23.0	172.3	99.9	52.8
Trisler	T-5N51VT3	TG ECB CRW	P250	24.1	181.4	98.5	54.1
T. A. Seeds	TA688-11	ECB LL	P250	24.7	170.2	97.5	53.3
Trisler	T-6N52VT3	TG ECB CRW	P250	24.8	180.7	98.9	54.1
Augusta	A07-20GTCB	TG ECB		25.0	165.0	93.4	51.7
Augusta	A06-04HX	ECB LL		25.6	164.0	99.7	52.7
#1 ⇒ T. A. Seeds	TA676-13V	ECB CRW TG	C250	25.7	174.3	97.0	53.7
			MEAN	22.1	169.5	97.2	54.0
			CV	14.3	12.0	6.8	3.8
			LSD(0.10)	0.8	7.6	2.7	0.7

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Table 2. Early medium-season (Maturity Zone 2) hybrid performance for individual locations; yield is in bushels per acre.

<u>Brand</u>	<u>Hybrid</u>	<u>Centre</u>	<u>Columbia</u>	<u>Indiana</u>	<u>Blair</u>	<u>Clinton</u>
Trisler	T-6N52VT3	186.9	174.4	191.1	180.5	165.1
Trisler	T-5N51VT3	183.0	187.9	186.8	190.2	156.5
Trisler	T-5N52VT3	173.1	182.5	181.5	192.0	153.2
#1 ⇨ T. A. Seeds	TA534-11	154.5	149.0	159.8	158.4	152.3
#1 ⇨ T. A. Seeds	TA607-20	168.4	178.3	183.1	175.6	146.5
#1 ⇨ T. A. Seeds	TA688-11	176.5	171.7	176.6	177.5	142.9
#1 ⇨ T. A. Seeds	TA676-13V	177.0	177.2	188.0	188.1	156.5
DEKALB	DKC52-59(VT3)	153.5	177.0	191.6	181.5	156.8
DEKALB	DKC54-49(VT3)	164.3	171.5	176.0	176.1	138.7
Doebler's	634BVR	152.3	163.8	174.2	180.3	145.6
Doebler's	660BVR	164.8	173.0	151.4	171.4	147.7
NK Seeds	N48G-CB/LL/RW	161.8	168.7	181.1	181.9	142.1
NK Seeds	N54B-CB/LL	176.0	163.6	166.0	169.9	159.5
Augusta	A06-07CBLL	172.3	187.2	183.5	172.1	151.4
Augusta	A3387RRCB	158.3	192.7	170.0	179.9	147.0
Augusta	A07-40	176.3	188.2	195.0	178.5	147.3
Augusta	A06-04HX	170.6	166.5	172.1	165.3	147.1
Augusta	A07-20GTCB	163.1	179.5	169.9	158.7	153.0
Growmark FS	6154VT3	178.0	172.3	178.7	168.0	147.6
Growmark FS	6277VT3	162.0	174.9	156.5	186.4	152.3
	MEAN	168.2	175.4	176.7	177.7	151.0
	CV	11.2	9.5	8.1	12.3	11.0
	LSD(0.1)	NS	12.1	9.4	NS	NS

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Table 1. Late medium-season (Maturity Zone 3) hybrid performance combined across three locations.

<u>Brand</u>	<u>Hybrid</u>	<u>Traits</u> ¹	<u>Seed trt.</u> ²	<u>Grain Moisture (%)</u>	<u>Grain Yield (bu/acre)</u>	<u>Erect Plants (%)</u>	<u>Bushel Weight (lbs)</u>
DEKALB	DKC61-69(VT3)	ECB CRW TG	P250	19.4	175.2	98.2	54.1
NK Seeds	N64Z5	ECB LL	C250	19.5	179.0	99.2	53.6
Trisler	T-8N52PLRR	ECB CRW TG	P250	19.8	171.1	99.2	55.1
DEKALB	DKC61-19(VT3)	ECB CRW TG	P250	20.4	179.7	99.4	54.9
Growmark FS	6388VT3	ECB CRW TG	P250	20.8	169.1	98.7	54.5
Trisler	T-7N51VT3	ECB CRW TG	P250	20.8	161.9	99.2	54.7
Augusta	A06-06CBLL	ECB LL		21.1	179.0	99.8	53.0
Augusta	A08-11CB	ECB CRW TG		21.3	180.2	99.4	52.8
Growmark FS	6280XRR	CRW TG	P250	21.4	173.9	98.8	54.0
Augusta	A08-07HX	ECB LL		21.5	174.7	98.2	53.3
DEKALB	DKC64-24(VT3)	ECB CRW TG	P250	21.5	179.9	99.8	55.1
Garst	83L65-CB/LL/RW	ECB CRW LL	C250	21.8	184.6	100.0	53.9
NK Seeds	N74C-HX1 LL	ECB LL	C250	21.8	173.2	99.9	53.9
NK Seeds	N73V-CB /LL	ECB LL	C250	21.9	172.5	99.4	53.5
Growmark FS	7712VT3	ECB CRW TG	P250	21.9	171.2	98.4	54.4
Trisler	T-8A02VT3	ECB CRW TG	P250	22.0	167.7	100.0	54.5
T. A. Seeds	TA777-11	ECB LL	C250	22.1	176.6	99.2	53.7
Garst	83X58-CB/LL	ECB LL	C250	22.1	182.2	99.6	54.0
DEKALB	DKC63-42(VT3)	ECB CRW TG	P250	22.3	186.1	99.4	53.6
Garst	83A22-CB/LL	ECB LL	C250	22.5	175.7	100.0	55.1
#1 ⇒ T. A. Seeds	TA780-01	ECB	P250	22.9	180.9	99.0	53.2
Augusta	A08-01GTGB	ECB TG		23.0	162.1	96.2	53.7
Doebler's	786BVR	ECB CRW TG	P250	23.6	187.8	99.6	54.7
Augusta	A08-10CB	ECB		24.3	179.7	99.6	53.5
Augusta	A08-08VT3	ECB CRW TG		24.6	169.5	99.6	53.0
T. A. Seeds	TA765-00	NONE	C250	24.6	174.6	98.0	55.0
Doebler's	735BVR	ECB CRW TG	P250	24.8	180.0	100.0	54.8
			MEAN	22.0	177.2	99.2	54.1
			CV	9.3	20.6	2.7	3.0
			LSD(0.1)	0.9	9.2	NS	0.8

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Table 2. Late medium-season (Maturity Zone 3) hybrid performance for individual locations; yield is in bushels per acre.

<u>Brand</u>	<u>Hybrid</u>	<u>Clinton</u>	<u>Lycoming</u>	<u>Union</u>
Trisler	T-8N52PLRR	145.8	191.3	180.7
Trisler	T-8A02VT3	121.0	193.5	191.3
Trisler	T-7N51VT3	124.7	189.2	170.8
#1 ⇨ T. A. Seeds	TA765-00	140.8	198.5	187.8
#1 ⇨ T. A. Seeds	TA777-11	139.5	198.1	189.3
#1 ⇨ T. A. Seeds	TA780-01	128.3	213.1	194.8
DEKALB	DKC61-19(VT3)	147.7	203.5	197.6
DEKALB	DKC61-69(VT3)	144.6	195.7	187.8
DEKALB	DKC63-42(VT3)	149.6	214.8	176.3
DEKALB	DKC64-24(VT3)	149.8	202.8	194.9
Doebler's	735BVR	142.2	209.6	181.4
Doebler's	786BVR	137.6	230.3	192.1
NK Seeds	N64Z5	140.4	210.3	182.1
NK Seeds	N73V-CB /LL	132.0	202.1	197.2
NK Seeds	N74C-HX1 LL	122.1	215.6	182.5
Garst	83X58-CB/LL	128.1	221.4	194.5
Garst	83A22-CB/LL	125.1	205.6	194.2
Garst	83L65-CB/LL/RW	155.9	206.0	186.8
Augusta	A06-06CBLL	126.1	218.7	185.1
Augusta	A08-01GTCTB	115.2	202.9	177.8
Augusta	A08-07HX	134.4	211.4	189.7
Augusta	A08-08VT3	128.1	191.7	188.8
Augusta	A08-11CB	140.1	217.4	194.9
Augusta	A08-10CB	145.9	208.3	186.2
Growmark FS	6388VT3	133.3	193.8	186.4
Growmark FS	6280XRR	148.7	195.8	180.7
Growmark FS	7712VT3	118.4	200.4	190.4
	MEAN	133.7	205.6	187.8
	CV	15.3	12.6	6.9
	LSD(0.1)	16.2	15.7	9.5

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Table 1. Late-season (Maturity Zone 4) hybrid performance combined across three locations.

<u>Brand</u>	<u>Hybrid</u>	<u>Traits</u> ¹	<u>Seed trt.</u> ²	<u>Grain Moisture (%)</u>	<u>Grain Yield (bu/acre)</u>	<u>Erect Plants (%)</u>	<u>Bushel Weight (lbs)</u>
#1 ⇒ T. A. Seeds	TA780-13V	ECB CRW TG	P250	23.2	168.1	99.9	53.9
#1 ⇒ T. A. Seeds	TA788-11	ECB LL	P250	23.3	159.5	99.8	53.2
Doebler's	786BVR	ECB CRW TG	P250	23.4	170.0	99.9	53.6
Augusta	A5337RRCB	TG ECB		23.5	169.3	99.8	53.1
DEKALB	DKC65-44(VT3)	ECB CRW TG	P250	23.5	167.6	99.6	56.1
Doebler's	735BVR	ECB CRW TG	P250	23.7	169.5	99.9	54.1
Augusta	A07-08			24.5	154.7	99.9	55.8
Augusta	A76-64CB	ECB		24.9	154.4	100.0	53.7
Augusta	A007Q			25.1	160.3	99.9	55.8
Trisler	T-9J38RRCB	ECB CRW TG	P250	25.4	152.2	99.8	55.7
Augusta	A08-61CB	ECB		25.8	168.3	99.9	53.1
DEKALB	DKC69-40(VT3)	ECB CRW TG	P250	26.7	164.1	100.0	55.0
	MEAN			24.4	163.2	99.9	54.4
	CV			18.7	17.4	0.5	4.8
	LSD(0.1)			1.3	NS	NS	1.4

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Table 2. Late-season (Maturity Zone 4) hybrid performance for individual locations; yield is in bushels per acre.

	<u>Brand</u>	<u>Hybrid</u>	<u>Lancaster</u>	<u>York</u>	<u>Berks</u>
	Trisler	T-9J38RRCB	113.1	170.5	173.2
#1 ⇨	T. A. Seeds	TA780-13V	140.6	179.3	192.4
#1 ⇨	T. A. Seeds	TA788-11	123.1	162.7	194.0
	DEKALB	DKC65-44(VT3)	135.2	169.3	198.9
	DEKALB	DKC69-40(VT3)	134.2	173.1	185.9
	Doebler's	735BVR	139.7	177.6	196.5
	Doebler's	786BVR	137.5	175.1	208.0
	Augusta	A5337RRCB	140.8	174.8	194.5
	Augusta	A007Q	114.4	162.2	198.9
	Augusta	A07-08	116.0	152.4	194.4
	Augusta	A08-06CB	127.7	156.7	186.9
	Augusta	A08-61CB	144.9	169.0	186.5
		MEAN	130.6	168.6	192.5
		CV	11.5	7.3	7.5
		LSD(0.1)	12.7	9.8	NS