

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3406 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: AgReliant Genetics, LLC

Site Information

Field: ARS408 **Previous Crop:** Corn **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/21/11 **pH:** 7.1 **OM (%)** 3.3 **P (ppm)** 64 **K (ppm)** 193

Plot Management

Tillage Operations: Disk Ripper Field Cultivator Cultivated

Fertilizer:	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	46-0-0	150 lbs/A	5 /2 /11
Starter	10-34-0	3.0 gal/A	5 /3 /11
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Dual II Mag 24 oz/A **Insecticide:** Force 3G 4.4 lb/A
 Hornet 4 oz/A
 Accent Q 1 oz/A

Irrigation: None

Planting Date: 5/3/11 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/8/11 **Harvest Method:** New Holland 707 Plot Chopper

Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.32 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 32954 plants per acre

Hybrids:

S1026 S1145
 S1126 S1150
 S1132 S1151
 S1134 S954
 S1136 S978
 S1142

Results: Table C-10

**Table C-10. AgReliant Hybrid Corn Silage Evaluation Study.
Arlington, WI - 2011.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1026	9.6	62.3	6.2	24.4	46.1	79.2	54.7	36.2	3100	29679
AgReliant S1126	9.3	58.1	6.2	27.0	49.1	76.7	52.4	34.9	2932	27244
AgReliant S1132	10.0	63.7	6.4	24.8	47.4	79.1	56.0	35.1	3083	31042
AgReliant S1134	9.9	63.4	5.9	26.3	48.7	77.1	53.1	35.0	2963	29342
AgReliant S1136	9.0	65.3	6.3	27.4	50.9	77.5	55.8	32.3	2961	26556
AgReliant S1142	8.3	67.4	6.9	25.6	49.5	78.7	57.0	31.2	3037	25283
AgReliant S1145	9.8	66.6	6.8	25.8	48.1	78.8	55.8	33.6	3054	29844
AgReliant S1150	10.7	66.7	6.1	27.1	50.0	78.0	55.9	32.9	2995	32034
AgReliant S1151	10.0	66.8	6.1	27.5	51.2	76.4	53.9	30.5	2897	28870
AgReliant S954	10.3	67.6	6.6	26.0	48.4	78.8	56.3	34.1	3055	31421
AgReliant S978	10.2	65.0	6.5	27.7	50.5	77.0	54.5	32.7	2936	29870
Mean	9.7	64.8	6.4	26.3	49.1	77.9	55.0	33.5	3001	29199
Probability (%)										
Hybrid	2.6	0.1	0.1	54.6	60.9	23.2	0.5	61.6	37.9	6.2
LSD (0.10)										
Hybrid	1.0	3.1	0.3	NS	NS	NS	1.8	NS	NS	3427

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3405 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Lancaster, WI **County:** Grant
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Fayette Silt Loam
Soil Test: **Date:** 10/04/11 **pH:** 6.8 **OM (%)** 2.1 **P (ppm)** 14 **K (ppm)** 77

Plot Management

Tillage Operations: Soil Finisher N/A
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	46-0-0	63 bs/A	N/A
Starter	10-34-0	3.0 gal/A	4 /21/10
Post plant	46-0-0	63 bs/A	6 /17/11
Manure:	Beef	40 Ton	N/A

Herbicide: Lumax 3 qt/A **Insecticide:** Force 3G 4.4 lb/A
Irrigation: None

Planting Date: 5/4/11 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 9/9/11 **Harvest Method:** New Holland 707 Plot Chopper
Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.32 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 32855 plants per acre
Hybrids:

S1026	S1145
S1126	S1150
S1132	S1151
S1134	S954
S1136	S978
S1142	

Results: Table C-11.

**Table C-11. AgReliant Hybrid Corn Silage Evaluation Study.
Lancaster, WI - 2011.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1026	10.3	60.3	5.0	24.7	47.9	81.0	60.4	37.5	3202	33109
AgReliant S1126	8.5	61.0	5.7	27.1	50.6	77.1	54.5	33.9	2958	25140
AgReliant S1132	8.8	59.0	4.4	23.7	45.9	79.6	55.6	39.6	3150	27639
AgReliant S1134	11.6	62.4	5.5	25.4	46.9	77.9	52.8	37.7	3041	35168
AgReliant S1136	9.4	61.9	4.8	25.0	47.4	79.2	56.2	37.9	3112	29292
AgReliant S1142	9.3	64.8	6.3	24.6	47.7	79.8	57.7	35.2	3133	29163
AgReliant S1145	11.3	60.8	5.3	22.8	44.1	80.8	56.5	40.8	3231	36581
AgReliant S1150	12.0	64.7	5.7	25.4	48.4	79.7	58.2	35.8	3124	37440
AgReliant S1151	10.5	62.7	4.3	26.0	49.4	78.2	55.9	35.5	3037	31969
AgReliant S954	10.3	66.5	5.6	25.5	47.4	79.8	57.4	36.6	3137	32471
AgReliant S978	10.9	64.5	5.6	24.3	46.2	79.8	56.2	38.0	3151	34447
Mean	10.3	62.6	5.3	25.0	47.4	79.4	56.5	37.1	3116	32038
Probability (%)										
Hybrid	0.2	3.0	0.8	18.1	19.5	1.8	1.0	27.6	4.0	0.3
LSD (0.10)										
Hybrid	1.3	3.5	0.8	NS	NS	1.7	2.6	NS	121.3	4642

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3404 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Fond du Lac, WI **County:** Fond du Lac
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam
Soil Test: **Date:** 10/21/11 **pH:** 6.7 **OM (%)** 2.9 **P (ppm)** 23 **K (ppm)** 86

Plot Management

Tillage Operations: Fall Chisel Field Cultivator Cultivated
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	N/A	N/A	N/A
Starter	10-34-0	3.0 gal/A	5/17/11
Post plant	46-0-0	150	N/A
Manure:	N/A	N/A	N/A

Herbicide: Lumax 3 qt/A **Insecticide:** None
Irrigation: None
Planting Date: 5/17/11 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 9/16/11 **Harvest Method:** New Holland 707 Plot Chopper
Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.3 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 34340 plants per acre

Hybrids:

S1014 S1114
 S1015 S1115
 S1109 S1116
 S1110 S1117
 S1111 S1118
 S1112 S1119
 S1113

Results: Table C-12.

**Table C-12. AgReliant Hybrid Corn Silage Evaluation Study.
Fond du Lac, WI - 2011.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1014	7.7	59.4	5.0	23.9	45.5	78.8	53.5	36.7	3078	23745
AgReliant S1015	8.2	58.4	5.0	25.8	48.7	77.5	53.8	33.7	2971	24528
AgReliant S1109	9.0	54.1	5.2	22.7	44.2	79.3	53.4	40.5	3120	28136
AgReliant S1110	9.2	57.7	4.7	24.3	46.6	78.9	54.9	36.4	3074	28266
AgReliant S1111	9.8	57.3	5.5	22.4	44.2	79.7	54.1	38.9	3138	30728
AgReliant S1112	9.0	57.1	4.7	24.8	47.2	78.7	54.9	38.4	3055	27603
AgReliant S1113	9.7	56.8	5.1	24.2	45.2	78.7	52.9	37.8	3072	29872
AgReliant S1114	10.9	57.7	4.4	23.2	43.5	79.3	52.7	40.6	3129	34174
AgReliant S1115	8.7	60.3	4.6	26.4	48.5	77.8	54.4	34.9	2995	26177
AgReliant S1116	8.8	61.3	4.9	27.1	49.3	77.1	53.5	32.4	2943	26085
AgReliant S1117	9.8	61.6	4.7	26.2	48.1	77.6	53.5	33.6	2985	29351
AgReliant S1118	7.7	61.5	4.8	26.9	48.7	77.3	53.4	34.5	2963	22764
AgReliant S1119	9.4	60.9	5.2	27.3	51.5	76.7	54.9	32.0	2900	27430
Mean	9.1	58.8	4.9	25.0	47.0	78.3	53.8	36.2	3033	27604
Probability (%)										
Hybrid	10.5	0.1	7.8	34.5	40.6	92.5	95.0	17.3	84.5	22.9
LSD (0.10)										
Hybrid	1.6	2.8	0.5	3.8	5.5	3.5	2.8	5.7	247.0	6291.2

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3408 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Galesville, WI **County:** Trempealeau
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam
Soil Test: **Date:** 10/6 /11 **pH:** 6.1 **OM (%)** 3.2 **P (ppm)** 32 **K (ppm)** 166

Plot Management

Tillage Operations: Fall Zone Strip Tillage N/A
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	21-0-0-24	21 bs/A	N/A
Starter	46-0-0 10-34-0	150 lbs/A 3.0 gal/A	5 /2 /11
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Callisto 3.0 oz/A
 Harness 3.0 pt/A **Insecticide:** None

Irrigation: None

Planting Date: 5/2/11 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/12/11 **Harvest Method:** New Holland 707 Plot Chopper

Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.30 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 31310 plants per acre

Hybrids:

S1014 S1114
 S1015 S1115
 S1109 S1116
 S1110 S1117
 S1111 S1118
 S1112 S1119
 S1113

Results: Table C-13.

**Table C-13. AgReliant Hybrid Corn Silage Evaluation Study.
Galesville, WI - 2011.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1014	8.5	65.2	8.0	24.5	47.5	79.6	57.0	32.5	3106	26448
AgReliant S1015	9.5	56.3	6.3	19.9	39.9	82.4	56.0	43.6	3346	31755
AgReliant S1109	7.0	61.7	7.5	24.5	47.1	79.7	56.9	34.9	3120	21984
AgReliant S1110	9.0	54.4	6.4	21.8	42.8	80.2	53.7	40.5	3192	28756
AgReliant S1111	8.3	62.7	7.0	25.0	47.6	77.4	52.6	33.2	2990	24910
AgReliant S1112	11.3	63.5	7.2	24.5	47.3	79.7	57.0	34.8	3118	35371
AgReliant S1113	12.2	61.2	7.1	25.1	47.4	78.4	54.3	33.5	3044	37004
AgReliant S1114	11.8	62.3	7.2	24.5	46.9	78.9	55.0	34.0	3078	36461
AgReliant S1115	7.0	64.8	7.7	25.4	49.0	78.8	56.6	30.8	3047	21275
AgReliant S1116	8.2	63.4	7.3	25.7	49.1	78.0	55.1	30.0	3005	24801
AgReliant S1117	11.2	62.4	7.1	23.9	45.4	80.1	56.2	34.7	3163	35480
AgReliant S1118	10.5	63.3	6.6	24.5	46.1	79.6	55.8	35.8	3128	32893
AgReliant S1119	9.8	62.0	6.8	23.8	45.9	80.0	56.5	36.1	3153	31081
Mean	9.6	61.8	7.1	24.1	46.3	79.4	55.6	35.0	3115	29863
Probability (%)										
Hybrid	0.1	0.0	0.0	0.2	0.1	2.1	4.7	0.0	1.1	0.3
LSD (0.10)										
Hybrid	2.1	3.3	0.4	1.9	3.0	1.9	2.3	3.5	130.4	6998

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3407 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Chippewa Falls, WI **County:** Chippewa
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Sattre Silt Loam
Soil Test: **Date:** 10/21/11 **pH:** 5.7 **OM (%)** 3.1 **P (ppm)** 87 **K (ppm)** 102

Plot Management

Tillage Operations: Field Cultivator Cultivated
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	28-0-0	130 lbs/A	N/A
Starter	10-34-0	3.0 gal/A	5 /2 /11
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

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

Irrigation: None

Planting Date: 5/2/11 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/13/11 **Harvest Method:** New Holland 707 Plot Chopper

Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.33 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 27651 plants per acre

Hybrids:

S1001 S1104
 S1004 S1105
 S1005 S1106
 S1006 S1107
 S1101 S1108
 S1102 S907
 S1103 S908

Results: Table C-14.

**Table C-14. AgReliant Hybrid Corn Silage Evaluation Study.
Chippewa Falls, WI - 2011.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1001	5.7	44.1	5.9	21.3	43.2	79.7	53.1	40.9	3153	18136
AgReliant S1004	7.3	51.4	5.4	19.7	40.4	81.3	53.6	40.4	3270	23992
AgReliant S1005	7.2	52.6	5.2	22.6	44.3	79.4	53.5	38.9	3127	22522
AgReliant S1006	7.1	51.6	5.3	21.9	43.0	80.4	54.4	39.4	3198	22562
AgReliant S1101	7.9	45.5	5.3	22.1	43.2	79.9	53.4	39.6	3166	25079
AgReliant S1102	7.9	42.0	6.1	19.5	40.9	80.8	53.1	42.4	3235	25698
AgReliant S1103	6.7	56.4	5.7	22.7	44.8	80.1	55.4	34.8	3158	21175
AgReliant S1104	5.2	53.3	5.6	22.7	44.7	79.7	54.6	33.9	3141	16256
AgReliant S1105	7.2	52.2	5.4	20.7	40.9	81.1	53.8	40.7	3255	23405
AgReliant S1106	6.7	49.1	5.3	19.9	40.4	81.5	54.3	42.4	3285	22152
AgReliant S1107	7.9	48.8	5.2	20.5	41.7	81.1	54.7	42.6	3250	25544
AgReliant S1108	8.2	49.5	5.4	21.4	42.6	79.6	52.2	40.3	3156	25959
AgReliant S907	7.5	52.5	5.5	23.1	45.7	78.7	53.3	37.2	3075	22995
AgReliant S908	7.5	50.8	5.2	19.9	40.6	81.9	55.5	41.9	3306	24820
Mean	7.1	50.0	5.5	21.3	42.6	80.4	53.9	39.7	3198	22878
Probability (%)										
Hybrid	0.0	0.0	2.2	3.2	2.8	11.0	61.3	0.7	6.8	0.1
LSD (0.10)										
Hybrid	0.9	3.6	0.4	2.0	2.8	NS	NS	3.7	118.8	3421.5

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3409 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Marshfield, WI **County:** Wood
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Withee Silt Loam
Soil Test: **Date:** 10/21/11 **pH:** 6.5 **OM (%)** 3.3 **P (ppm)** 55 **K (ppm)** 138

Plot Management

Tillage Operations: Chisel Plow Spring Field Cultivator Cultivated
Fertilizer:

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

Herbicide: SureStart 2.25 pt/A **Insecticide:** Force 3G 4.4 lbs/A
 Volley 2.75 oz/A

Irrigation: None

Planting Date: 5/18/11 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/22/11 **Harvest Method:** New Holland 707 Plot Chopper

Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.33 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 33711 plants per acre

Hybrids:

S1001 S1104
 S1004 S1105
 S1005 S1106
 S1006 S1107
 S1101 S1108
 S1102 S907
 S1103 S908

Results: Table C-15.

**Table C-15. AgReliant Hybrid Corn Silage Evaluation Study.
Marshfield, WI - 2011.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1001	7.0	64.4	7.5	22.9	44.4	79.8	54.6	36.6	3150	22089
AgReliant S1004	7.4	70.3	6.8	27.9	51.8	79.1	59.6	28.2	3035	22595
AgReliant S1005	7.8	69.6	6.6	25.9	48.6	77.3	53.3	33.7	2974	23440
AgReliant S1006	7.8	68.4	6.7	24.9	47.5	78.6	54.8	35.0	3053	23716
AgReliant S1101	7.1	65.7	6.9	27.4	50.7	76.4	53.5	32.0	2904	20554
AgReliant S1102	7.3	67.5	7.3	25.7	48.4	77.6	53.6	33.4	2987	21789
AgReliant S1103	8.2	68.3	6.5	24.6	47.2	78.5	54.5	35.6	3054	25075
AgReliant S1104	7.3	68.6	6.3	26.8	50.4	77.5	55.3	32.2	2967	21514
AgReliant S1105	7.0	71.1	7.2	25.9	48.0	77.2	52.6	34.9	2972	20822
AgReliant S1106	7.0	71.5	7.0	24.9	47.3	78.2	53.9	35.3	3033	21373
AgReliant S1107	8.3	68.9	7.1	25.0	47.7	79.1	56.1	33.4	3077	25611
AgReliant S1108	8.2	72.1	7.4	27.3	51.2	77.0	55.2	29.6	2925	24205
AgReliant S907	9.3	68.4	6.6	25.1	47.2	80.0	57.6	33.7	3134	29184
AgReliant S908	7.8	69.2	7.2	25.3	48.1	78.7	55.8	33.4	3055	23902
Mean	7.7	68.9	6.9	25.7	48.4	78.2	55.0	33.3	3023	23276
Probability (%)										
Hybrid	0.6	0.0	10.4	31.1	29.4	41.8	4.7	15.6	47.6	2.2
LSD (0.10)										
Hybrid	0.9	2.0	NS	NS	NS	NS	3.1	NS	NS	3529

FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID:** 3410 **Year:** 2011
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Valders, WI **County:** Manitowoc
Supported By: AgReliant Genetics, LLC

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Withee Silt Loam
Soil Test: **Date:** 10/21/11 **pH:** 7.3 **OM (%)** 2.6 **P (ppm)** 32 **K (ppm)** 115

Plot Management

Tillage Operations: Chisel Plow Cultivated
Fertilizer:

	<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 /19/11
Post plant	46-0-0	160 lbs/A	6 /21/11
Manure:	N/A	N/A	N/A

Herbicide: Steadfast 1.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A
 Laudis 2.0 oz/A

Irrigation: None

Planting Date: 5/19/11 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter
Harvest Date: 9/20/11 **Harvest Method:** New Holland 707 Plot Chopper
Notes: Planted adjacent to public silage trial

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.33 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 33075 plants per acre

Hybrids:

S1001 S1104
 S1004 S1105
 S1005 S1106
 S1006 S1107
 S1101 S1108
 S1102 S907
 S1103 S908

Results: Table C-16.

**Table C-16. AgReliant Hybrid Corn Silage Evaluation Study.
Valders, WI - 2011.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
AgReliant S1001	6.3	39.0	6.7	23.1	44.6	75.5	45.2	38.9	2862	17999
AgReliant S1004	7.7	47.1	6.7	20.4	42.1	80.4	53.4	39.8	3157	24189
AgReliant S1005	8.4	45.7	6.0	21.8	42.9	77.9	48.3	41.0	3013	25184
AgReliant S1006	8.5	46.0	6.1	21.7	42.8	78.1	48.8	41.2	3024	25850
AgReliant S1101	6.1	40.9	6.5	23.7	45.9	77.2	50.3	37.8	2939	17867
AgReliant S1102	7.3	41.0	7.3	20.5	42.2	78.7	49.6	41.1	3063	22469
AgReliant S1103	8.6	51.0	5.7	20.6	41.1	80.0	51.4	44.0	3154	27139
AgReliant S1104	7.2	49.8	6.0	23.8	45.6	77.1	49.8	38.5	2940	21086
AgReliant S1105	6.7	42.5	6.5	22.6	42.8	77.7	48.0	42.4	3003	20118
AgReliant S1106	7.2	43.8	6.0	19.5	39.7	81.0	52.2	45.3	3223	23279
AgReliant S1107	8.3	50.1	6.1	22.6	44.4	78.2	51.1	39.2	3014	25053
AgReliant S1108	8.2	52.1	6.5	23.6	44.3	76.9	47.9	39.5	2943	24055
AgReliant S907	8.4	48.4	6.1	22.8	43.0	77.8	48.4	41.0	3009	25418
AgReliant S908	8.1	49.3	5.8	21.3	42.1	79.7	51.7	41.6	3122	25206
Mean	7.6	46.2	6.3	22.0	43.1	78.3	49.7	40.8	3033	23208
Probability (%)										
Hybrid	0.0	0.0	0.0	13.4	38.3	2.3	0.5	28.7	4.7	0.0
LSD (0.10)										
Hybrid	0.9	3.1	0.4	2.6	3.9	2.3	2.9	4.5	166.9	3257