

## FIELD EXPERIMENT HISTORY

**Title:** BASF Hybrid Corn Silage Trial  
**Experiment:** 01PrivateSilage **Trial ID** 2995 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn and T.H. Diallo  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** BASF Plant Science

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### Site Information

**Field:** 408 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date:** 11/01/07 **pH:** 7.0 **OM (%)** 3.3 **P (ppm)** 43 **K (ppm)** 137

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### Plot Management

**Tillage Operations:** Fall Chisel    Field Cultivator    Soil Finisher    Cultivate  
**Fertilizer:**

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

**Herbicide:** Harness 29 oz/A    **Insecticide:** Force 3G 4.4 lb/A  
 Callisto 3.0 oz/A

**Irrigation:** None

**Planting Date:** 4/30/07    **Planting Depth:** 1.5"    **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre    **Planting Method:** Kinze Plot Planter  
**Harvest Date:** 9/5/07    **Harvest Method:** New Holland 707 Plot Chopper  
**Notes:** Planted adjacent to public silage trial

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded** 25' x 5' **Experiment Size:** 0.24  
**Harvest Plot Size:** 22' x 2.5' **Harvest Plant Density:** 31720 plants per acre

### Factors/Treatments:

<u>Hybrid</u>		
780943	827317	866221
806148	832707	875980
827268	865232	875981
827271	865460	875995
827278	865462	875996

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**Results: Table C-18.**

**Table C-18. BASF Hybrid Corn Silage Evaluation Study.  
Arlington, WI 2007.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
BASF 780943	9.8	65.8	7.3	28.6	52.6	76.1	54.6	22.7	2851	27915
BASF 806148	8.3	66.6	8.2	27.1	50.2	77.1	54.2	26.8	2922	24181
BASF 827268	9.3	56.3	8.2	26.4	48.0	77.6	53.3	29.9	2976	27688
BASF 827271	9.2	65.3	8.1	25.5	47.3	77.9	53.2	30.9	2998	27589
BASF 827278	8.8	56.4	8.1	25.8	47.3	77.9	53.4	30.7	3002	26399
BASF 827317	8.6	70.5	7.5	31.5	54.9	71.3	47.7	22.2	2566	21735
BASF 832707	7.7	69.4	8.4	26.2	50.1	77.6	55.3	26.2	2953	22647
BASF 865232	9.4	59.8	7.7	24.0	44.7	79.5	54.2	33.3	3118	29618
BASF 865460	8.4	54.0	7.7	23.7	45.7	79.0	54.0	34.3	3076	25835
BASF 865462	9.9	66.2	7.3	26.6	50.6	77.5	55.5	25.0	2944	29140
BASF 866221	7.0	72.9	7.8	27.9	53.7	81.0	64.6	19.0	3049	21371
BASF 875980	10.0	70.4	7.4	27.9	51.8	76.8	55.3	25.6	2897	29026
BASF 875981	9.0	59.6	7.9	27.3	49.2	76.3	51.8	29.0	2893	26006
BASF 875995	9.4	63.0	7.6	26.0	48.8	77.5	53.9	27.9	2963	27789
BASF 875996	9.7	61.0	7.0	26.6	49.0	76.2	51.4	29.0	2894	28042
Mean	9.0	63.8	7.7	26.7	49.6	77.3	54.1	27.5	2940	26382
<b>Probability (%)</b>										
Hybrid	0.2	0.0	2.0	0.4	0.6	0.0	0.0	0.0	0.0	1.3
<b>LSD (0.10)</b>										
Hybrid	1.0	3.0	0.6	2.5	3.9	2.0	7.4	4.4	144	3691
<b>CV (%)</b>										
Hybrid	8	3	6	7	6	2	3	12	4	10

## FIELD EXPERIMENT HISTORY

**Title:** BASF Hybrid Corn Silage Trial  
**Experiment:** 01PrivateSilage **Trial ID** 2996 **Year:** 2007  
**Personnel:** J.G. Lauer, K.D. Kohn and T.H. Diallo  
**Location:** Lancaster, WI **County:** Grant  
**Supported By:** BASF Plant Science

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### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:** Fayette Silt Loam  
**Soil Test:** **Date:** 11/01/07 **pH:** 7.0 **OM (%)** 2.0 **P (ppm)** 20 **K (ppm)** 75

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### Plot Management

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

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
<b>Preplant</b>	46-0-0	160	N/A
<b>Starter</b>	9-23-30	150	5 /3 /07
<b>Post plant</b>	N/A	N/A	N/A
<b>Manure:</b>		N/A	N/A

**Herbicide:** Dual II 2.0 pt/A **Insecticide:** Force 3G 4.4 lb/A  
 Accent 0.67 oz/A  
 Callisto 6.0 oz/A  
 Aatrex 4L 0.7 qt./A

**Irrigation:** None

**Planting Date:** 5/3/07 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Kinze Plot Planter  
**Harvest Date:** 9/4/07 **Harvest Method:** New Holland 707 Plot Chopper  
**Notes:** Planted adjacent to public silage trial

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded** 25' x 5' **Experiment Size:** 0.24  
**Harvest Plot Size:** 22' x 2.5' **Harvest Plant Density:** 30806 plants per acre

### Factors/Treatments:

#### Hybrid

780943	827317	866221
806148	832707	875980
827268	865232	875981
827271	865460	875995
827278	865462	875996

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**Results:** Table C-19.

**Table C-19. BASF Hybrid Corn Silage Evaluation Study.  
Lancaster, WI 2007.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
BASF 780943	9.9	61.6	5.7	26.7	49.5	77.4	54.5	27.0	2942	29212
BASF 806148	8.6	64.3	5.9	25.3	47.3	77.7	52.8	31.9	2982	25623
BASF 827268	8.6	59.4	7.5	24.7	46.3	77.6	51.5	31.7	2977	25559
BASF 827271	9.1	63.8	6.6	23.9	44.9	78.7	52.4	34.9	3055	27858
BASF 827278	9.1	61.0	7.0	23.7	44.8	79.0	52.9	34.6	3072	27937
BASF 827317	10.6	66.1	6.3	26.8	48.3	75.9	50.1	29.1	2872	30479
BASF 832707	9.8	66.1	7.6	23.2	43.7	79.2	52.4	32.5	3095	30470
BASF 865232	9.1	63.3	6.7	23.7	44.0	79.3	53.1	34.6	3103	28353
BASF 865460	8.8	60.3	7.0	22.6	43.6	79.7	53.3	35.1	3123	27543
BASF 865462	9.1	64.9	7.0	27.3	50.3	76.6	53.5	27.0	2882	26334
BASF 866221	7.0	65.1	7.2	24.7	47.0	80.7	59.0	30.9	3143	21918
BASF 875980	10.1	65.2	5.1	27.4	49.9	76.5	52.9	27.1	2888	29208
BASF 875981	9.3	62.1	6.9	23.2	43.1	79.3	51.8	35.9	3107	28840
BASF 875995	10.1	56.1	5.8	23.1	42.6	78.0	48.4	36.8	3044	30619
BASF 875996	9.3	59.8	6.4	25.8	46.9	76.9	50.7	31.5	2939	27276
Mean	9.2	62.6	6.6	24.8	46.1	78.2	52.6	32.0	3015	27815
<b>Probability (%)</b>										
Hybrid	0.0	0.1	0.1	6.0	2.1	1.6	0.0	0.4	2.9	1.2
<b>LSD (0.10)</b>										
Hybrid	0.8	3.4	0.8	2.8	3.9	2.1	2.6	4.5	149	3377
<b>CV (%)</b>										
Hybrid	7	4	9	8	6	2	4	10	4	9