

FIELD EXPERIMENT HISTORY

Title: DynaGro Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID** 3264 **Year:** 2009
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Fond du Lac, WI **County:** Fond du Lac
Supported By: Crop Production Services

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam
Soil Test: **Date:** 10/25/09 **pH** 6.5 **OM (%)** 3.4 **P (ppm)** 29 **K (ppm)** 97

Plot Management

Tillage Operations: Fall Chisel Field Cultivator Cultivate
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	28-0-0	120	N/A
Starter	10-34-0	3.0 gal/A	5 /20/09
Post plant	N/A	N/A	N/A
Manure:		N/A	N/A

Herbicide: Lumax 6.6 pt/A **Insecticide:**
Irrigation: None

Planting Date: 5/20/09 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Kinze Plot Planter
Harvest Date: 9/30/09 **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:** 0.24 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 33256 plants per acre

Hybrids:

DynaGro 54T42	DynaGro CX09008
DynaGro 55V48	DynaGro V3863VT3
DynaGro 56K60	DynaGro V4592VTNS
DynaGro 56R29	DynaGro V4884HXTRNS
DynaGro CX09007(HXTRR)	

Results: Table C-15.

**Table C-15. DynaGro Hybrid Corn Silage Evaluation Study.
Fond du Lac, WI - 2009.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
DynaGro 54T42	8.8	63.7	4.5	20.9	39.9	79.5	48.7	34.7	3113	27526
DynaGro 55V48	8.0	62.6	5.0	21.6	41.5	79.0	49.3	31.8	3032	24179
DynaGro 56K60	8.1	67.2	4.3	23.6	44.5	77.2	48.7	29.1	2890	23401
DynaGro 56R29	8.6	65.9	4.3	23.2	44.1	77.4	48.9	28.8	2851	24543
DynaGro CX09007(HXTRR)	7.9	68.2	3.7	25.1	46.7	75.5	47.6	25.8	2643	21170
DynaGro CX09008	8.4	68.4	3.8	25.5	47.4	73.6	44.4	24.6	2496	21045
DynaGro V3863VT3	7.3	63.8	4.9	24.4	45.5	77.6	50.7	28.7	2963	21779
DynaGro V4592VTNS	8.8	65.7	4.8	24.6	46.1	78.0	52.2	26.1	2832	24977
DynaGro V4884HXTRNS	8.0	66.8	4.1	24.3	44.7	77.4	49.4	26.4	2674	21535
Mean	8.2	65.8	4.4	23.7	44.5	77.2	48.9	28.4	2833	23351
Probability (%)										
Hybrid	32.1	0.0	13.6	4.3	3.2	2.5	5.9	2.3	2.8	37.0
LSD (0.10)										
Hybrid	NS	1.7	NS	2.4	3.5	2.5	3.4	4.5	284	NS

FIELD EXPERIMENT HISTORY

Title: DynaGro Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID** 3265 **Year:** 2009
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Galesville, WI **County:** Trempealeau
Supported By: Crop Production Services

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam
Soil Test: **Date:** 10/25/09 **pH** 5.9 **OM (%)** 3.5 **P (ppm)** 52 **K (ppm)** 215

Plot Management

Tillage Operations: Fall Zone

Fertilizer:	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	28-0-0	35	N/A
Starter	10-34-0	3.0 gal/A	5 /5 /09
Post plant	N/A	N/A	N/A
Manure:		N/A	N/A

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

Insecticide:

Irrigation: None

Planting Date: 5/5/09 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Kinze Plot Planter

Harvest Date: 9/16/09 **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: 0.24 A
Harvest Plot Size: 23' x 2.5'	Harvest Plant Density: 32859 plants per acre

Hybrids:

DynaGro 54T42	DynaGro CX09008
DynaGro 55V48	DynaGro V3863VT3
DynaGro 56K60	DynaGro V4592VTNS
DynaGro 56R29	DynaGro V4884HXTRNS
DynaGro CX09007(HXTRR)	

Results: Table C-16.

**Table C-16. DynaGro Hybrid Corn Silage Evaluation Study.
Galesville, WI - 2009.**

Hybrid	Dry Matter							Milk Per		
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
DynaGro 54T42	11.1	72.1	6.7	25.6	47.0	76.4	49.8	29.2	2886	32163
DynaGro 55V48	11.0	69.3	6.7	25.0	47.1	77.5	52.2	26.9	2944	32523
DynaGro 56K60	10.8	73.1	6.6	28.3	51.1	74.0	49.2	23.5	2710	29474
DynaGro 56R29	10.8	73.8	7.2	27.1	49.7	76.2	52.1	25.1	2841	30943
DynaGro CX09007(HXTRR)	11.0	73.0	7.2	27.8	50.3	73.5	47.6	23.9	2692	29752
DynaGro CX09008	11.9	73.0	7.3	26.5	48.1	74.2	46.5	25.7	2753	32837
DynaGro V3863VT3	10.0	68.6	7.0	27.0	49.3	75.4	50.0	26.6	2802	28069
DynaGro V4592VTNS	10.6	71.0	8.0	24.0	45.9	78.1	52.4	28.2	2988	31934
DynaGro V4884HXTRNS	10.3	74.0	7.8	27.2	49.5	75.2	49.9	24.6	2787	28846
Mean	10.9	72.0	7.2	26.5	48.7	75.6	50.0	25.9	2823	30727
Probability (%)										
Hybrid	18.8	0.3	0.5	32.3	42.9	17.6	2.9	34.1	23.7	62.9
LSD (0.10)										
Hybrid	NS	2.2	0.6	NS	NS	NS	3.0	NS	NS	NS

FIELD EXPERIMENT HISTORY

Title: DynaGro Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID** 3266 **Year:** 2009
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Chippewa Falls, WI **County:** Chippewa
Supported By: Crop Production Services

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Sattre Silt Loam
Soil Test: **Date:** 10/25/09 **pH** 6.4 **OM (%)** 1.7 **P (ppm)** 37 **K (ppm)** 108

Plot Management

Tillage Operations: Field Cultivator Cultivate
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	28-0-0	120	N/A
Starter	10-34-0	3.0 gal/A	4 /29/09
Post plant	N/A	N/A	N/A
Manure:		N/A	N/A

Herbicide: Harness 1.6 pt/A
 Hornet 3.0 oz/A **Insecticide:**

Irrigation: None

Planting Date: 4/29/09 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Kinze Plot Planter
Harvest Date: 9/17/09 **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:** 0.21 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 32385 plants per acre

Hybrids:

DynaGro 51V57	DynaGro NDEXP94RRCBCW
DynaGro 52V01	DynaGro V3593VT3
DynaGro 53V80	
DynaGro CX09494 (VT3)	

Results: Table C-17.

**Table C-17. DynaGro Hybrid Corn Silage Evaluation Study.
Chippewa Falls, WI - 2009.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
DynaGro 51V57	8.0	62.0	6.4	21.4	41.6	78.7	48.9	31.1	3096	24838
DynaGro 52V01	8.3	60.6	5.6	22.7	44.2	79.0	52.4	30.0	3067	25575
DynaGro 53V80	8.0	65.2	6.3	21.9	43.2	80.7	55.4	30.0	3155	25356
DynaGro CX09494 (VT3)	8.3	64.4	6.2	22.5	44.8	79.4	54.0	27.1	3031	25125
DynaGro NDEXP94RRCBCW	8.1	66.5	6.7	23.5	45.7	79.1	54.3	23.8	2868	23075
DynaGro V3593VT3	8.0	66.2	5.7	24.9	46.6	77.8	52.4	27.2	2998	24072
Mean	8.1	64.1	6.2	22.8	44.4	79.1	52.9	28.2	3036	24674
Probability (%)										
Hybrid	96.8	5.9	1.0	7.3	9.9	27.9	4.8	3.9	3.4	72.8
LSD (0.10)										
Hybrid	NS	3.4	0.4	1.9	2.9	NS	3.2	3.6	129	NS

FIELD EXPERIMENT HISTORY

Title: DynaGro Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID** 3267 **Year:** 2009
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Marshfield, WI **County:** Wood
Supported By: Crop Production Services

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Loyal Silt Loam
Soil Test: **Date:** 10/25/09 **pH** 6.7 **OM (%)** 3.4 **P (ppm)** 78 **K (ppm)** 196

Plot Management

Tillage Operations: Fall Chisel Field Cultivator Cultivate
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	28-0-0	90	N/A
Starter	10-34-0	3.0 gal/A	5 /7 /09
Post plant	N/A	N/A	N/A
Manure:		N/A	N/A

Herbicide: Gmax Lite 2.33 pt/A
 Hornet 2.4 oz/A **Insecticide:**

Irrigation: None

Planting Date: 5/7/09 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 32000 plants per acre **Planting Method:** Kinze Plot Planter
Harvest Date: 9/29/09 **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:** 0.21 A
Harvest Plot Size: 23' x 2.5' **Harvest Plant Density:** 32499 plants per acre

Hybrids:

DynaGro 51V57	DynaGro NDEXP94RRCBCW
DynaGro 52V01	DynaGro V3593VT3
DynaGro 53V80	
DynaGro CX09494 (VT3)	

Results: Table C-18.

**Table C-18. DynaGro Hybrid Corn Silage Evaluation Study.
Marshfield, WI - 2009.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
DynaGro 51V57	7.7	67.4	6.5	23.3	45.0	78.6	52.6	28.1	3084	23755
DynaGro 52V01	7.7	66.5	6.6	22.5	44.0	79.5	53.4	29.5	3142	24141
DynaGro 53V80	7.8	67.3	6.3	22.2	43.3	80.9	55.9	29.6	3226	25046
DynaGro CX09494 (VT3)	8.5	72.5	6.9	25.7	48.6	78.5	55.9	23.1	2996	25456
DynaGro NDEXP94RRCBCW	9.4	70.0	6.7	23.7	45.5	79.6	55.1	25.1	3013	28331
DynaGro V3593VT3	8.0	70.1	5.9	24.8	46.7	79.7	56.6	25.8	3096	24900
Mean	8.2	69.0	6.5	23.7	45.5	79.5	54.9	26.9	3093	25272
Probability (%)										
Hybrid	42.0	0.2	5.3	13.5	19.1	54.5	29.2	6.2	18.1	72.7
LSD (0.10)										
Hybrid	NS	2.1	0.5	NS	NS	NS	NS	3.8	NS	NS

FIELD EXPERIMENT HISTORY

Title: DynaGro Hybrid Corn Silage Trial
Experiment: 01PrivateSilage **Trial ID** 3268 **Year:** 2009
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Valders, WI **County:** Manitowoc
Supported By: Crop Production Services

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Kewaunee Clay Loam
Soil Test: **Date:** 10/25/09 **pH** 7.9 **OM (%)** 2.8 **P (ppm)** 52 **K (ppm)** 121

Plot Management

Tillage Operations: Fall Chisel Field Cultivator Cultivate

Fertilizer:		<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
	Preplant	46-0-0	63	N/A
	Starter	10-34-0	3.0 gal/A	5 /18/09
	Post plant	46-0-0	50	6 /24/09
	Manure:	Dairy	12000 gallons	N/A

Herbicide: Callisto 2.0 oz/A
 Atrazine 0.5 lb/A
 Steadfast 0.5 oz/A
 SureStart 1.2 pt/A

Insecticide:

Irrigation: None

Planting Date: 5/18/09 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Kinze Plot Planter

Harvest Date: 9/22/09 **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: 0.21 A
Harvest Plot Size: 23' x 2.5'	Harvest Plant Density: 31565 plants per acre

Hybrids:

DynaGro 51V57	DynaGro NDEXP94RRCBCW
DynaGro 52V01	DynaGro V3593VT3
DynaGro 53V80	
DynaGro CX09494 (VT3)	

Results: Table C-19.

**Table C-19. DynaGro Hybrid Corn Silage Evaluation Study.
Valders, WI - 2009.**

Hybrid	Dry Matter								Milk Per	
	Yield	Moisture	CP	ADF	NDF	IVD	NDFD	Starch	Ton	Acre
	T/A	%	%	%	%	%	%	%	lbs/T	lbs/A
DynaGro 51V57	7.2	64.6	7.3	22.0	43.2	80.4	54.5	29.3	3179	22712
DynaGro 52V01	7.9	64.0	7.1	24.2	46.8	78.8	54.7	25.8	3054	24168
DynaGro 53V80	6.8	67.1	6.6	23.5	45.1	78.9	53.2	27.9	3080	20909
DynaGro CX09494 (VT3)	6.7	69.2	7.6	26.3	50.7	76.6	53.7	21.3	2861	19276
DynaGro NDEXP94RRCBCW	8.1	69.7	7.6	25.1	47.2	76.8	50.7	24.7	2938	23933
DynaGro V3593VT3	8.0	66.7	6.3	24.5	46.4	79.0	54.7	27.7	3073	24616
Mean	7.5	66.9	7.1	24.3	46.6	78.4	53.6	26.1	3031	22602
<u>Probability (%)</u>										
Hybrid	13.3	33.7	0.3	17.0	6.9	4.5	22.3	5.2	2.7	9.8
<u>LSD (0.10)</u>										
Hybrid	NS	NS	0.5	NS	4.0	2.2	NS	4.3	154	3381