

## FIELD EXPERIMENT HISTORY

**Title:** UW Corn Performance Trials - Private Silage  
**Experiment:** 01PrivateSilage **Trial ID:** 3624 **Year:** 2012  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Chippewa Falls, WI **County:** Chippewa  
**Supported By:** BASF Plant Science

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Sattre Silt Loam  
**Soil Test:** **Date:** 10/01/12 **pH:** 7.0 **OM (%)** 3.1 **P (ppm)** 19 **K (ppm)** 90

### Plot Management

**Tillage Operations:** Field Cultivator Cultivated  
**Fertilizer:**

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
<b>Preplant</b>	28-0-0	130 lbs/A	N/A
<b>Starter</b>	10-34-0	3.0 gal/A	4 /24/12
<b>Post plant</b>	N/A	N/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Hornet 3.0 oz/A **Insecticide:** None  
 Outlook 14 oz/A

**Irrigation:** None

**Planting Date:** 4/24/12 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 8/30/12 **Harvest Method:** New Holland 707 Plot Chopper

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 5' **Experiment Size:** 0.33 A  
**Harvest Plot Size:** 22' x 2.5' **Harvest Plant Density:** 25692 plants per acre

### Factors/Treatments:

#### Hybrids:

BASF 11672692	BASF 8167740
BASF 4530106	BASF 8301084
BASF 4681015	BASF 902672
BASF 4681045	BASF 902687
BASF 7853774	BASF 902997
BASF 8164994	BASF 905818
BASF 8167704	BASF 909703

**Results: Table C-13.**

**Table C-13. BASF Hybrid Corn Silage Evaluation Study.  
Chippewa Falls, WI - 2012.**

Hybrid	Quality Values Derived From BASF Lab											
	Dry Matter									Milk Per		Plant height
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre		
T/A	%	%	%	%	%	%	%	%	lbs/T	lbs/A	inches	
BASF 11672692	7.0	62.5	6.8	20.1	41.4	84.5	62.5	39.5	3504	24391	96	
BASF 4530106	7.0	60.9	7.1	18.0	39.1	84.8	61.0	44.4	3536	24564	88	
BASF 4681015	6.3	60.9	6.7	20.1	42.8	83.8	62.3	41.1	3448	21881	92	
BASF 4681045	6.9	63.7	7.9	19.4	42.2	82.7	59.2	40.4	3394	23328	92	
BASF 7853774	6.4	58.0	7.9	17.5	38.7	84.8	60.9	46.4	3539	22706	95	
BASF 8164994	5.1	59.7	7.5	17.5	38.9	85.4	62.3	46.0	3570	18103	86	
BASF 8167704	6.5	56.5	7.8	16.9	38.7	85.6	62.9	47.5	3586	23270	85	
BASF 8167740	6.9	58.5	6.9	16.4	37.7	85.7	62.0	46.9	3600	24845	85	
BASF 8301084	6.8	57.3	7.0	18.1	39.7	84.3	60.6	46.3	3508	23984	95	
BASF 902672	7.0	62.3	7.7	19.4	42.3	85.2	65.3	41.1	3536	24720	85	
BASF 902687	6.5	62.4	7.2	17.3	39.2	84.1	59.9	45.9	3501	22690	80	
BASF 902997	6.6	62.7	7.9	17.5	38.8	85.8	63.3	43.7	3591	23585	84	
BASF 905818	5.7	60.8	8.0	18.7	41.3	83.1	59.0	43.1	3419	19356	83	
BASF 909703	7.3	56.8	7.6	16.2	37.9	85.4	61.6	48.0	3580	26024	92	
Mean	6.5	60.2	7.4	18.1	39.9	84.7	61.6	44.3	3522	23103	88	
<b>Probability (%)</b>												
Hybrid	21.2	0.2	0.4	21.5	11.7	82.4	77.5	4.5	71.0	34.2	2.3	
<b>LSD (0.10)</b>												
Hybrid	NS	3.0	0.7	NS	NS	NS	NS	4.8	NS	NS	8	

## FIELD EXPERIMENT HISTORY

**Title:** UW Corn Performance Trials - Private Silage  
**Experiment:** 01PrivateSilage **Trial ID:** 3625 **Year:** 2012  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Marshfield, WI **County:** Wood  
**Supported By:** BASF Plant Science

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Withee Silt Loam  
**Soil Test:** **Date:** 10/01/12 **pH:** 6.9 **OM (%)** 3.4 **P (ppm)** 36 **K (ppm)** 60

### Plot Management

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

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
<b>Preplant</b>	N/A	N/A	N/A
<b>Starter</b>	10-34-0	3.0 gal/A	4 /27/12
<b>Post plant</b>	28-0-0	120	6 /15/12
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** SureStart 2.25 pt/A Volley 2.75 oz/A **Insecticide:** Force 3G 4.4 lbs/A Baythroid-2 1.6 oz/A  
**Irrigation:** None  
**Planting Date:** 4/27/12 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 9/6/12 **Harvest Method:** NH707

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 5' **Experiment Size:** 0.33 A  
**Harvest Plot Size:** 22' x 2.5' **Harvest Plant Density:** 25639 plants per acre

### Factors/Treatments:

#### Hybrids:

BASF 11672692	BASF 8167740
BASF 4530106	BASF 8301084
BASF 4681015	BASF 902672
BASF 4681045	BASF 902687
BASF 7853774	BASF 902997
BASF 8164994	BASF 905818
BASF 8167704	BASF 909703

**Results: Table C-14.**

**Table C-14. BASF Hybrid Corn Silage Evaluation Study.  
Marshfield, WI - 2012.**

Hybrid	Quality Values Derived From BASF Lab											
	Dry Matter									Milk Per		Plant height
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre		
T/A	%	%	%	%	%	%	%	%	lbs/T	lbs/A	inches	
BASF 11672692	6.4	61.2	6.5	18.2	39.8	82.3	55.6	43.6	3373	21598	96	
BASF 4530106	6.4	57.9	7.1	16.9	38.4	84.1	58.5	46.9	3479	22311	89	
BASF 4681015	5.6	60.2	8.0	20.0	43.9	80.0	54.7	41.2	3205	17937	93	
BASF 4681045	6.0	65.6	8.6	20.8	44.1	78.6	51.7	38.3	3123	18860	91	
BASF 7853774	6.1	51.9	7.6	17.0	38.7	82.9	56.0	48.5	3411	20669	92	
BASF 8164994	4.6	59.0	7.1	16.0	37.5	83.9	58.0	49.0	3477	16405	87	
BASF 8167704	5.9	56.4	8.2	15.0	36.9	84.6	58.2	50.8	3517	20872	79	
BASF 8167740	6.4	58.5	7.8	17.4	39.7	81.8	54.1	45.1	3335	21344	89	
BASF 8301084	8.1	48.8	7.7	16.2	37.9	83.9	57.5	50.5	3471	28223	89	
BASF 902672	5.5	63.7	7.7	16.9	39.1	83.3	57.3	46.0	3430	18944	93	
BASF 902687	6.5	60.2	8.2	15.9	38.1	82.5	54.3	48.0	3389	21977	86	
BASF 902997	3.9	65.4	7.9	21.1	43.1	81.9	57.5	37.1	3315	13146	86	
BASF 905818	5.7	61.7	9.5	17.8	41.4	80.8	53.5	44.2	3260	18448	86	
BASF 909703	6.0	56.9	7.7	16.2	37.7	83.5	56.4	48.3	3452	20729	85	
Mean	5.9	59.1	7.8	17.5	39.7	82.5	55.9	45.5	3374	20104	88	
<b>Probability (%)</b>												
Hybrid	7.2	0.0	0.2	34.3	14.9	12.0	30.4	11.2	9.9	8.1	5.8	
<b>LSD (0.10)</b>												
Hybrid	1.6	4.1	0.9	NS	NS	NS	NS	NS	223	5761	7	

## FIELD EXPERIMENT HISTORY

**Title:** UW Corn Performance Trials - Private Silage  
**Experiment:** 01PrivateSilage **Trial ID:** 3626 **Year:** 2012  
**Personnel:** J.G. Lauer, K.D. Kohn, and T. Diallo  
**Location:** Valders, WI **County:** Manitowoc  
**Supported By:** BASF Plant Science

### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:** Kewaunee Clay Loam  
**Soil Test:** **Date:** 10/01/12 **pH:** 7.9 **OM (%)** 3.4 **P (ppm)** 33 **K (ppm)** 107

### Plot Management

**Tillage Operations:** 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	10-34-0	3.0 gal/A	5 /1 /12
Post plant	46-0-0	80	6 /25/12
Manure:	Dairy	6000 gal	Fall

**Herbicide:** Keystone LA 1.5 oz/A  
 Steadfast 1.0 oz/A  
 Callisto 3.0 oz/A  
 Atrazine 0.25 lb/A

**Insecticide:** Force 3G 4.4 lbs/A

**Irrigation:** None

**Planting Date:** 5/1/12 **Planting Depth:** 1.5" **Row Width:** 30"

**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter

**Harvest Date:** 9/12/12 **Harvest Method:** New Holland 707 Plot Chopper

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 25' x 5' **Experiment Size:** 0.33 A  
**Harvest Plot Size:** 22' x 2.5' **Harvest Plant Density:** 26730 plants per acre

### **Factors/Treatments:**

#### Hybrids:

BASF 11672692	BASF 8167740
BASF 4530106	BASF 8301084
BASF 4681015	BASF 902672
BASF 4681045	BASF 902687
BASF 7853774	BASF 902997
BASF 8164994	BASF 905818
BASF 8167704	BASF 909703

**Results:** Table C-15.

**Table C-15. BASF Hybrid Corn Silage Evaluation Study.  
Valders, WI - 2012.**

Hybrid	Quality Values Derived From BASF Lab											
	Dry Matter									Milk Per		Plant height
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre		
T/A	%	%	%	%	%	%	%	%	lbs/T	lbs/A	inches	
BASF 11672692	9.2	57.6	6.1	15.5	36.1	85.6	60.5	50.6	3593	32988	93	
BASF 4530106	7.5	59.2	6.6	15.5	36.4	86.0	61.7	51.4	3626	27433	80	
BASF 4681015	8.9	57.5	6.7	17.7	40.1	83.2	58.2	47.0	3447	30727	87	
BASF 4681045	8.4	60.0	7.5	16.7	39.0	82.5	55.5	48.4	3407	28344	83	
BASF 7853774	7.4	47.8	7.2	13.4	33.8	87.7	63.8	55.0	3742	27622	83	
BASF 8164994	7.3	48.4	6.9	15.1	35.8	87.8	66.0	52.8	3727	27257	87	
BASF 8167704	5.9	52.0	7.6	14.6	35.8	86.0	60.8	52.3	3631	21230	81	
BASF 8167740	8.5	58.6	6.8	17.2	38.9	85.3	62.2	48.1	3573	30310	92	
BASF 8301084	7.5	53.0	6.8	13.9	35.2	85.9	60.0	53.6	3633	27297	84	
BASF 902672	8.0	57.5	7.0	14.3	35.4	86.1	60.8	51.7	3645	28916	82	
BASF 902687	6.2	55.6	8.6	12.7	34.5	86.8	61.8	54.1	3684	23021	75	
BASF 902997	5.4	59.5	7.8	15.0	35.9	85.4	59.5	52.6	3601	19566	75	
BASF 905818	9.0	57.4	8.6	13.8	35.7	84.8	57.3	52.5	3559	31905	82	
BASF 909703	8.4	61.1	7.1	13.9	35.1	85.4	58.2	52.6	3601	30415	84	
Mean	7.7	56.1	7.2	14.9	36.3	85.6	60.5	51.6	3605	27645	84	
<b>Probability (%)</b>												
Hybrid	0.8	1.3	0.0	2.4	1.8	0.3	0.5	4.0	0.2	4.0	22.3	
<b>LSD (0.10)</b>												
Hybrid	1.6	6.1	0.6	2.5	3.1	2.0	3.6	4.3	124	6237	NS	