



**Table C-66. Seed Treatment Fungicide.  
Arlington, WI - 2003**

Hybrid	Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
	1	Check	28588	27878	2	193	23.6	52	357
	2	A14075A @ 0.136	31557	30331	1	194	22.7	52	363
	3	A14075A @ 0.272	30847	29492	1	189	22.2	52	354
	4	A14075B @ 0.136	31879	30073	1	189	21.5	53	358
	5	A14075B @ 0.272	30847	30266	1	192	21.3	52	364
	6	A14115A @ 0.138	28007	29427	2	184	21.2	52	349
	7	A14117A @ 0.135	29685	28137	1	190	22.6	52	355
	8	Maxim XL+Protege+Crusier	29105	27491	0	189	22.0	52	355
	9	(2x)Maxim XL+Protege+Crusier	31363	30460	1	189	20.9	53	360
	10	A13641A @ 0.134	31105	29234	1	203	22.3	52	380
	11	A13641A @ 0.268	31299	29234	2	195	21.7	52	367
	12	Maxim XL+Cruiser	30460	29427	0	196	21.9	52	369
	13	Maxim XL	30524	28911	1	189	22.8	52	351
	14	Maxim XL+Protege	30395	29040	0	196	23.3	52	363
	15	Maxim XL+Apron	29879	28459	1	194	22.4	52	364
	16	Captan+Allegiance+Gaucho	31299	30008	1	189	21.4	52	357
NK N32L9			31549	30024	2	192	19.6	54	370
NK N43C4			29306	28459	0	192	24.7	50	351
NK N32L9	1	Check	30331	29814	3	203	21.0	53	386
NK N32L9	2	A14075A @ 0.136	31750	30202	1	199	20.0	55	382
NK N32L9	3	A14075A @ 0.272	32138	30847	1	194	19.3	54	375
NK N32L9	4	A14075B @ 0.136	32912	30589	1	189	19.2	54	365
NK N32L9	5	A14075B @ 0.272	31621	31621	2	195	19.9	54	375
NK N32L9	6	A14115A @ 0.138	30460	28911	4	182	18.7	55	353
NK N32L9	7	A14117A @ 0.135	31492	29685	1	191	19.0	55	370
NK N32L9	8	Maxim XL+Protege+Crusier	29169	27362	1	186	20.5	54	354
NK N32L9	9	(2x)Maxim XL+Protege+Crusier	32138	31105	2	186	19.1	54	361
NK N32L9	10	A13641A @ 0.134	32138	29814	2	204	20.3	54	390
NK N32L9	11	A13641A @ 0.268	32396	29298.1	3	185	18.9	54	359
NK N32L9	12	Maxim XL+Cruiser	32009	31234.1	0	197	18.8	54	382
NK N32L9	13	Maxim XL	31363	29169	1	181	19.0	55	351
NK N32L9	14	Maxim XL+Protege	31234	29556	1	195	20.3	53	372
NK N32L9	15	Maxim XL+Apron	32009	30460	1	197	19.7	55	379
NK N32L9	16	Captan+Allegiance+Gaucho	31621	30717.9	2	188	19.1	54	364

continued.

**Table C-66. Seed Treatment Fungicide.**  
**Arlington, WI - 2003**

(continued)

Hybrid	Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
NK N43C4	1	Check	26846	25942	0	183	26.2	50	328
NK N43C4	2	A14075A @ 0.136	31363	30460	1	190	25.4	50	344
NK N43C4	3	A14075A @ 0.272	29556	28137	0	184	25.1	50	334
NK N43C4	4	A14075B @ 0.136	30847	29556	1	190	23.1	51	353
NK N43C4	5	A14075B @ 0.272	30073	28911	0	189	22.6	50	353
NK N43C4	6	A14115A @ 0.138	25555	29943	0	187	23.6	50	344
NK N43C4	7	A14117A @ 0.135	27878	26588	0	189	26.2	50	340
NK N43C4	8	Maxim XL+Protege+Crusier	29040	27620	0	192	23.5	50	356
NK N43C4	9	(2x)Maxim XL+Protege+Crusier	30589	29814	0	192	22.6	51	358
NK N43C4	10	A13641A @ 0.134	30073	28653	0	202	24.4	50	370
NK N43C4	11	A13641A @ 0.268	30202	29169	0	205	24.5	50	375
NK N43C4	12	Maxim XL+Cruiser	28911	27620	0	196	25.1	50	356
NK N43C4	13	Maxim XL	29685	28653	1	201	28.7	50	350
NK N43C4	14	Maxim XL+Protege	29556	28524	0	198	26.4	50	355
NK N43C4	15	Maxim XL+Apron	27749	26459	0	192	25.1	50	348
NK N43C4	16	Captan+Allegiance+Gaucho	30976	29298	0	190	23.7	50	351
Mean			30427	29242	1	192	22.1	52	360
<b>Probability (%)</b>									
Seed treatment (S)			2.7	1.7	41.0	54.9	11.3	60.1	51.4
Hybrid (H)			0.0	0.0	0.0	935	0.0	0.0	0.0
S x H			71.6	7.2	31.7	24.2	7.2	75.7	14.3
<b>LSD (0.10)</b>									
Seed treatment (S)			1837	1432	NS	NS	NS	NS	NS
Hybrid (H)			649	506	0	4	0.5	0	6
S x H			NS	2026	NS	NS	2.1	NS	NS
<b>CV (%)</b>									
			6	5	130	6	7	1	5

## FIELD EXPERIMENT HISTORY

**Title:** Corn Seed Decay and Seedling Blight in Reduced Tillage Systems  
**Experiment:** 08 Seed Treatment Fungicide      **Trial ID** 2508      **Year:** 2003  
**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn  
**Location:** Fond du lac, WI      **County:** Fond du lac  
**Supported By:** Syngenta Crop Protection

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### Site Information

**Field:**      **Previous Crop:** Soybean      **Soil Type:** Virgil Silt Loam  
**Soil Test:**      **Date:** 10/22/03      **pH** 6.7      **OM (%)** 2.9      **P (ppm)** 47      **K (ppm)** 57

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### Plot Management

**Tillage Operations:**      Soil Finisher      Cultivated  
**Fertilizer:**      Analysis      Rate      Date  
     **Preplant**      28-0-0      120 lbs/A      N/A  
     **Starter**      6-24-24      9 lbs/A      5 /3 /03  
     **Post plant**      N/A      N/A      N/A  
     **Manure:**      N/A      N/A      N/A  
**Herbicide:**      Basis 0.33 oz/A      **Insecticide:**      None  
     Lumax 5.0 pt/A  
**Irrigation:**      None      **Hybrid:**      NK N43C4  
**Planting Date:**      5/3/03      **Planting Depth:**      1.5"      **Row Width:**      30"  
**Target Plant Density:**      plants per acre      **Planting Method:**      Kinze Plot Planter  
**Harvest Date:**      10/22/03      **Harvest Method:**      Kincaid Plot Combine

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### Experimental Design

**Design:**      RCB      **Replications:**      3  
**Plot Size Seeded:**      25' x 10'      **Experiment Size:**      22' x 5'  
**Harvest Plot Size:**      5' x 22'      **Harvest Plant Density:**      N/A plants per acre

### Factors/Treatments:

#### Seed Treatments:

Check	(2x)Maxim XL+Protege+Crusier
A14075A @ 0.136	A13641A @ 0.134
A14075A @ 0.272	A13641A @ 0.268
A14075B @ 0.136	Maxim XL+Cruiser
A14075B @ 0.272	Maxim XL
A14115A @ 0.138	Maxim XL+Protege
A14117A @ 0.135	Maxim XL+Apron
Maxim XL+Protege+Crusier	Captan+Allegiance+Gaucho

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**Results: Table C-67.**

**Table C-67. Seed Treatment Fungicide.  
Fond du Lac, WI - 2003**

Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
1	Check	22458	24006	0	175	21.8	53	329
2	A14075A @ 0.136	25684	26330	0	178	20.4	54	341
3	A14075A @ 0.272	26459	26975	0	174	21.0	53	331
4	A14075B @ 0.136	25168	25684	0	177	21.0	54	336
5	A14075B @ 0.272	25813	26975	0	181	21.3	53	342
6	A14115A @ 0.138	24910	25039	0	177	21.4	53	335
7	A14117A @ 0.135	26459	25942	0	175	20.2	53	336
8	Maxim XL+Protege+Crusier	26588	25942	0	176	20.9	53	334
9	(2x)Maxim XL+Protege+Crusier	24265	25555	1	174	21.8	53	328
10	A13641A @ 0.134	27104	25684	0	181	21.9	53	340
11	A13641A @ 0.268	25297	25555	0	175	20.9	54	332
12	Maxim XL+Cruiser	25426	28524	0	176	21.0	54	335
13	Maxim XL	23490	24394	0	167	21.7	53	315
14	Maxim XL+Protege	25555	24781	0	169	21.2	53	320
15	Maxim XL+Apron	24910	25297	0	174	21.2	53	330
16	Captan+Allegiance+Gaucho	23361	25426	1	166	20.8	53	316
Mean		25184	25757	0	175	21.2	53	331
<b>Probability (%)</b>								
Seed treatment (S)		21.2	71.1	19.9	37.9	15.8	22.5	29.6
<b>LSD (0.10)</b>								
Seed treatment (S)		NS	NS	NS	NS	NS	NS	NS
<b>CV (%)</b>								
		7	8	278	4	3	1	4

## FIELD EXPERIMENT HISTORY

**Title:** Corn Seed Decay and Seedling Blight in Reduced Tillage Systems  
**Experiment:** 08 Seed Treatment Fungicide      **Trial ID** 2509      **Year:** 2003  
**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn  
**Location:** Marshfield, WI      **County:** Wood  
**Supported By:** Syngenta Crop Protection

### Site Information

**Field:** 008-03C50      **Previous Crop:** Alfalfa      **Soil Type:** Withee Silt Loam  
**Soil Test:**      **Date:** 10/6 /03      **pH** 6.5      **OM (%)** 3.4      **P (ppm)** 66      **K (ppm)** 109

### Plot Management

**Tillage Operations:** Fall Chisel Plow      Field Cultivator      Cultivated

<b>Fertilizer:</b>	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	N/A	N/A	N/A
Starter	6-24-24	9 lbs/A	5 /1 /03
Post plant	28-0-0	45 lbs/A	6 /19/03
Manure:	Dairy	12872 gallon	

**Herbicide:** Harness 1.8 pt/A      **Insecticide:** Force 4.4 lbs/A  
 Hornet 2.4 oz/A  
 Atrazine 4L 1.1 qt/A

**Irrigation:**      **Hybrid:** NK N32L9

**Planting Date:** 5/1/03      **Planting Depth:** 1.5"      **Row Width:** 30"

**Target Plant Density:** 30000 plants per acre      **Planting Method:** Kinze Plot Planter

**Harvest Date:** 10/8/03      **Harvest Method:** Kincaid Plot Combine

### Experimental Design

**Design:** RCB      **Replications:** 3  
**Plot Size Seeded:** 5' x 25'      **Experiment Size:** 0.2755 Acre  
**Harvest Plot Size:** 5' x 22'      **Harvest Plant Density:** 23611 plants per acre

#### **Factors/Treatments:**

##### Seed Treatments:

Check	(2x)Maxim XL+Protege+Crusier
A14075A @ 0.136	A13641A @ 0.134
A14075A @ 0.272	A13641A @ 0.268
A14075B @ 0.136	Maxim XL+Cruiser
A14075B @ 0.272	Maxim XL
A14115A @ 0.138	Maxim XL+Protege
A14117A @ 0.135	Maxim XL+Apron
Maxim XL+Protege+Crusier	Captan+Allegiance+Gaucho

**Results: Table C-68.**

**Table C-68. Seed Treatment Fungicide.  
Marshfield, WI - 2003**

Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
1	Check	11100	12778	0	94	30.3	49	162
2	A14075A @ 0.136	22458	22587	1	117	26.3	51	211
3	A14075A @ 0.272	26330	27233	0	117	24.4	52	214
4	A14075B @ 0.136	24652	24523	0	114	24.6	52	209
5	A14075B @ 0.272	26071	25168	0	121	24.2	51	222
6	A14115A @ 0.138	28782	27104	1	111	23.4	51	205
7	A14117A @ 0.135	20522	21425	1	110	24.9	51	201
8	Maxim XL+Protege+Crusier	20134	20263	0	117	24.5	52	215
9	(2x)Maxim XL+Protege+Crusier	28911	28653	0	119	23.4	51	220
10	A13641A @ 0.134	24394	23103	1	121	24.3	51	222
11	A13641A @ 0.268	28911	27233	0	117	23.0	52	217
12	Maxim XL+Cruiser	22845	22716	0	109	24.7	51	199
13	Maxim XL	21554	21812	0	116	25.3	51	210
14	Maxim XL+Protege	19489	21296	0	110	27.2	51	196
15	Maxim XL+Apron	25942	24910	0	114	23.4	52	211
16	Captan+Allegiance+Gaucho	28524	26975	0	112	22.3	52	210
Mean		23789	23611	0	114	24.8	51	208
<b>Probability (%)</b>								
Seed treatment (S)		0.0	0.0	66.8	7.7	1.9	14.0	1.1
<b>LSD (0.10)</b>								
Seed treatment (S)		3687	3695	NS	11	2.9	NS	21
<b>CV (%)</b>								
		11	11	388	7	9	2	7





**Table C-69. Seed Treatment Insecticide.**  
**Arlington, WI - 2003**

Hybrid	Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
	1	A14075 @ 0.136	30524	29685	0	221	23.0	52	410
	2	A14075 @ 0.272	30008	28459	0	219	25.3	52	397
	3	MaximXL+CGA301940+Cruiser	31363	29621	0	222	25.7	52	402
	4	(2x) MaximXL+CGA301940+Cruiser	30976	30137	0	221	24.4	52	405
	5	A13641 @ 0.134	30911	29363	1	217	22.3	52	407
	6	A13641 @ 0.268	30847	29234	0	220	22.5	52	412
	7	Captan+Allegiance+Gaucho	30782	29556	2	217	24.7	52	396
	8	Maxim XL	29750	28717	0	219	26.4	51	393
NK N32L9			31702	30137	1	223	21.5	54	421
NK N43C4			29589	28556	0	216	27.0	50	385
NK N32L9	1	A14075 @ 0.136	31621	30331	0	224	19.8	55	431
NK N32L9	2	A14075 @ 0.272	31363	29556	0	219	22.0	54	413
NK N32L9	3	MaximXL+CGA301940+Cruiser	32009	29169	0	225	22.7	54	420
NK N32L9	4	(2x) MaximXL+CGA301940+Cruiser	31363	30460	0	224	22.6	53	419
NK N32L9	5	A13641 @ 0.134	31879	30976	2	216	19.8	53	416
NK N32L9	6	A13641 @ 0.268	31750	30589	1	221	20.6	53	421
NK N32L9	7	Captan+Allegiance+Gaucho	32138	30202	3	221	21.4	54	417
NK N32L9	8	Maxim XL	31492	29814	0	230	23.0	53	427
NK N43C4	1	A14075 @ 0.136	29427	29040	0	217	26.2	50	390
NK N43C4	2	A14075 @ 0.272	28653	27362	0	218	28.6	50	382
NK N43C4	3	MaximXL+CGA301940+Cruiser	30718	30073	0	219	28.6	50	383
NK N43C4	4	(2x) MaximXL+CGA301940+Cruiser	30589	29814	0	218	26.1	50	391
NK N43C4	5	A13641 @ 0.134	29943	27749	0	219	24.8	51	399
NK N43C4	6	A13641 @ 0.268	29943	27878	0	220	24.4	50	403
NK N43C4	7	Captan+Allegiance+Gaucho	29427	28911	0	213	28.1	50	374
NK N43C4	8	Maxim XL	28007	27620	0	207	29.7	50	358
Mean			30645	29347	0	219	24.3	52	403
<b>Probability (%)</b>									
Seed treatment (S)			18.3	45.5	28.0	95.8	1.1	77.0	30.1
Hybrid (H)			0.0	0.0	6.1	2.0	0.0	0.0	0.0
S x H			43.1	22.5	28.0	39.3	75.0	46.7	13.2
<b>LSD (0.10)</b>									
Seed treatment (S)			NS	NS	NS	NS	2.0	NS	NS
Hybrid (H)			509	652	1	4	1.0	0	8
S x H			NS	NS	NS	NS	NS	NS	NS
<b>CV (%)</b>									
			3	5	356	4	9	2	4

## FIELD EXPERIMENT HISTORY

**Title:** Corn Seed Decay and Seedling Blight in Reduced Tillage Systems  
**Experiment:** 08 Seed Treatment Insecticide      **Trial ID** 2506      **Year:** 2003  
**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn  
**Location:** Janesville, WI      **County:** Rock  
**Supported By:** Syngenta Crop Protection

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### Site Information

**Field:** R5-E      **Previous Crop:** Soybean      **Soil Type:** Plano Silt Loam  
**Soil Test:**      **Date:** 10/9 /03      **pH** 6.6      **OM (%)** 3.9      **P (ppm)** 98      **K (ppm)** 229

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### Plot Management

**Tillage Operations:** Fall Chisel Plow      Field Cultivator      Cultivated

<b>Fertilizer:</b>	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	28-0-0	100 lbs/A	4 /24/03
Starter	6-24-24	9 lbs/A	4 /25/03
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

**Herbicide:** Dual II Magnum 1.8 pt/A  
 Hornet 4.5 oz/A  
 Callisto 3.0 oz/A  
 Steadfast 0.25 lbs/A

**Insecticide:** No soil applied

**Irrigation:**      **Hybrid:** NK N43C4

**Planting Date:** 4/25/03      **Planting Depth:** 1.5"      **Row Width:** 30"

**Target Plant Density:**      **plants per acre**      **Planting Method:** Kinze Plot Planter

**Harvest Date:** 10/21/03      **Harvest Method:** Kincaid Plot Combine

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### Experimental Design

**Design:** RCB      **Replications:** 3  
**Plot Size Seeded:** 25' x 10'      **Experiment Size:** 0.1328 Acre  
**Harvest Plot Size:** 5' x 22'      **Harvest Plant Density:** 27733 plants per acre  
**Factors/Treatments:**

#### Seed Treatments:

A14075 @ 0.136  
 A14075 @ 0.272  
 MaximXL+CGA301940+Cruiser  
 2X MaximXL+CGA301940+Cruiser  
 A13641 @ 0.134  
 A13641 @ 0.268  
 Captan+Allegiance+Gaucho  
 Maxim XL

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**Results: Table C-70.**

**Table C-70. Seed Treatment Insecticide.  
Janesville, WI - 2003**

Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
1	A14075 @ 0.136	29427	27362	0	193	15.0	58	388
2	A14075 @ 0.272	30847	29169	0	188	15.1	58	377
3	MaximXL+CGA301940+Cruiser	30073	29169	0	207	15.9	58	415
4	(2x) MaximXL+CGA301940+Cruiser	30460	27620	1	202	15.7	59	406
5	A13641 @ 0.134	29556	27491	2	195	15.0	58	393
6	A13641 @ 0.268	30460	26975	0	191	14.6	58	383
7	Captan+Allegiance+Gaucho	29685	26330	0	187	15.9	58	373
8	Maxim XL	29685	27749	0	184	15.2	58	369
Mean		30024	27733	1	193	15.3	58	388
<b>Probability (%)</b>								
Seed treatment (S)		63.9	6.6	3.1	18.2	31.5	22.9	16.7
<b>LSD (0.10)</b>								
Seed treatment (S)		NS	1552	1	NS	NS	NS	NS
<b>CV (%)</b>								
		3	4	126	5	5	1	5

## FIELD EXPERIMENT HISTORY

**Title:** Corn Seed Decay and Seedling Blight in Reduced Tillage Systems  
**Experiment:** 08 Seed Treatment Insecticide      **Trial ID** 2504      **Year:** 2003  
**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn  
**Location:** Seymour, WI      **County:** Outagamie  
**Supported By:** Syngenta Crop Protection

### Site Information

**Field:**      **Previous Crop:** Corn      **Soil Type:** Clay Loam  
**Soil Test:**      **Date:** 10/3 /03      **pH** 7.3      **OM (%)** 2.8      **P (ppm)** 25      **K (ppm)** 97

### Plot Management

**Tillage Operations:** Fall Chisel Plow      Soil Finisher      Cultivated

<b>Fertilizer:</b>	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	N/A	N/A	N/A
Starter	6-24-24	9 lbs/A	5 /2 /03
Post plant	N/A	N/A	N/A
Manure:	Dairy	9000 gallons	

**Herbicide:** Accent 0.67 oz/A      **Insecticide:** Force 4.4 lbs/A  
 Atrazine 0.5 lbs/A  
 Callisto 3.0 oz/A

**Irrigation:** None      **Hybrid:** NK N32L9

**Planting Date:** 5/2/03      **Planting Depth:** 1.5"      **Row Width:** 30"

**Target Plant Density:** 30000 plants per acre      **Planting Method:** Kinze Plot Planter

**Harvest Date:** 10/24/03      **Harvest Method:** Kincaid Plot Combine

### Experimental Design

**Design:** RCB      **Replications:** 3  
**Plot Size Seeded:** 25' x 10'      **Experiment Size:** 0.1377 Acre  
**Harvest Plot Size:** 5' x 22'      **Harvest Plant Density:** 27846 plants per acre

#### **Factors/Treatments:**

##### Seed Treatments:

A14075 @ 0.136  
 A14075 @ 0.272  
 MaximXL+CGA301940+Cruiser  
 2X MaximXL+CGA301940+Cruiser  
 A13641 @ 0.134  
 A13641 @ 0.268  
 Captan+Allegiance+Gaucho  
 Maxim XL

**Results: Table C-71.**

**Table C-71. Seed Treatment Insecticide.  
Seymour, WI - 2003**

Treatment	Seed treatment	Population at V5 plants/A	Harvest population plants/A	Lodging %	Grain yield bu/A	Grain moisture %	Test weight lb/bu	Grower return \$/A
1	A14075 @ 0.136	29169	28395	5	208	23.3	51	386
2	A14075 @ 0.272	28007	27104	1	207	23.2	51	384
3	MaximXL+CGA301940+Cruiser	29814	28524	0	219	23.3	51	407
4	(2x) MaximXL+CGA301940+Cruiser	30202	28653	0	220	23.2	51	409
5	A13641 @ 0.134	29427	27491	0	219	23.1	52	406
6	A13641 @ 0.268	28782	27749	0	218	23.3	51	405
7	Captan+Allegiance+Gaucho	29685	27104	0	214	23.4	51	396
8	Maxim XL	29556	27749	0	217	23.2	52	403
Mean		29330	27846	1	215	23.2	51	399
<b>Probability (%)</b>								
Seed treatment (S)		38.8	56.3	50.6	56.3	100	58.1	65.8
<b>LSD (0.10)</b>								
Seed treatment (S)		NS	NS	NS	NS	NS	NS	NS
<b>CV (%)</b>								
		4	4	389	5	3	1	5