

# Hybrid Test Reports

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## LOCATION DETAILS

Table 5 Location, cooperator, planting date, harvesting date, growing degree days<sup>1</sup> (GDD) for 2001 season, and 30-year average GDD for short-season (Maturity Zone 1) hybrid tests

Location (County)	Cooperator	Planting Date	Harvest Date	GDD (2001)	GDD (30-yr avg)
Centre (grain)	Penn State	May 9	October 29	2 466	2 343
Centre (silage)	Penn State	May 9	September 12	2 236	2 106
Cianon	Longacre Potato Farm	May 14	Not reported		
Crawford	Dan Herneck	May 14	Not harvested		
Lycorning	Steve Neff	May 11	November 13	2,209	2,055
Mercer	Leslie Firth and Bill Hoagland	May 15	October 31	2,466	2 325
Tioga	Mike Fritz	May 11	November 1	2 364	2 215

<sup>1</sup> GDD data calculated by ZedX, Inc. 369 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

### Early medium-season hybrids (Maturity Zone 2) 2001 results

## AVERAGE OVER LOCATIONS

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

Brand-Hybrid	Grain Moisture (%)	Grain Yield (bu/acre)	Erect Plants (%)	Bushel Weight (lbs)
Mycogen 4521 Bt	19.9	150.9	94.6	57.0
Doebler's 509 X	20.2	125.3	97.5	55.9
Agway AG5206	20.6	133.5	96.2	53.9
Hyttest HT7415	20.7	124.4	95.2	57.2
Mycogen 2652	21.0	128.2	89.7	53.1
Agway AG5196 Bt	21.1	123.1	98.9	55.7
Asgrow RX508	21.4	144.5	97.4	53.9
Mycogen 5212	21.8	132.9	95.6	54.7
Gries 5306	22.1	116.8	94.8	53.6
Agway AG5519	22.2	126.2	92.4	53.1
Agway AG5215	22.3	124.6	94.2	54.8
Agway AG5610	22.4	133.3	96.8	53.6
Golden Harvest H-87	22.4	125.6	95.4	53.0
NC+ 3448	22.4	115.1	94.8	53.8
Seedway E538	22.8	149.3	96.2	54.0
Dekalb DKC53-32	22.8	153.1	95.7	52.8
Dekalb DK567	22.8	148.8	94.6	52.8
Gries 5407 YG	22.9	130.7	96.6	52.2
Chemgro 7052	22.9	124.5	92.9	52.1
Dekalb DKC58-78	23.4	159.6	98.9	51.2
Hyttest HT4602	23.4	121.7	94.0	52.1
Seedway E622	23.6	136.8	93.6	52.0
Doebler's 596 XY	23.6	119.6	93.8	52.4
Doebler's 636 XY	23.6	110.3	96.1	51.4
NK Brand N58-D1	23.9	143.7	96.8	53.0
Dekalb DKC58-52	23.9	154.1	97.3	52.4
NK Brand N64-L5	24.7	123.6	95.9	52.2
NK Brand N65-Y3	25.1	133.6	98.6	51.7
NC+ 4990 B	26.4	130.7	96.6	51.4
MEAN	22.6	132.5	95.5	53.3
LSD (0.05)	0.6	7.3	2.5	0.6

### ENTRIES BY LOCATION

Table 2. Early medium-season (Maturity Zone 2) hybrid performance for individual locations, yield is in bushels per acre, northern leaf blight (NLB) ratings are 0 to 5, where 0 equals little or no disease and 5 equals premature death

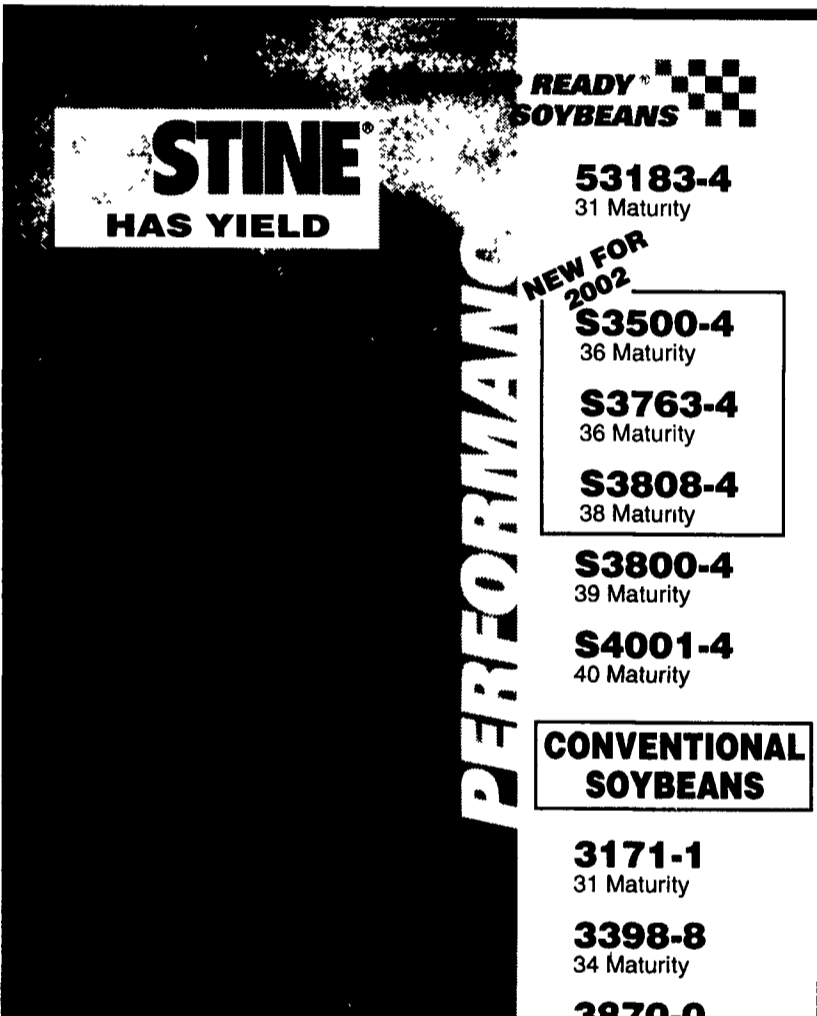
Brand-Hybrid	Lycorning	Blair	Columbia	Clinton	Butler	Centre	
						(Yield)	(NLB)
Agway AG5196 Bt	113.6	143.9	162.8	74.2	136.4	107.4	2.2
Agway AG5206	123.1	171.3	140.3	102.9	143.6	119.6	1.6
Agway AG5215	99.9	166.0	143.3	94.5	149.3	94.7	4.1
Agway AG5519	123.1	144.9	137.5	98.1	131.2	122.1	1.6
Agway AG5610	126.1	165.0	146.3	96.6	152.0	113.8	2.8
Asgrow RX508	144.8	171.8	154.7	105.4	156.5	134.2	2.2
Chemgro 7052	119.4	145.5	152.5	89.7	160.4	99.4	1.7
Dekalb DK567	147.7	151.1	166.5	107.9	167.0	152.4	1.6
Dekalb DKC53-32	148.0	171.5	165.5	95.4	170.7	147.2	2.7
Dekalb DKC58-52	152.2	167.4	190.0	107.8	165.1	142.0	2.0
Dekalb DKC58-78	149.0	173.8	178.1	103.4	200.6	152.8	1.3
Doebler's 509 X	114.5	149.0	139.9	93.7	132.0	122.5	2.7
Doebler's 596 XY	123.5	134.4	144.4	75.7	123.1	116.2	2.7
Doebler's 636 XY	56.7	129.0	141.8	69.8	159.6	104.5	2.6
Golden Harvest H-87	141.7	129.7	132.9	87.4	141.1	120.7	0.7
Gries 5306	96.6	142.6	147.4	87.6	132.3	92.3	3.6
Gries 5407 YG	125.7	155.6	154.8	86.7	142.1	119.3	2.5
Hyttest HT4602	125.0	152.0	143.1	74.3	119.6	116.3	2.3
Hyttest HT7415	113.0	145.6	131.5	85.0	151.0	120.4	3.1
Mycogen 2652	128.7	130.7	157.1	88.6	172.8	91.3	3.2
Mycogen 4521 Bt	136.4	156.7	180.5	91.1	206.8	133.7	1.3
Mycogen 5212	111.7	148.5	145.6	94.2	170.8	126.5	1.9
NC+ 3448	100.8	135.2	129.3	79.7	145.0	100.4	2.6
NC+ 4990 B	109.5	164.0	157.1	82.4	144.4	126.8	1.5
NK Brand N58-D1	125.2	162.4	178.3	107.3	156.3	132.9	1.7
NK Brand N64-L5	107.7	132.2	147.9	88.3	142.7	122.7	0.9
NK Brand N65-Y3	112.9	155.1	170.2	94.8	139.9	128.4	2.1
Seedway E538	121.4	177.6	178.2	86.4	175.8	156.1	1.4
Seedway E822	136.6	165.1	139.7	97.7	155.0	124.4	1.5
MEAN	122.0	153.0	154.4	90.6	153.2	122.1	2.1
LSD (0.05)	23.5	17.5	14.1	16.6	20.1	15.2	0.7

## TWO-YEAR AVERAGE

Table 3. Two-year average of early medium-season (Maturity Zone 2) hybrids that were entered in both the 2000 and 2001 tests.

Brand-Hybrid	Grain Moisture (%)	Grain Yield (bu/acre)	Erect Plants (%)	Bushel Weight (lbs)
Agway AG5206	19.9	126.8	96.5	52.8
Asgrow RX508	20.4	139.9	97.7	53.1
Dekalb DK567	21.9	139.3	95.9	52.4
Dekalb DKC53-32	21.2	140.4	97.3	52.3
Dekalb DKC58-52	22.7	147.0	98.6	52.0
Doebler's 596XY	22.7	114.5	96.5	51.4
Doebler's 636XY	23.2	106.4	97.5	50.6
Mycogen 2652	20.3	127.8	94.7	52.6
NK Brand N58-D1	22.8	131.5	98.4	52.3
NK Brand N64-L5	23.4	125.2	97.2	51.7
MEAN	21.9	129.9	97.0	52.1

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