

FIELD EXPERIMENT HISTORY

Title: Harvest Timing
Experiment: 15Harvest **Trial ID** 2357 **Year:** 2001
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Arlington, WI **County:** Columbia
Supported By: Hatch

Site Information

Field: 372 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 11/1 /01 **pH** 6.6 **OM (%)** 2.4 **P (ppm)** 46 **K (ppm)** 185

Plot Management

Tillage Operations: Chisel Plow Soil Finisher Cultivated

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Fertilizer:			
Preplant :	46-0-0	325	N/A
Starter :	6-24-24	150	5 /9 /01
Post plant :	N/A	N/A	N/A
Manure:	N/A	None	

Herbicide: Harness 2.5 pt/A
Permitt 0.66 oz/A **Insecticide:** None
Hybrid: See Factors

Irrigation: None

Planting Date: 5/9/01 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: 30000 plants per acre **Planting Method:** Kinze Plot Planter
Harvest Date: See Factors **Harvest Method:** Hand Harvest

Experimental Design

Design: RCB **Replications:** 3
Plot Size Seeded: 25' x 5' **Experiment Size:** 0.12 A
Harvest Plot Size: 22' x 2.5'

Factors/Treatments:

Harvest Dates:

October 18
November 27
December 21
January 23
February 22
March 22
April 19

Hybrids:

Pioneer 34G82
Pioneer 37M34

Results: Table C-48.

**Table C-48. Harvest Timing Effects on Grain Yield
Arlington, WI - 2001**

Harvest Date	Hybrid	Grain yield bu/A	Grain moisture %	Lodging %	Harvested plant population plants/A	Ear weight g/ear	Grower return \$/A
	Pioneer 34G82	212	16.9	15	28927	226	454
	Pioneer 37M34	194	14.6	24	29417	212	419
October		220	25.4	8	29700	219	448
November		208	17.2	12	29172	222	448
December		208	16.9	16	28908	216	446
January		201	15.2	23	29700	212	438
February		181	14.9	20	28908	215	395
March		205	12.8	26	28644	222	448
April		199	7.9	34	29172	227	434
October	Pioneer 34G82	233	27.9	8	29832	233	465
October	Pioneer 37M34	207	22.8	7	29568	206	430
November	Pioneer 34G82	202	17.9	11	28776	223	434
November	Pioneer 37M34	213	16.6	14	29568	221	462
December	Pioneer 34G82	208	20.6	11	28776	217	438
December	Pioneer 37M34	209	13.1	21	29040	215	454
January	Pioneer 34G82	219	15.7	17	29568	226	476
January	Pioneer 37M34	183	14.7	28	29832	198	399
February	Pioneer 34G82	204	15.3	14	29568	218	444
February	Pioneer 37M34	158	14.5	26	28248	211	346
March	Pioneer 34G82	203	12.9	17	27984	228	443
March	Pioneer 37M34	207	12.7	35	29304	216	452
April	Pioneer 34G82	219	7.7	30	27984	239	477
April	Pioneer 37M34	179	8.1	38	30360	215	390
Mean		203	15.7	20	29172	219	437

Probability(%)

Harvest Date (D)	1.4	0.0	0.0	4.0	36.5	9.2
Hybrid (H)	0.2	1.7	0.5	32.3	0.1	0.7
D x H	3.3	17.1	56.4	54.6	21.6	3.3

LSD(0.10)

Harvest Date (D)	14	1.1	5	567	NS	31
Hybrid (H)	9	1.5	5	NS	6	20
D x H	23	NS	NS	NS	NS	52

CV(%)

	8	17	44	5	5	8
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