Title: AgReliant Hybrid Corn Silage Trial

Experiment: Private Silage Evaluation
Trial ID: 2836
Year: 2006

Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn

Location: Arlington, WI
County: Columbia

Supported By: AgReliant Genetics, LLC

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Site Information

Field: 413
Previous Crop: Corn
Soil Type: Plano Silt Loam

Soil Test:
Date: 11/01/06
pH: 7.1
OM (%): 3.6
P (ppm): 37
K (ppm): 115

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Plot Management

Tillage Operations: Chisel Plow
Field Cultivator
Soil Finisher
Cultivate

Fertilizer:
Preplant
Analysis: 46-0-0
Rate: 325
Date: N/A
Starter
Analysis: 9-23-30
Rate: 150
Date: 4/27/06
Post plant
Analysis: N/A
Rate: N/A
Date: N/A
Manure:
Analysis: N/A
Rate: N/A
Date: N/A

Herbicide:
Hornet 4.0 oz/A
Outlook 20 oz/A
Callisto 3.0 oz/A

Insecticide: Force 3G 4.4 lb/A

Irrigation: None

Planting Date: 04/27/06
Planting Depth: 1.5"
Row Width: 30"

Target Plant Density: 32000 plants per acre

Planting Method: Kinze Plot Planter

Harvest Date: 9-14-60
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: 0.07

Harvest Plot Size: 22' x 2.5'
Harvest Plant Density: 31482 plants per acre

Factors/Treatments:

Hybrid
S510
S512
S513
S514
S609
S611
S612
S620

---

Results: Table C-18.
Table C-18. AgReliant Hybrid Corn Silage Evaluation Study.
Arlington, WI 2006.

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<th>CP %</th>
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**Probability (%)**

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**LSD (0.10)**

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**CV (%)**

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FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: Private Silage Evaluation  Trial ID: 2837  Year: 2006
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Lancaster, WI  County: Grant
Supported By: AgReliant Genetics, LLC

Site Information
Field:  Previous Crop: Soybean  Soil Type: Fayette Silt Loam
Soil Test: Date: N/A  pH 7.5  OM (%) 2.9  P (ppm) 75  K (ppm) 104

Plot Management
Tillage Operations: Field Cultivator  Cultivate
Fertilizer:  Analysis  Rate  Date
Preplant  46-0-0  160  N/A
Starter  9-23-30  150  5/6/06
Post plant  N/A  N/A  N/A
Manure:  N/A  N/A  N/A
Herbicide:  Harness 1.0 qt/A  Insecticide: None
Atrazine XL 1.0 qt/A
Glyphosate 1.0 qt/A
Irrigation: None
Planting Date: 05/06/06  Planting Depth: 1.5"  Row Width 30"
Target Plant Density: 32000 plants per acre  Planting Method: Kinze Plot Planter
Harvest Date: 9-7-06  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: 0.07
Harvest Plot Size: 22' x 2.5'  Harvest Plant Density: 30096 plants per acre
Factors/Treatments:

Hybrid
S510  S609
S512  S611
S513  S612
S514  S620

Results: Table C-19.
### Table C-19. AgReliant Hybrid Corn Silage Evaluation Study.  
Lancaster, WI 2006.

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**Probability (%)**

| Genotype | 54.3 | 4.9 | - | - | 41.2 | 7.3 | 11.4 | 3.4 | 9.8 | 6.7 | 4.8 | 58.4 |

**LSD (0.10)**

| Genotype | NS | 3.3 | - | - | NS | 2.9 | NS | 2.0 | 1.8 | 4.4 | 154 | NS |

**CV (%)**

| 9 | 3 | - | - | 4 | 8 | 6 | 2 | 2 | 9 | 4 | 12 |
FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: Private Silage Evaluation
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Fond du Lac, WI
Supported By: AgReliant Genetics, LLC

Site Information
Field: C-20
Previous Crop: Soybean
Soil Type: Virgil Silt Loam
Soil Test: Date: 11/01/06 pH 7.1 OM (%) 5.5 P (ppm) 14 K (ppm) 113

Plot Management
Tillage Operations: No Till Cultivate
Fertilizer:
Preplant Analysis Rate Date
N/A N/A N/A
Starter Analysis Rate Date
9-23-30 150 5/8/06
Post plant Analysis Rate
28-0-0 120 N/A
Manure: N/A N/A
Herbicide: Basis 0.33 oz/A
Cinch 0.8 oz/A
Glyphosate 1.5 pt/A
Steadfast 0.5 oz/A
Callisto 1.5 oz/A
Atrazine 0.66 oz/A
Insecticide: None

Irrigation:
Planting Date: 05/08/06 Planting Depth: 1.5" Row Width: 30"
Target Plant Density: 32000 plants per acre
Harvest Date: 9-16-06
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: 0.1
Harvest Plot Size: 22' x 2.5'
Harvest Plant Density: 21978 plants per acre
Factors/Treatments:
Hybrid
S508 S608 S623
S510 S609 S624
S606 S610 S625
S607 S622

Results: Table C-20.
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<th>IVD %</th>
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**Probability (%)**

| Genotype | 57.2 | 6.9 | - | - | 46.4 | 48.2 | 31.6 | 22.3 | 2.3 | 28.0 | 26.8 | 35.9 |

**LSD (0.10)**

| Genotype | NS | 3.4 | - | - | NS | NS | NS | NS | 2.5 | NS | NS | NS |

**CV (%)**

| 14 | 4 | - | - | 7 | 9 | 6 | 2 | 3 | 10 | 3 | 15 |
FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: Private Silage Evaluation
Trial ID: 2839
Year: 2006
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Galesville, WI
County: Trempealeau
Supported By: AgReliant Genetics, LLC

Site Information
Field: 
Previous Crop: Soybean
Soil Type: Downs Silt Loam
Soil Test:
Date: 11/01/06
pH 5.9
OM (%) 4.0
P (ppm) 25
K (ppm) 140

Plot Management
Tillage Operations: Fall Zone
Cultivate

Fertilizer:
Preplant Analysis Rate Date
N/A N/A N/A
Starter Analysis Rate Date
9-23-30 150 4/26/06
Post plant Analysis Rate Date
28-0-0 120 N/A
Manure Analysis Rate Date
N/A N/A

Herbicide: Cinch 2.0 pt/A
Callisto 3.0 oz/A

Herbicide: None

Irrigation: None

Planting Date: 04/26/06
Planting Depth: 1.5"
Row Width: 30"

Target Plant Density: 32000 plants per acre

Harvest Date: 9-15-06
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: 0.1

Harvest Plot Size: 22' x 2.5'
Harvest Plant Density: 30888 plants per acre

Factors/Treatments:

Hybrid
S508 S608 S623
S510 S609 S624
S606 S610 S625
S607 S622

Results: Table C-21.
Table C-21. AgReliant Hybrid Corn Silage Evaluation Study. 
Galesville, WI 2006.

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<th>Stalk Lodging %</th>
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<th>ADF %</th>
<th>NDF %</th>
<th>IVD %</th>
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**Mean**

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**LSD (0.10)**

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**CV (%)**

| Genotype | 9          | 4           | 6          | 6          | 2          | 2          | 8          | 4          | 11        |
FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial

Experiment: Private Silage Evaluation

Trial ID: 2840

Year: 2006

Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn

Location: Chippewa Falls, WI

County: Chippewa

Supported By: AgReliant Genetics, LLC

Site Information

Field: Soybean

Previous Crop: Soybean

Soil Type: Sattre Silt Loam

Soil Test: Date: 11/01/06  pH 6.4  OM (%) 2.3  P (ppm) 28  K (ppm) 69

Plot Management

Tillage Operations: Field Cultivator Cultivate

Fertilizer: Analysis Rate Date

Preplant N/A N/A N/A

Starter 9-23-30 150 4/26/06

Post plant 28-0-0 150 N/A

Manure: N/A N/A

Herbicide: Harness 1.6 pt/A

Hermet 3.0 oz/A

Insecticide: None

Irrigation:

None

Planting Date: 04/26/06

Planting Depth: 1.5"

Row Width 30"

Target Plant Density: 32000 plants per acre

Planting Method: Kinze Plot Planter

Harvest Date: 9-6-06

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: 0.05

Harvest Plot Size: 22' x 2.5'

Harvest Plant Density: 28512 plants per acre

Factors/Treatments:

Hybrid

S503  S603

S601  S604

S602  S605

Results: Table C-22.
Table C-22. AgReliant Hybrid Corn Silage Evaluation Study.
Chippewa Falls, WI 2006.

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<th>Root Lodging %</th>
<th>Stalk Lodging %</th>
<th>CP %</th>
<th>ADF %</th>
<th>NDF %</th>
<th>IVD %</th>
<th>NDFD %</th>
<th>Starch %</th>
<th>Milk Per</th>
<th>Ton</th>
<th>Acre</th>
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**Probability (%)**

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**LSD (0.10)**

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**CV (%)**

|          | 8   |

- T/A: Total/Average
- %: Percentage
- lbs/T: Pounds per Ton
- lbs/A: Pounds per Acre
- NS: Not Significant
FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: Private Silage Evaluation
Trial ID: 2841
Year: 2006
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Marshfield, WI
County: Wood
Supported By: AgReliant Genetics, LLC

Site Information
Field: W5
Previous Crop: Soybean
Soil Type: Loyal Silt Loam
Soil Test:
Date: 11/01/06
pH: 6.6
OM (%): 2.5
P (ppm): 39
K (ppm): 125

Plot Management
Tillage Operations: Fall Chisel
Field Cultivator
Cultivate
Fertilizer:
Preplant
Starter
Post plant
Manure:
Analysis
N/A
9-23-30
28-0-0
N/A
Rate
N/A
150
80
N/A
Date
N/A
5/4/06
6/15/06
N/A
Herbicide:
Hornet 2.4 oz/A
Atrazine 1.0 qt/A
Outlook 14 oz/A
Accent 0.66 oz/A
Northstar 5.0 oz/A
Insecticide: None
Irrigation:
None
Planting Date:
05/04/06
Planting Depth:
1.5"
Row Width:
30"
Target Plant Density:
32000 plants per acre
Planting Method:
Kinze Plot Planter
Harvest Date:
9/20/06
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: 0.05
Harvest Plot Size:
22' x 2.5'
Harvest Plant Density: 29304 plants per acre
Factors/Treatments:
Hybrid
S503
S603
S601
S604
S602
S605

Results: Table C-23.
Table C-23. AgReliant Hybrid Corn Silage Evaluation Study.

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<th>Root Lodging %</th>
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<th>CP %</th>
<th>ADF %</th>
<th>NDF %</th>
<th>IVD %</th>
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**Probability (%)**
- Genotype: 0.5 2.0 - - 5.5 0.2 0.4 1.0 1.2 0.1 0.7 1.1

**LSD (0.10)**
- Genotype: 0.5 2.4 - - 0.3 1.5 2.6 1.0 1.1 3.3 78 1957

**CV (%)**
- 5 3 - - 3 5 4 1 1 6 2 6
FIELD EXPERIMENT HISTORY

Title: AgReliant Hybrid Corn Silage Trial
Experiment: Private Silage Evaluation  Trial ID: 2842  Year: 2006
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Valders, WI  County: Manitowoc
Supported By: AgReliant Genetics, LLC

Site Information
Field:  
Previous Crop: Corn  Soil Type: Kewaunee Clay Loam
Soil Test:  
Date: 11/01/06  pH 6.9  OM (%) 2.6  P (ppm) 51  K (ppm) 90

Plot Management
Tillage Operations:  
Chisel Plow  Field Cultivator  Cultivate
Preplant  Analysis  Rate  Date
N/A  N/A  N/A
Starter  9-23-30  150  5/5/06
Post plant  34-0-0  150  6/21/06
Manure:  Dairy  12000 gal/A  Fall
Herbicide:  
Dual II Magnum 0.75 pt/a
Accent Gold WDG 2.5 oz/A
Callisto 1.5 oz/A
Atrazine 0.25 lb/A
Insecticide:  Force 3G 4.4 lb/A
Irrigation:  None
Planting Date: 05/05/06  Planting Depth: 1.5"  Row Width 30"
Target Plant Density: 32000 plants per acre  Planting Method: Kinze Plot Planter
Harvest Date: 09/21/06  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: 0.5
Harvest Plot Size: 22' x 2.5'  Harvest Plant Density: 29034 plants per acre
Factors/Treatments:
Hybrid
S503  S603
S601  S604
S602  S605

Results: Table C-24.
### Table C-24. AgReliant Hybrid Corn Silage Evaluation Study.
Valders, WI 2006.

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**Probability (%)**

| Genotype | 0.4 | 0.1 | - | - | 3.0 | 3.5 | 6.2 | 3.4 | 33.7 | 2.0 | 3.4 | 0.4 |

**LSD (0.10)**

| Genotype | 0.5 | 2.6 | - | - | 0.4 | 1.9 | 3.4 | 1.2 | 2.7 | 3.6 | 94  | 1984 |

**CV (%)**

| 4 | 3 | - | - | 5 | 6 | 5 | 1 | 3 | 7 | 2 | 5 |