

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5768 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** HATCH

### Site Information

**Field:** ARS407 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date:** 11/01/13 **pH:** 6.7 **OM (%)** 3.8 **P (ppm)** 68 **K (ppm)** 244

### Plot Management

**Tillage Operations:** Disk

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	46-0-0	150 lbs/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	5 /1 /13
<b>Post plant :</b>	28-0-0	50 lbs/A	6 /19/13
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Dual II Mag 28 oz/A **Insecticide:** Force 3G 4.4 lbs/A  
 Hornet 4.0 oz/A **Hybrid:** See Factors

**Irrigation:** None

**Planting Date:** 5/1/13 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 10/18/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 32601 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Dairyland DS9501RA
- 2) Dairyland DS9501RA (Base)
- 3) Dairyland DS9501RA (Refuge)
- 4) DuPont Pioneer P0453AM
- 5) DuPont Pioneer P0453AM (Base)
- 6) DuPont Pioneer P0453AM (Refuge)

**Results:Table: Table 1301-06**

**Table: 1301- 06. Performance of Hybrid Seed Mixtures - Corn  
Arlington, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
DS9501RA	277	19.9	54.3	0.0	0.0	0.0	1033
DS9501RA (Base)	276	19.3	54.4	0.4	0.4	0.0	1032
DS9501RA (Refuge)	258	19.9	58.5	0.0	0.0	0.0	962
P0453AM	294	21.5	53.9	0.0	0.0	0.0	1084
P0453AM (Base)	294	21.1	54.0	0.0	0.0	0.0	1087
P0453AM (Refuge)	277	22.5	56.5	0.4	0.0	0.4	1017
Mean	280	20.7	55.3	0.1	0.1	0.1	1036
<b><u>Probability(%)</u></b>							
Hybrid(H)	0.4	0.0	0.0	57.4	46.5	46.5	0.7
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	13	0.6	0.5	NS	NS	NS	47

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5769 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Chippewa Falls, WI **County:** Chippewa  
**Supported By:** HATCH

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Sattre Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 5.7 **OM (%)** 2.9 **P (ppm)** 61 **K (ppm)** 105

### Plot Management

**Tillage Operations:** Field Cultivator

		<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b>	<b>Preplant :</b>	N/A	N/A	N/A
	<b>Starter :</b>	10-34-0	3.0 gal/A	5 /7 /13
	<b>Post plant :</b>	28-0-0	130 lbs/A	N/A
		46-0-0	93 lbs/A	N/A
	<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Outlook 15 oz/A  
Hornet 3.0 oz/A

**Insecticide:** None  
**Hybrid:** See Factors

**Irrigation:** None

**Planting Date:** 5/7/13 **Planting Depth:** 1.5" **Row Width:** 30"

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

**Harvest Date:** 10/24/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB

**Replications:** 3

**Plot Size Seeded:** 10' x 25'

**Experiment Size:** 0.15 A

**Harvest Plot Size:** 5' x 23'

**Harvest Plant Density:** 29952 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Channel 193-34VT3PRIB
- 2) Channel 193-34VT3PRIB (Base)
- 3) Channel 193-34VT3PRIB (Refuge)
- 4) Dairyland DS9501RA
- 5) Dairyland DS9501RA (Base)
- 6) Dairyland DS9501RA (Refuge)

**Results:Table: Table 1301-07**

**Table: 1301- 07. Performance of Hybrid Seed Mixtures - Corn  
Chippewa, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
193-34VT2PRIB	61	25.7	50.5	0.0	0.0	0.0	219
193-34VT2PRIB (Base)	68	27.1	50.2	0.4	0.0	0.4	242
193-34VT2PRIB (Refuge)	64	25.8	51.1	4.3	4.3	0.0	232
DS9501RA	28	27.3	48.9	0.4	0.4	0.0	99
DS9501RA (Base)	23	26.8	49.1	0.0	0.0	0.0	81
DS9501RA (Refuge)	81	28.4	49.1	0.9	0.9	0.0	288
Mean	54	26.8	49.8	1.0	0.9	0.1	194
<b><u>Probability(%)</u></b>							
Hybrid(H)	4.6	11.5	22.6	3.0	2.2	46.5	4.4
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	32	NS	NS	2.1	2.0	NS	115

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5770 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Fond du Lac, WI **County:** Fond du Lac  
**Supported By:** HATCH

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### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 7.0 **OM (%)** 3.4 **P (ppm)** 23 **K (ppm)** 88

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### Plot Management

**Tillage Operations:** Chisel Plow Field Cultivator

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	46-0-0	150 lbs/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	5 /20/13
<b>Post plant :</b>	46-0-0	88 lbs/A	7 /3 /13
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Lumax 3.0 qts/A **Insecticide:** None  
**Hybrid:** See Factors

**Irrigation:** None

**Planting Date:** 5/20/13 **Planting Depth:** 1.5" **Row Width:** 30"

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

**Harvest Date:** 10/23/13 **Harvest Method:** Massey 8XP

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 32769 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Dairyland DS9501RA
  - 2) Dairyland DS9501RA (Base)
  - 3) Dairyland DS9501RA (Refuge)
  - 4) DuPont Pioneer P0453AM
  - 5) DuPont Pioneer P0453AM (Base)
  - 6) DuPont Pioneer P0453AM (Refuge)
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**Results:Table: Table 1301-08**

**Table: 1301- 08. Performance of Hybrid Seed Mixtures - Corn  
Fond Du Lac, WI - 2013**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
DS9501RA	221	21.3	53.0	0.0	0.0	0.0	817
DS9501RA (Base)	208	21.4	52.4	0.0	0.0	0.0	770
DS9501RA (Refuge)	225	23.7	54.2	0.4	0.4	0.0	819
P0453AM	254	28.5	52.0	0.0	0.0	0.0	901
P0453AM (Base)	253	26.8	52.1	0.4	0.0	0.4	905
P0453AM (Refuge)	244	26.8	54.2	0.0	0.0	0.0	875
Mean	234	24.7	53.0	0.1	0.1	0.1	848
<b><u>Probability(%)</u></b>							
Hybrid(H)	1	0.0	2.0	46.5	46.5	46.5	5
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	20	1.6	1.2	NS	NS	NS	76

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5771 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Galesville, WI **County:** Trempeleau  
**Supported By:** HATCH

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### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Downs Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 6.4 **OM (%)** 3.7 **P (ppm)** 41 **K (ppm)** 173

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### Plot Management

**Tillage Operations:** Chisel Plow Field Cultivator  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	46-0-0	150 lbs/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	5 /8 /13
<b>Post plant :</b>	N/A	N/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Harness 3.0 oz/A **Insecticide:** None  
 Callisto 3.0 oz/A **Hybrid:** See Factors  
**Irrigation:** None

**Planting Date:** 5/8/13 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 10/14/13 **Harvest Method:** Massey 8XP

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 31715 plants per acre  
**Factors/Treatments:**

#### Hybrid

- 1) Dairyland DS9501RA
  - 2) Dairyland DS9501RA (Base)
  - 3) Dairyland DS9501RA (Refuge)
  - 4) DuPont Pioneer P0453AM
  - 5) DuPont Pioneer P0453AM (Base)
  - 6) DuPont Pioneer P0453AM (Refuge)
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**Results:Table: Table 1301-09**

**Table: 1301- 09. Performance of Hybrid Seed Mixtures - Corn  
Galesville, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
DS9501RA	209	21.9	52.8	0.0	0.0	0.0	771
DS9501RA (Base)	224	21.3	53.1	0.0	0.0	0.0	827
DS9501RA (Refuge)	187	19.7	57.7	0.0	0.0	0.0	698
P0453AM	250	24.6	53.0	0.8	0.4	0.4	908
P0453AM (Base)	256	25.0	53.3	0.0	0.0	0.0	928
P0453AM (Refuge)	240	23.7	56.6	0.0	0.0	0.0	874
Mean	228	22.7	54.4	0.1	0.1	0.1	834
<b><u>Probability(%)</u></b>							
Hybrid(H)	0	0.0	0.0	3.0	46.5	46.5	0
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	20	1.0	0.8	0.4	NS	NS	73



## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5772 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Hancock, WI **County:** Waushara  
**Supported By:** HATCH

### Site Information

**Field:** **Previous Crop:** Corn **Soil Type:** Plainfield Sand  
**Soil Test:** **Date:** 10/01/13 **pH:** 6.6 **OM (%)** 0.8 **P (ppm)** 76 **K (ppm)** 47

### Plot Management

**Tillage Operations:** Disk Soil

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	4 /30/13
<b>Post plant :</b>	21-0-0-24S	150 lbs/A	N/A
	46-0-0	161 lbs/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Prowl 2.0 pt/A **Insecticide:** None  
 Laudis 3.0 oz/A **Hybrid:** See Factors

**Irrigation:** yes

**Planting Date:** 4/30/13 **Planting Depth:** 1.5" **Row Width:** 30"

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

**Harvest Date:** 10/17/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 31949 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Dairyland DS9501RA
- 2) Dairyland DS9501RA (Base)
- 3) Dairyland DS9501RA (Refuge)
- 4) DuPont Pioneer P0453AM
- 5) DuPont Pioneer P0453AM (Base)
- 6) DuPont Pioneer P0453AM (Refuge)

**Results:Table: Table 1301-10**

**Table: 1301- 10. Performance of Hybrid Seed Mixtures - Corn  
Hancock, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
DS9501RA	236	22.1	52.1	0.4	0.4	0.0	867
DS9501RA (Base)	243	22.3	52.2	0.0	0.0	0.0	891
DS9501RA (Refuge)	223	23.2	55.0	0.0	0.0	0.0	815
P0453AM	251	23.3	52.7	0.0	0.0	0.0	916
P0453AM (Base)	246	22.9	52.3	0.4	0.0	0.4	899
P0453AM (Refuge)	232	22.2	54.2	0.0	0.0	0.0	853
Mean	238	22.7	53.1	0.1	0.1	0.1	874
<b><u>Probability(%)</u></b>							
Hybrid(H)	31	93.4	18.9	46.5	46.5	46.5	22
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	NS	NS	NS	NS	NS	NS	NS

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5773 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Janesville, WI **County:** Rock  
**Supported By:** HATCH

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### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 6.9 **OM (%)** 3.5 **P (ppm)** 48 **K (ppm)** 154

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### Plot Management

**Tillage Operations:** Chisel Field Cultivator

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	10-34-13	3.0 gal/A	5 /1 /13
<b>Post plant :</b>	28-0-0	150 lbs/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Lumax 3.0 qt/A **Insecticide:** None  
 Status 7.0 oz/A **Hybrid:** See Factors

**Irrigation:** None

**Planting Date:** 5/1/13 **Planting Depth:** 1.5" **Row Width:** 30"

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

**Harvest Date:** 10/21/13 **Harvest Method:** Massey 8XP

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 32085 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Dairyland DS9501RA
  - 2) Dairyland DS9501RA (Base)
  - 3) Dairyland DS9501RA (Refuge)
  - 4) DuPont Pioneer P0453AM
  - 5) DuPont Pioneer P0453AM (Base)
  - 6) DuPont Pioneer P0453AM (Refuge)
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**Results:Table: Table 1301-11**

**Table: 1301- 11. Performance of Hybrid Seed Mixtures - Corn  
Janesville, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
DS9501RA	256	17.1	57.4	3.5	0.4	3.1	968
DS9501RA (Base)	258	17.6	56.9	0.4	0.4	0.0	973
DS9501RA (Refuge)	217	16.8	60.4	6.3	2.4	3.9	821
P0453AM	274	18.0	56.7	7.8	0.0	7.8	1030
P0453AM (Base)	285	18.1	56.6	2.4	0.0	2.4	1070
P0453AM (Refuge)	241	19.0	60.5	1.2	0.4	0.8	900
Mean	255	17.7	58.1	3.6	0.6	3.0	960
<b><u>Probability(%)</u></b>							
Hybrid(H)	0	0.3	0.0	45.4	1.4	52.9	0
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	18	0.7	1.1	NS	1.0	NS	68

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5774 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Lancaster, WI **County:** Grant  
**Supported By:** HATCH

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### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Fayette Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 6.8 **OM (%)** 2.1 **P (ppm)** 22 **K (ppm)** 94

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### Plot Management

**Tillage Operations:** Chisel Plow Turbo-Till Cultivated 6/20/13  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	46-0-0	125 lbs/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	5 /14/13
<b>Post plant :</b>	N/A	N/A	N/A
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Lumax 3.0 qt/A **Insecticide:** Force 4.4 lbs/A  
**Hybrid:** See Factors  
**Irrigation:** None

**Planting Date:** 5/14/13 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 10/16/13 **Harvest Method:** Massey 8XP

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### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 32310 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Dairyland DS9501RA
  - 2) Dairyland DS9501RA (Base)
  - 3) Dairyland DS9501RA (Refuge)
  - 4) DuPont Pioneer P0453AM
  - 5) DuPont Pioneer P0453AM (Base)
  - 6) DuPont Pioneer P0453AM (Refuge)
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**Results:Table: Table 1301-12**

**Table: 1301- 12. Performance of Hybrid Seed Mixtures - Corn  
Lancaster, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
DS9501RA	226	18.7	54.8	0.4	0.4	0.0	845
DS9501RA (Base)	234	19.3	55.3	0.0	0.0	0.0	874
DS9501RA (Refuge)	212	18.4	59.0	1.6	1.6	0.0	797
P0453AM	246	19.4	55.2	0.4	0.0	0.4	918
P0453AM (Base)	253	19.8	54.4	1.2	1.2	0.0	943
P0453AM (Refuge)	233	20.6	57.9	0.4	0.4	0.0	865
Mean	234	19.4	56.1	0.7	0.6	0.1	874
<b><u>Probability(%)</u></b>							
Hybrid(H)	0	0.0	0.0	62.6	56.3	46.5	0
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	12	0.4	0.6	NS	NS	NS	43

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5775 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Seymour, WI **County:** Outagamie  
**Supported By:** HATCH

### Site Information

**Field:** **Previous Crop:** Soybean **Soil Type:** Onaway Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 7.5 **OM (%)** 2.7 **P (ppm)** 41 **K (ppm)** 132

### Plot Management

**Tillage Operations:** Chisel Plow Field Cultivator Cultivated 6/26/13  

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b> <b>Preplant :</b>	46-0-0	150 lbs/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	5 /15/13
<b>Post plant :</b>	46-0-0	55 lbs/A	6 /26/13
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Harness Xtra 1.7 qt/A **Insecticide:**  
 Callisto 3.0 oz/A **Hybrid:** See Factors  
**Irrigation:** None

**Planting Date:** 5/15/13 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 11/12/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 32166 plants per acre  
**Factors/Treatments:**

#### Hybrid

- 1) Channel 193-34VT2PRIB
- 2) Channel 193-34VT2PRIB (Base)
- 3) Channel 193-34VT2PRIB (Refuge)
- 4) Dairyland DS9501RA
- 5) Dairyland DS9501RA (Base)
- 6) Dairyland DS9501RA (Refuge)

**Results:Table: Table 1301-13**

**Table: 1301- 13. Performance of Hybrid Seed Mixtures - Corn  
Seymour, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
193-34VT2PRIB	223	19.4	56.4	0.8	0.8	0.0	834
193-34VT2PRIB (Base)	212	19.5	55.4	0.4	0.4	0.0	792
193-34VT2PRIB (Refuge)	232	19.3	55.5	1.2	1.2	0.0	867
DS9501RA	249	22.0	52.8	0.0	0.0	0.0	915
DS9501RA (Base)	248	22.2	52.6	0.4	0.0	0.4	911
DS9501RA (Refuge)	236	22.7	54.2	0.0	0.0	0.0	867
Mean	234	20.9	54.5	0.5	0.4	0.1	865
<b><u>Probability(%)</u></b>							
Hybrid(H)	28	0.2	0.6	51.1	37.6	46.5	40
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	NS	1.4	1.6	NS	NS	NS	NS



## FIELD EXPERIMENT HISTORY

**Title:** Performance of Hybrid Seed Mixtures (Refuge in a bag)  
**Experiment:** 01Mix **Trial ID:** 5776 **Year:** 2013  
**Personnel:** J.G. Lauer, T.H. Diallo and K.D. Kohn  
**Location:** Valders, WI **County:** Manitowoc  
**Supported By:** HATCH

### Site Information

**Field:** **Previous Crop:** Wheat **Soil Type:** Silt Loam  
**Soil Test:** **Date:** 10/01/13 **pH:** 7.2 **OM (%)** 3.4 **P (ppm)** 31 **K (ppm)** 118

### Plot Management

**Tillage Operations:** Chisel Plow **Field Cultivator:** Cultivated **Date:** 6/26/13  
**Fertilizer:**

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	10-34-0	3.0 gal/A	5 /16/13
<b>Post plant :</b>	46-0-0	55 lbs/A	6 /26/13
<b>Manure:</b>	Dairy	10,000 gallon	N/A

**Herbicide:** Steadfast 1.0 oz/A **Insecticide:** Force 3G 4.4 lbs/A  
 Callisto 3.0 oz/A **Hybrid:** See Factors  
**Irrigation:** Atrazine 0.25 lb/A  
 None

**Planting Date:** 5/16/13 **Planting Depth:** 1.5" **Row Width:** 30"  
**Target Plant Density:** 32000 plants per acre **Planting Method:** Almaco Precision Planter  
**Harvest Date:** 10/22/13 **Harvest Method:** Massey 8XP

### Experimental Design

**Design:** RCB **Replications:** 3  
**Plot Size Seeded:** 10' x 25' **Experiment Size:** 0.15 A  
**Harvest Plot Size:** 5' x 23' **Harvest Plant Density:** 32967 plants per acre

#### **Factors/Treatments:**

##### Hybrid

- 1) Channel 193-34VT2PRIB
- 2) Channel 193-34VT2PRIB (Base)
- 3) Channel 193-34VT2PRIB (Refuge)
- 4) Dairyland DS9501RA
- 5) Dairyland DS9501RA (Base)
- 6) Dairyland DS9501RA (Refuge)

**Results:Table: Table 1301-14**

**Table: 1301- 14. Performance of Hybrid Seed Mixtures - Corn  
Valders, WI - 2013.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			Return \$4.04/bu \$/A
				Total %	Stalk %	Root %	
193-34VT2PRIB	247	26.4	52.0	0.4	0.0	0.4	888
193-34VT2PRIB (Base)	250	25.8	52.3	0.4	0.4	0.0	900
193-34VT2PRIB (Refuge)	261	26.5	52.7	0.0	0.0	0.0	936
DS9501RA	239	29.3	51.6	0.0	0.0	0.0	844
DS9501RA (Base)	260	30.0	51.7	0.0	0.0	0.0	916
DS9501RA (Refuge)	234	33.5	52.7	0.0	0.0	0.0	809
Mean	248	28.6	52.2	0.1	0.1	0.1	882
<b><u>Probability(%)</u></b>							
Hybrid(H)	8	0.0	11.3	46.5	46.5	46.5	4
<b><u>LSD(0.10)</u></b>							
Hybrid(H)	17	2.1	0.8	NS	NS	NS	63