

## FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot  
**Experiment:** 01GrainvsSilage **Trial ID:** 3060 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn, and T.H. Diallo  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** HATCH

---

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date:** 10/15/07 **pH** 7.1 **OM (%)** 2.8 **P (ppm)** 38 **K (ppm)** 114

---

### Plot Management

**Tillage Operations:** Chisel Plow Field Cultivator Cultivated 6/8/07  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	46-0-0	325 lbs	4 /25/07
<b>Starter :</b>	9-23-30	150	5 /30/07
<b>Post plant :</b>	N/A	N/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Harness 29 oz/A **Insecticide:** Force 4.4 lb/A  
 Callisto 3.0 oz/A **Hybrid:** See Factors  
**Irrigation:** None  
**Planting Date:** 5/30/07 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 30000 plants per acre **Planting Method:** Kinze Plot Planter  
**Harvest Date:** S: 9/6/07 **Harvest Method:** G: Massey Ferguson 8XP  
 G: 10/5/07 S: NH 707 Plot Chopper

---

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 20' **Experiment Size:** 0.21 A  
**Harvest Plot Size:** G: 22' x 5' **Harvest Plant Density:** 28116 plants per acre  
 S: 22' x 2.5'

### Factors/Treatments:

#### Hybrids:

Dyna-Gro 55B49	Mycogen F2F566
Hughes 4592	Pioneer 35Y67
Kaltenberg K8105LFRR	Renk RK669

---

**Results: Table C-5.**

**Table C-5. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot. Arlington, WI - 2007**

Hybrid	Traits	Grain										Whole Plant										Milk 2006		
		Yield bu/A	Moist %	Test weight lb/bu	Broken stalks %	Grower return \$/A	Yield T/A	Moist %	Kernel milk %	KMR 0-5	SMR 0-5	VMR 0-10	Crude protein %	ADF %	NDF %	In Vitro Digest %	NDF Digest %	Starch %	lb/T	Acres	lb/A	lb/T	Acres	
Dyna-Gro 55B49	CB,CR,RR	232	20.4	56.5	18	778	10.0	64.3	33.3	1.7	0.6	2.2	7.2	26.0	47.6	77.3	52.4	31.5	2987	29750				
Hughes 4592	CR,RR	252	21.2	56.1	9	840	10.5	65.6	51.7	2.6	0.7	3.3	7.1	25.4	47.5	78.4	54.5	31.6	3044	31926				
Kaltenberg K8105LFRR	Leafy,RR	161	27.7	49.6	38	516	9.3	70.8	58.3	2.9	0.6	3.6	7.1	31.7	56.9	74.3	54.8	14.2	2613	24258				
Mycogen F2F566	BMR	132	24.6	52.1	30	433	7.4	70.7	51.7	2.6	0.5	3.1	7.6	27.6	52.7	80.9	63.7	22.2	3120	23015				
Pioneer 35Y67	CB,LL	258	21.4	55.6	22	859	10.2	64.9	43.3	2.2	0.8	3.0	6.9	27.1	48.3	77.3	53.0	30.2	2978	30639				
Renk RK669		218	17.1	57.2	35	745	10.2	60.2	36.7	1.8	0.4	2.2	6.6	23.8	44.1	80.3	55.4	36.1	3188	32523				
Mean		209	22.1	54.5	25	695	9.6	66.1	45.8	2.3	0.6	2.9	7.1	26.9	49.5	78.1	55.7	27.6	2989	28685				
<b>Probability(%)</b>																								
Hybrid (H)		0.0	0.0	0.0	0.2	0.0	1.0	0.5	17.6	17.6	50.8	5.5	2.3	0.4	0.1	0.1	0.0	0.0	0.2	1.2				
<b>LSD(0.10)</b>																								
Hybrid (H)		18	1	1.1	10	63	1.3	4.1	NS	NS	NS	0.8	0.4	2.1	3.6	2.0	2.1	4.9	177	4553				
<b>CV(%)</b>		6	3	1	26	6	9	4	27	27	44	19	4	7	5	2	3	12	4	11				

## FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot  
**Experiment:** 01GrainvsSilage **Trial ID:** 3062 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn, and T.H. Diallo  
**Location:** Fond du lac, WI **County:** Fond du lac  
**Supported By:** HATCH

---

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam  
**Soil Test:** **Date:** 10/15/07 **pH** 7.3 **OM (%)** 2.9 **P (ppm)** 19 **K (ppm)** 74

---

### Plot Management

**Tillage Operations:** Field Cultivator Cultivated 6/18/07  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	9-23-30	150	5 /8 /07
<b>Post plant :</b>	28-0-0	40 gal/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Cinch 0.8 pt/A **Insecticide:** None  
 Atrazine 0.5 lb/A **Hybrid:** See Factors  
 Accent Gold 3.5 oz/A  
 Callisto 1.5 oz/A  
**Irrigation:** None

**Planting Date:** 5/8/07 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 30000 plants per acre **Planting Method:** Kinze Plot Planter  
**Harvest Date:** S: 9/12/07 **Harvest Method:** G: Massey Ferguson 8XP  
 G: 10/11/07 S: NH 707 Plot Chopper

---

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 20' **Experiment Size:** 0.21 A  
**Harvest Plot Size:** G: 22' x 5' **Harvest Plant Density:** 30591 plants per acre  
 S: 22' x 2.5'

### Factors/Treatments:

#### Hybrids:

Brunner S6508(RRBtCRW)	NK Brand N49-E3
Dyna-Gro 55B49	Pioneer 35Y67
Mycogen F2F566	Renk RK669

---

**Results: Table C-6.**

**Table C-6. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.  
Fond du Lac, WI - 2007**

Hybrid	Traits	Grain										Whole Plant												
		Yield bu/A	Moist %	Weight lb/bu	Test %	Broken %	Grower \$/A	return	Yield T/A	Moist %	Kernel milk	0-5 %	SMR 0-5	VMR 0-5	Crude protein	ADF %	NDF %	In Vitro Digest %	Starch %	Starch %	Milk per Ton	Milk 2006 lb/T	Acres per Acre	
Brunner S6508(RRBICRW)	CB,CR,RR	189	21.4	54.3	2	629	8.8	64.0	53.3	2.7	2.0	4.7	6.2	20.6	40.2	81.9	54.9	36.9	3330	29385				
Dyna-Gro 55B49	CB,CR,RR	200	22.2	53.7	3	663	8.7	66.2	66.7	3.3	2.1	5.4	6.2	24.2	46.0	79.4	55.2	31.7	3140	27515				
Mycogen F2F566	BMR	110	26.1	50.6	56	358	7.4	68.5	70.0	3.5	2.0	5.5	6.5	23.9	46.2	83.1	63.3	29.3	3336	24785				
NK Brand N49-E3	Leafy	166	26.1	50.5	15	537	8.5	67.5	75.0	3.8	2.9	6.7	6.5	24.9	46.6	80.5	58.2	28.6	3192	27212				
Pioneer 35Y67	CB,LL	210	23.8	53.7	2	688	9.3	65.1	75.0	3.8	1.8	5.6	5.8	24.4	45.1	81.0	57.9	31.0	3241	30093				
Renk RK669		179	18.5	53.6	45	605	9.3	61.3	60.0	3.0	1.6	4.6	5.5	22.3	42.5	81.0	55.3	36.2	3262	30320				
Mean		176	23.0	52.7	20	580	8.7	65.5	66.7	3.3	2.1	5.4	6.1	23.4	44.4	81.1	57.5	32.3	3250	28219				
<b>Probability(%)</b>																								
Hybrid (H)		0.0	0.0	0.0	0.0	0.0	5.3	1.5	7.7	7.7	0.0	0.1	2.6	8.3	4.9	11.2	0.1	3.5	18.5	14.9				
<b>LSD(0.10)</b>																								
Hybrid (H)		14	1.7	0.9	13	42	1.0	3.0	13.3	0.7	0.2	0.6	0.5	2.6	3.7	NS	2.5	4.7	NS	NS				
<b>CV(%)</b>		6	5	1	44	5	8	3	14	14	8	8	6	7	6	2	3	10	3	9				

## FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot  
**Experiment:** 01GrainvsSilage **Trial ID:** 3061 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn, and T.H. Diallo  
**Location:** Galesville, WI **County:** Trempealeau  
**Supported By:** HATCH

---

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam  
**Soil Test:** **Date:** 10/15/07 **pH** 6.4 **OM (%)** 113 **P (ppm)** 31 **K (ppm)** 3

---

### Plot Management

**Tillage Operations:** Zone Builder

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b>			
<b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	9-23-30	150	5 /2 /07
<b>Post plant :</b>	28-0-0	40 gal/A	N/A
<b>Manure:</b>	N/A	N/A	N/A
<b>Herbicide:</b>	Cinch 2.0 pt/A Callisto 3.0 oz/A	<b>Insecticide:</b> None	<b>Hybrid:</b> See Factors
<b>Irrigation:</b>	None		
<b>Planting Date:</b>	5/2/07	<b>Planting Depth:</b> 1.5"	<b>Row Width:</b> 30"
<b>Target Plant Density:</b>	30000 plants per acre	<b>Planting Method:</b>	Kinze Plot Planter
<b>Harvest Date:</b>	S: 9/5/07 G: 10/10/07	<b>Harvest Method:</b>	G: Massey Ferguson 8XP S: NH 707 Plot Chopper

---

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 20' **Experiment Size:** 0.21 A  
**Harvest Plot Size:** G: 22' x 5'  
                                   S: 22' x 2.5' **Harvest Plant Density:** 30294 plants per acre

### Factors/Treatments:

#### Hybrids:

Brunner S6508(RRBtCRW)	NK Brand N49-E3
Dyna-Gro 55B49	Pioneer 35Y67
Mycogen F2F566	Renk RK669

---

**Results: Table C-7.**

**Table C-7. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot. Galesville, WI - 2007**

Hybrid	Traits	Grain										Whole Plant										Milk 2006	
		Yield bu/A	Moist %	Test weight lb/bu	Broken stalks %	Broken return \$/A	Yield T/A	Moist %	Kernel milk %	KMR 0-5	SMR 0-5	VMR 0-10	Crude protein %	ADF %	NDF %	In Vitro Digest %	Starch %	lb/T	Acres	lb/A	per Acre		
Brunner S6508(RRBICRW)	CB,CR,RR	240	18.4	59.2	2	813	10.0	69.5	60.0	3.0	2.6	5.6	7.5	26.7	49.1	77.2	53.8	29.5	2968	29895			
Dyna-Gro 55B49	CB,CR,RR	250	18.2	58.8	4	850	11.2	66.7	51.7	2.6	2.8	5.4	7.2	23.8	45.6	79.2	54.2	33.9	3108	34800			
Mycogen F2F566	BMR	84	21.2	54.7	73	281	8.4	61.3	48.3	2.4	0.4	2.9	7.8	24.8	48.7	81.5	61.9	30.2	3197	27026			
NK Brand N49-E3	Leafy	168	20.2	54.2	44	562	9.9	67.9	50.0	2.5	1.8	4.3	7.3	27.2	49.5	77.8	55.2	28.8	2995	29598			
Pioneer 35Y67	CB,LL	241	17.9	59.1	26	821	10.8	64.9	50.0	2.5	1.7	4.2	7.2	25.1	46.7	78.7	54.3	32.0	3071	33187			
Renk RK669		138	16.3	58.2	89	475	10.0	63.0	51.7	2.6	1.1	3.7	6.6	22.7	43.7	80.5	55.4	36.5	3204	32103			
Mean		187	18.7	57.4	39	634	10.1	65.5	51.9	2.6	1.7	4.3	7.3	25.0	47.2	79.1	55.8	31.8	3090	31101			
<b>Probability(%)</b>																							
Hybrid (H)		0.0	0.0	0.0	0.0	0.0	29.7	0.0	44.8	44.8	0.0	0.0	4.6	2.8	6.6	1.6	0.0	1.7	3.6	41.8			
<b>LSD(0.10)</b>		31	0.9	1.2	2	106	NS	2.2	NS	NS	0.4	0.7	0.5	2.2	3.5	1.9	1.8	3.5	133	NS			
Hybrid (H)		11	3	1	34	11	14	2	14	14	16	11	5	6	5	2	2	8	3	15			
<b>CV(%)</b>																							

## FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot  
**Experiment:** 01GrainvsSilage **Trial ID:** 3063 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn, and T.H. Diallo  
**Location:** Marshfield, WI **County:** Wood  
**Supported By:** HATCH

---

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Withee Silt Loam  
**Soil Test:** **Date:** 10/15/07 **pH** 6.4 **OM (%)** 3.3 **P (ppm)** 220 **K (ppm)** 75

---

### Plot Management

**Tillage Operations:** Chisel Plow Soil Finisher Cultivated 6/19/07  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	9-23-30	150	5 /10/07
<b>Post plant :</b>	28-0-0	27 gal/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Hornet 2.4 oz/A **Insecticide:** None  
 Atrazine 1.0 qt/A **Hybrid:** See Factors  
 Outlook 14 oz/A  
**Irrigation:** 4.2"  
**Planting Date:** 5/10/07 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 30000 plants per acre **Planting Method:** Kinze Plot Planter  
**Harvest Date:** S: 9/13/07 **Harvest Method:** G: Massey Ferguson 8XP  
 G: 10/25/07 S: NH 707 Plot Chopper

---

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 20' **Experiment Size:** 0.21 A  
**Harvest Plot Size:** G: 22' x 5' **Harvest Plant Density:** 30690 plants per acre  
 S: 22' x 2.5'

### Factors/Treatments:

#### Hybrids:

Crows 1684T	Mycogen F2F485
Dairyland Stealth 1600	NK Brand N33-H6
Mycogen 2A517	NuTech 3W-099ARR/YGRW

---

**Results: Table C-8.**

**Table C-8. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot. Marshfield, WI - 2007**

Hybrid	Traits	Grain										Whole Plant									
		Yield bu/A	Moist %	Weight lb/bu	Test %	Broken stalks %	Grower return \$/A	Yield T/A	Moist %	Kernel milk %	KMR 0-5	SMR 0-5	VMR 0-10	Crude protein %	ADF %	NDF %	In Vitro Digest %	Starch %	Milk per Ton	lb/T	Acres
Crows 1684T	CB,CR,RR	160	18.9	53.6	26	542	7.1	69.9	60.0	3.0	1.9	4.9	7.6	24.2	45.8	79.4	55.2	31.9	3133	22214	
Dairyland Stealth 1600		153	20.5	48.8	18	512	7.3	71.4	68.3	3.4	2.0	5.4	7.7	28.5	51.0	76.1	53.1	25.8	2899	21039	
Mycogen 2A517	CB,LL	155	19.2	49.0	55	525	7.7	72.7	73.3	3.7	2.0	5.7	7.8	28.1	50.3	77.3	54.9	26.0	2971	22726	
Mycogen F2F485	BMR	102	23.6	52.4	42	336	5.8	75.8	70.0	3.5	2.0	5.5	9.3	27.7	52.7	82.2	66.2	20.8	3202	18515	
NK Brand N33-H6	Leafy	118	20.4	47.1	37	394	7.0	73.6	65.0	3.3	2.0	5.3	8.4	29.5	53.3	76.5	55.8	19.1	2866	20225	
NuTech 3W-099ARR/YGRW	CR,RR	168	20.6	51.6	9	563	6.8	74.4	66.7	3.3	1.8	5.1	7.6	28.1	51.9	77.6	56.8	23.4	2970	20316	
Mean		143	20.5	50.4	31	479	6.9	73.0	67.2	3.4	2.0	5.3	8.1	27.7	50.8	78.2	57.0	24.5	3007	20839	
<b>Probability(%)</b>																					
Hybrid (H)		0.0	0.1	0.0	1.0	0.0	5.1	0.1	27.7	27.7	57.8	21.3	0.5	1.1	5.2	0.2	0.0	3.3	1.4	40.9	
<b>LSD(0.10)</b>																					
Hybrid (H)		15	1.3	1.4	18	51	0.9	1.6	NS	NS	NS	NS	0.7	2.0	3.8	2.0	1.8	6.0	153	NS	
<b>CV(%)</b>																					
		7	4	2	40	7	9	2	10	10	8	7	6	5	5	2	2	17	3	12	



## FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot  
**Experiment:** 01GrainvsSilage **Trial ID:** 3064 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn, and T.H. Diallo  
**Location:** Rhinelander, WI **County:** Oneida  
**Supported By:** HATCH

---

### Site Information

**Field:** **Previous Crop:** Potato **Soil Type:** Vilas Loamy Sand  
**Soil Test:** **Date:** 10/15/07 **pH** 5.1 **OM (%)** 129 **P (ppm)** 280 **K (ppm)** 2.4

---

### Plot Management

**Tillage Operations:** Offset Disk Field Cultivator  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	9-23-30	150	5 /17/07
<b>Post plant :</b>	46-0-0	235 lbs/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Lumax 2.5 qt/A **Insecticide:** None  
**Irrigation:** None **Hybrid:** See Factors

**Planting Date:** 5/17/07 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 30000 plants per acre **Planting Method:** Kinze Plot Planter  
**Harvest Date:** S: 9/19/07 **Harvest Method:** G: Massey Ferguson 8XP  
G: 10/23/07 S: NH 707 Plot Chopper

---

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 20' **Experiment Size:** 0.21 A  
**Harvest Plot Size:** G: 22' x 5'  
S: 22' x 2.5' **Harvest Plant Density:** 28314 plants per acre

### Factors/Treatments:

#### Hybrids:

Dahlman D4523	Kussmaul SB2983RRYGPL
Gold Country 96SLSRR	Mycogen F2F485
Johnson Seeds 4990BtLL	Renk RK268RRYGRW

---

**Results: Table C-9.**

**Table C-9. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot. Rhinelander, WI - 2007**

Hybrid	Traits	Grain										Whole Plant										Milk 2006		
		Yield bu/A	Moist %	Weight lb/bu	Test %	Broken stalks %	Grower return \$/A	Yield T/A	Moist %	Kernel milk %	KMR 0-5	SMR 0-5	VMR 0-10	Crude protein %	ADF %	NDF %	In Vitro Digest %	NDF Digest %	Starch %	lb/T	Acres	lb/A	Acres	
Dahlman D4523		131	27.1	46.3	5	423	7.6	70.8	58.3	2.9	2.2	5.1	8.2	27.5	50.2	78.2	56.7	24.4	3043	23089				
Gold Country 96SLSRR	Leafy,RR	85	33.6	45.3	37	261	7.1	69.7	86.7	4.3	2.3	6.7	8.8	28.1	52.1	78.1	58.0	20.6	3018	21370				
Johnson Seeds 4990BtLL	CB,LL	138	28.3	47.1	0	442	7.7	67.0	60.0	3.0	2.0	5.0	8.3	23.8	45.7	80.9	58.1	28.3	3228	24673				
Kussmaul SB2983RRYGPL	CB,CR,RR	133	26.9	48.8	1	430	7.0	70.8	63.3	3.2	2.2	5.4	8.0	25.1	47.6	79.7	57.3	27.1	3146	22169				
Mycogen F2F485	BMR	51	32.6	49.1	47	159	7.5	74.3	73.3	3.7	2.7	6.4	8.6	25.7	49.4	83.2	66.0	23.4	3315	24737				
Renk RK268RRYGRW	CR,RR	133	28.5	47.6	4	423	7.1	68.8	75.0	3.8	2.4	6.2	8.2	25.1	48.3	78.8	56.1	27.0	3092	22102				
Mean		112	29.5	47.4	16	356	7.3	70.3	69.4	3.5	2.3	5.8	8.3	25.9	48.9	79.8	58.7	25.1	3140	23023				
<b>Probability(%)</b>																								
Hybrid (H)		0.0	0.0	0.0	0.0	0.0	95.2	0.4	2.9	2.9	48.8	1.0	14.4	3.5	5.2	0.2	0.2	1.3	0.4	73.6				
<b>LSD(0.10)</b>																								
Hybrid (H)		22	2.1	1.0	15	74	NS	2.4	14.1	0.7	NS	0.8	NS	2.2	3.2	1.7	3.2	3.3	112	NS				
<b>CV(%)</b>		13	5	1	64	14	14	2	14	14	18	9	4	6	4	1	4	9	2	14				

## FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot  
**Experiment:** 01GrainvsSilage **Trial ID:** 3065 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn, and T.H. Diallo  
**Location:** Valders, WI **County:** Manitowoc  
**Supported By:** HATCH

---

### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:** Kewaunee Clay Loam  
**Soil Test:** **Date:** 10/15/07 **pH** 6.9 **OM (%)** 88 **P (ppm)** 38 **K (ppm)** 2.8

---

### Plot Management

**Tillage Operations:** Chisel Plow Field Cultivator Cultivated 6/18/07  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	9-23-30	150	5 /7 /07
<b>Post plant :</b>	34-0-0	109 lbs/A	6 /18/07
<b>Manure:</b>	Dairy	12400 gal/A	Fall

**Herbicide:** Acetochlor 0.75 pt/A **Insecticide:** Force 4.4 lb/A  
 Stout 0.5 oz/A **Hybrid:** See Factors  
 Impact 0.5 oz/A  
 Atrazine 0.25 lbs/A  
**Irrigation:** None

**Planting Date:** 5/7/07 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 30000 plants per acre **Planting Method:** Kinze Plot Planter  
**Harvest Date:** S: 9/11/07 **Harvest Method:** G: Massey Ferguson 8XP  
 G: 10/17/07 S: NH 707 Plot Chopper

---

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 20' **Experiment Size:** 0.21 A  
**Harvest Plot Size:** G: 22' x 5' **Harvest Plant Density:** 28904 plants per acre  
 S: 22' x 2.5'

### Factors/Treatments:

#### Hybrids:

Crows 1684T	Mycogen F2F485
Dairyland Stealth 1600	NK Brand N33-H6
Mycogen 2A517	NuTech 3W-099ARR/YGRW

---

**Results: Table C-10.**

**Table C-10. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot. Valders, WI - 2007**

Hybrid	Traits	Grain										Whole Plant										Milk 2006	
		Yield bu/A	Moist %	Test weight lb/bu	Broken stalks %	Grower return \$/A	Yield T/A	Moist %	Kernel milk %	KMR 0-5	SMR 0-5	VMR 0-10	Crude protein %	ADF %	NDF %	In Vitro Digest %	Starch %	lb/T	Acres	lb/A	lb/T	Acres	
Crows 1684T	CB,CR,RR	182	20.0	56.3	0	611	7.6	57.9	68.3	3.4	1.5	4.9	6.7	18.5	37.7	84.3	58.4	39.0	3524	26693			
Dairyland Stealth 1600		140	23.6	52.2	2	461	5.9	62.7	65.0	3.3	2.0	5.3	6.9	21.4	42.8	83.3	61.1	31.3	3428	20079			
Mycogen 2A517	CB,LL	132	27.7	49.9	5	423	5.8	67.8	75.0	3.8	2.3	6.1	7.6	21.5	43.0	83.6	61.8	29.8	3436	19806			
Mycogen F2F485	BMR	99	24.9	53.4	6	323	5.0	67.6	60.0	3.0	2.1	5.1	8.4	21.0	44.3	86.6	69.8	25.8	3542	17735			
NK Brand N33-H6	Leafy	116	29.4	49.0	5	367	6.3	65.0	63.3	3.2	2.0	5.2	7.5	20.1	40.3	84.1	60.4	31.5	3486	21808			
NuTech 3W-099ARR/YGRW	CR,RR	195	21.2	52.9	2	649	8.0	64.6	56.7	2.8	1.9	4.7	6.3	20.2	40.9	83.7	60.2	34.1	3469	27622			
Mean		144	24.5	52.3	3	472	6.4	64.3	64.7	3.2	2.0	5.2	7.2	20.5	41.5	84.3	61.9	31.9	3481	22290			
<b>Probability(%)</b>																							
Hybrid (H)		0.0	0.0	0.0	7.3	0.0	0.0	0.1	30.6	30.6	5.5	20.6	0.1	24.0	5.0	0.6	0.0	0.4	47.0	0.0			
<b>LSD(0.10)</b>																							
Hybrid (H)		10	1.9	1.6	3	31	0.7	3.1	NS	NS	0.4	NS	0.6	NS	3.4	1.3	1.2	4.3	NS	2704			
<b>CV(%)</b>																							
		5	5	2	70	4	7	3	15	15	14	12	5	7	6	1	1	9	2	8			