FIELD EXPERIMENT HISTORY

Title: **IFSI Hybrid Corn Silage Trial**

Experiment: 01PrivateSilage **Trial ID** 2271 **Year:** 2002

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

Location: Arlington, WI **County:** Columbia

Supported By: Illinois Foundation Seed, Inc

Site Information

Field: 406 **Previous Crop:** Soybean **Soil Type:** Plano

Soil Test: **Date:** 11/01/02 **pH** 6.2 **OM (%)** 3.3 **P (ppm)** 79 **K (ppm)** 247

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Soil Finisher Rotary Hoe Cultivated

Fertilizer:

	Analysis	Rate	Date
Preplant	46-0-0	325	4 /18/02
Starter	6-24-24	150	4 /25/02
Post plant	N/A	N/A	N/A
Manure:	None	N/A	N/A

Herbicide: Harness 2.5 pt/A
Hornet 3.0 oz/A

Insecticide: None

Irrigation: None

Planting Date: 4/25/02 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/21/02 **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:** 0.09 A

Harvest Plot Size: 22' x 2.5' **Harvest Plant Density:** 23998 **plants per acre**

Hybrid

Results: Table C-14.

Table C-14. IFSI Hybrid Corn Silage Evaluation Study.
Arlington, WI 2002.

Genotype	Dry Matter Yield	Moisture	Kernel Milk	CP	ADF	NDF	IVD	NDFD	Starch	Milk Per Ton	Milk Per Acre
	T/A	%	%	%	%	%	%	%	%	lbs/T	lbs/A
2002-01	8.3	50.9	20	7.5	26	51	82	66	30	3356	27772
2002-02	7.7	60.3	48	7.8	24	46	84	66	33	3616	27693
2002-03	8.2	60.8	48	7.7	22	43	86	67	36	3751	30790
2002-04	7.0	57.6	23	7.2	25	49	83	66	35	3498	24265
2002-05	9.1	61.6	45	7.2	25	49	83	66	32	3596	32764
2002-06	6.3	64.3	37	7.7	26	50	83	67	31	3637	22960
2002-07	9.9	60.6	28	7.3	26	50	82	64	31	3449	34054
2002-08	9.6	62.6	50	7.8	21	42	86	67	37	3833	36925
2002-09	7.1	64.6	45	7.7	29	54	80	64	23	3409	24156
2002-10	8.0	68.2	63	8.3	28	53	82	66	24	3563	28404
Mean	8.1	61.2	41	7.6	25	49	83	66	31	3571	28978
Probability (%)											
Genotype	2.3	0.2	0.0	0.7	1.0	1.1	3.9	16.2	2.7	0.2	1.5
LSD (0.10)											
Genotype	1.2	4.5	8.2	0.4	3.1	4.9	2.6	NS	6.6	161	5084
CV (%)	10	5	14	4	9	7	2	3	15	3	12

FIELD EXPERIMENT HISTORY

Title: **IFSI Hybrid Corn Silage Trial**

Experiment: 01PrivateSilage **Trial ID** 2272 **Year:** 2002

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

Location: Lancaster, WI **County:** Grant

Supported By: Illinois Foundation Seed, Inc

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Fayette

Soil Test: **Date:** 11/01/02 **pH** 7.3 **OM (%)** 2.1 **P (ppm)** 57 **K (ppm)** 157

Plot Management

Tillage Operations: Soil Finisher Cultivated

Fertilizer:

	Analysis	Rate	Date
Preplant	46-0-0	300	N/A
Starter	6-24-24	150	4 /26/02
Post plant	N/A	N/A	N/A
Manure:	None	N/A	N/A

Herbicide: Aatrex 4L 1.0 qt/A
Harness 1.0 qt/A
Accent 0.33 oz/A
Northstar 4.0 oz/A

Insecticide: None

Irrigation: None

Planting Date: 4/26/02 **Planting Depth:** 1.5" **Row Width:** 30"

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

Harvest Date: 9/16/02 **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:** 0.09 A

Harvest Plot Size: 22' x 2.5' **Harvest Plant Density:** 26770 **plants per acre**

Hybrid

Results: Table C-15.

Table C-15. IFSI Hybrid Corn Silage Evaluation Study.
Lancaster, WI 2002.

Genotype	Dry Matter Yield	Moisture	Kernel Milk	CP	ADF	NDF	IVD	NDFD	Starch	Milk Per Ton	Milk Per Acre
	T/A	%	%	%	%	%	%	%	%	lbs/T	lbs/A
2002-01	7.1	45.0	20	8.0	25	49	83	66	33	3396	23988
2002-02	8.7	57.4	28	7.6	23	45	83	63	36	3484	30454
2002-03	8.5	61.3	27	7.2	23	46	84	65	35	3631	30931
2002-04	8.7	48.7	12	7.1	21	43	85	66	40	3504	30394
2002-05	9.1	61.0	40	7.4	22	45	85	66	37	3706	33734
2002-06	7.2	61.3	27	7.7	24	46	84	65	35	3654	26242
2002-07	10.4	58.1	25	7.0	25	48	82	62	33	3413	35334
2002-08	9.4	65.0	42	6.9	24	47	84	66	33	3679	34728
2002-09	9.8	62.4	42	7.2	25	47	83	63	33	3568	34796
2002-10	8.6	68.0	57	8.3	28	54	80	63	25	3413	29299
Mean	8.7	58.8	32	7.4	24	47	83	64	34	3545	30990
Probability (%)											
Genotype	0.1	0.0	0.0	0.1	1.6	1.3	4.1	6.4	0.2	7.4	0.2
LSD (0.10)											
Genotype	1.1	5.8	12.1	0.5	2.7	3.9	2.2	2.5	4.3	196	4199
CV (%)	9	7	27	4	8	6	2	3	9	4	10