

# Hybrid Test Reports

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## TWO-YEAR AVERAGE

Table 3. Two-year average of early medium-season (Maturity Zone 2) hybrids that were entered in both the 2001 and 2002 tests.

Brand-Hybrid	Grain Moisture (%)	Grain Yield (bu/acre)	Erect Plants (%)	Bushel Weight (lbs)
Doebler's 508 X	20.3	111.4	97.0	55.7
Agway AG5605	20.6	118.1	95.9	53.8
Agway AG5619	22.0	112.2	94.8	53.4
Agway AG5610	22.2	119.9	97.2	58.9
Dekalb DK058-78	22.7	127.8	96.7	51.6
NK Brand N86-D1	23.5	130.5	97.4	53.8
NK Brand N84-L5	24.0	115.6	95.1	52.8
MEAN	22.2	118.1	96.6	53.8

## LOCATION DETAILS

Table 4. Location, cooperator, planting date, harvesting date, growing degree days<sup>1</sup> (GDD) for 2002 season, and 30-year average GDD for early medium-season (Maturity Zone 2) hybrid tests.

Location (County)	Cooperator	Planting Date	Harvest Date	GDD (2002)	GDD (30-yr Ave.)
Blair	Dave Clark	May 18	Not harvested		
Butler	Duane Lauer	May 28	Not harvested		
Centre	Penn State	May 21	November 14	2,858	2,247
Clinton	Charles Dottener	May 11	October 29	2,902	2,478
Columbia	Craig Richards	May 18	Not harvested		
Lycoming	Charles Ulmer	May 24	October 28	2,642	2,258

<sup>1</sup> GDD data calculated by ZedX, Inc., 388 Rolling Ridge Dr., Bellefonte, PA 16823. GDD are calculated from the planting date until harvest or through October 10, whichever occurred first. Thirty-year averages are calculated using the same dates.

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## Pennsylvania Commercial Hybrid Corn Tests Report

Late medium-season hybrids (Maturity Zone 3) 2002 results

### AVERAGE OVER LOCATIONS

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

Brand-Hybrid	Grain Moisture (%)	Grain Yield (bu/acre)	Erect Plants (%)	Bushel Weight (lbs)
Asgrow RX864	23.3	161.7	99.2	51.7
Keystone B60F	23.8	150.7	99.4	52.1
Dekalb DKC60-08	23.9	154.3	100.0	53.3
Doebler's 649 XY	24.3	170.2	98.7	52.9
Dekalb DKC59-08	24.9	146.4	99.3	54.1
Keystone B56V	24.9	140.6	98.7	52.8
Hyltest HT7675	24.9	171.2	99.9	52.5
Gies 6410 R	25.0	169.5	99.2	51.8
Keystone B54V	25.0	150.1	98.7	52.6
Agway AG6191	25.4	180.5	100.0	51.9
Doebler's HC580	25.6	182.0	99.6	53.0
Agway AG6001	25.9	157.1	99.2	54.3
Chemgro 7430 RR Bt	26.2	156.3	98.8	50.5
Asgrow RX708 YG	26.2	154.3	99.1	52.3
NK Brand N85-Y3	26.3	149.9	99.8	53.2
NC+ 5172 B	26.3	154.2	100.0	53.0
Keystone B63C	26.6	141.1	100.0	52.1
Keystone B64	26.6	163.3	99.0	50.9
Hyltest HT7761	26.7	167.3	99.0	52.4
Hyltest HT7785	28.0	183.1	98.9	50.5
NK Brand N72-V7	28.7	149.0	98.6	52.5
Doebler's 760 DT	28.8	160.4	96.6	51.0
NC+ 6362 B	32.6	150.2	100.0	51.9
MEAN	26.1	157.5	99.3	52.3
LSD (0.05)	1.1	NS	1.2	NS

NS: Not Significant.

### ENTRIES BY LOCATION

Table 2. Late medium-season (Maturity Zone 3) hybrid performance for individual locations; yield is in bushels per acre, leaf height (LH) ratings are 0.5-1.0 where 0.5 equals little or no disease and 1.0 equals premature death.

Brand-Hybrid	Lycoming		Clinton	Dauphin (Hershey)	Lancaster		Dauphin (Paxton)	
	(Yield)	(LH)			(Yield)	(LH)	(Yield)	(LH)
Agway AG6001	128.8	1.3	184.3	58.2	80.4	2.8	48.1	2.7
Agway AG6191	145.5	1.4	175.5	54.7	50.5	2.4	38.7	2.2
Asgrow RX864	180.1	2.1	183.2	57.9	57.5	3.2	48.8	2.9
Asgrow RX708 YG	137.8	2.0	170.8	50.5	49.7	3.1	38.9	3.3
Chemgro 7430 RR Bt	138.8	0.8	173.8	35.3	38.4	3.3	32.9	3.3
Dekalb DKC59-08	139.1	2.3	153.8	40.7	88.1	3.3	43.2	2.7
Dekalb DKC60-08	130.5	1.8	178.0	31.8	85.2	2.4	52.9	2.1
Doebler's 649 XY	152.5	0.8	187.8	54.2	60.1	2.8	53.8	2.3
Doebler's 760 DT	143.3	1.1	177.4	58.8	54.8	1.8	55.5	1.8
Doebler's HC580	187.2	0.7	198.4	51.1	82.8	2.3	51.8	1.4
Gies 6410 R	152.0	1.2	186.9	38.7	44.1	3.0	44.8	2.1
Hyltest HT7675	170.7	1.4	171.7	85.5	58.8	2.5	44.1	3.1
Hyltest HT7761	158.9	1.7	174.7	43.6	60.7	2.3	48.8	1.4
Hyltest HT7785	157.5	2.1	188.7	34.1	51.2	2.4	48.2	1.7
Keystone B54V	135.4	1.1	184.7	45.7	80.4	3.1	38.6	2.2
Keystone B60F	118.8	1.8	184.5	47.5	54.5	2.6	42.3	1.8
Keystone B63C	144.3	1.7	157.0	84.8	53.7	2.9	51.1	1.8
Keystone B64	138.2	1.2	156.8	43.8	48.8	2.9	40.0	2.8
Keystone B84	150.5	1.2	178.0	38.2	47.8	2.8	38.5	1.8
NC+ 5172 B	145.6	1.3	182.8	55.2	70.3	2.5	52.5	1.2
NC+ 6362 B	148.0	0.8	154.4	24.7	41.9	1.8	47.3	0.7
NK Brand N85-Y3	150.1	2.1	149.8	58.2	55.2	2.6	58.1	1.5
NK Brand N72-V7	140.4	1.4	157.6	44.2	50.1	2.8	47.1	2.7
MEAN	145.2	1.5	180.8	48.4	55.7	2.7	48.4	2.1
LSD (0.05)	NS	0.5	21.4	12.9	9.1	0.5	9.3	0.6

NS: Not Significant.

## TWO-YEAR AVERAGE

Table 3. Two-year average of late medium-season (Maturity Zone 3) hybrids that were entered in both the 2001 and 2002 tests.

Brand-Hybrid	Grain Moisture (%)	Grain Yield (bu/acre)	Erect Plants (%)	Bushel Weight (lbs)
Dekalb DKC60-08	22.1	181.8	100.0	54.7
Doebler's 649 XY	22.8	150.3	99.3	53.8
Agway AG6191	23.1	147.8	99.9	54.1
Agway AG6001	23.1	138.2	98.4	54.3
Doebler's 760 DT	25.7	181.7	98.9	52.9
NK Brand N72-V7	25.9	150.1	99.9	52.7
MEAN	23.6	148.6	99.6	53.8

## LOCATION DETAILS

Table 4. Location, cooperator, planting date, harvesting date, growing degree days<sup>1</sup> (GDD) for 2002 season, and 30-year average GDD for late medium-season (Maturity Zone 3) hybrid tests.

Location (County)	Cooperator	Planting Date	Harvest Date	GDD (2002)	GDD (30-yr Ave.)
Clinton	Scott Morris	May 23	November 8	2,786	2,437
Dauphin (Hershey)	Millen Hershey School, Ag. and Env. Program	May 17	October 23	2,991	2,735
Dauphin (Paxton)	David Metz	May 23	October 10	2,931	2,600
Fulton	Dave Beiders	May 1	Not harvested		
Lancaster	Pam Blase	May 8	October 3	3,088	2,817
Lycoming	Dak Bryder	May 11	October 15	2,879	2,888

<sup>1</sup> GDD data calculated by ZedX, Inc., 388 Rolling Ridge Dr., Bellefonte, PA 16823. GDD are calculated from the planting date until harvest or through October 10, whichever occurred first. Thirty-year averages are calculated using the same dates.

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College of Agricultural Sciences  
 Agricultural Research and Cooperative Extension

## Pennsylvania Commercial Hybrid Corn Tests Report

Late-season hybrids (Maturity Zone 4) 2002 results

### AVERAGE OVER LOCATIONS

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

Brand-Hybrid	Grain Moisture (%)	Grain Yield (bu/acre)	Erect Plants (%)	Bushel Weight (lbs)
Vigoro V5110	19.3	103.8	91.1	54.8
Golden Harvest H-9231	19.4	109.6	92.6	54.1
Hubner H3487	19.7	103.2	92.1	55.3
Dekalb DKC 60-09	19.7	101.3	93.9	58.0
Dekalb DKC 61-24	20.2	106.0	90.8	55.7
Agway AG6399 Bt	20.3	107.4	93.5	56.6
Asgrow RX730 RR/YG	20.3	91.9	96.4	54.4
Vigoro V5330	21.0	96.4	89.8	56.6
Doebler's HC560	21.2	110.6	95.3	55.5
Dekalb DKC 64-10	21.3	107.6	90.1	53.5
Agway AG6422	21.4	88.1	91.1	55.7
Schlessman SX697	21.6	100.6	94.0	58.6
Agway AG6305	21.6	94.4	91.7	54.4
Golden Harvest H-9247 Bt	21.9	105.2	94.2	56.7
Garst 8348	22.3	109.1	92.2	55.1
Schlessman SX710	22.3	83.7	94.0	54.2
Dekalb DKC 62-15	22.3	108.6	92.6	54.8
Golden Harvest H-9471	22.6	105.9	83.2	55.0
Hubner H3664	22.7	93.9	93.9	52.6
Agway AG6515	22.7	104.0	85.7	55.6
Bio Gene BG1140	23.1	94.8	92.5	54.4
Bio Gene BG1130	23.2	97.8	87.2	55.2
Vigoro V5800	23.4	98.2	89.5	54.7
Doebler's 760 DT	23.6	104.6	88.2	54.5
Doebler's 749 XYG	23.8	96.7	97.8	53.4
Vigoro V58C29	24.3	87.8	89.7	49.5
NK Brand N82-J6	24.6	99.1	87.1	53.4
Chemgro 7530 Bt	25.0	88.7	90.7	51.4
Garst 8288	25.1	109.8	93.2	54.1
Bio Gene BG1152	25.2	116.8	93.0	52.6
Hyltest HT7806 Bt	25.8	110.9	100.0	51.7
MEAN	22.3	101.1	91.8	54.5
LSD (0.05)	0.6	7.7	4.3	0.8

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