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

Fertilizer:  
Preplant: 46-0-0  
Starter: 10-34-0  
Post plant: 28-0-0  
Manure: N/A

Herbicide: Dual II Mag 28 oz/A  
Hornet 4.0 oz/A

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>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield (bu/A)</th>
<th>Moisture (%)</th>
<th>Test weight (lb/bu)</th>
<th>Total %</th>
<th>Stalk %</th>
<th>Root %</th>
<th>Return ($/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS9501RA</td>
<td>277</td>
<td>19.9</td>
<td>54.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1033</td>
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<td>DS9501RA (Base)</td>
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<td>19.3</td>
<td>54.4</td>
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<td>0.4</td>
<td>0.0</td>
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<td>P0453AM</td>
<td>294</td>
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<td>P0453AM (Refuge)</td>
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<td>Mean</td>
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<td>0.1</td>
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**Probability(%)**

- Hybrid(H): 0.4 0.0 0.0 57.4 46.5 46.5 0.7

**LSD(0.10)**

- 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
Fertilizer:  
Preplant: N/A
Starter: 10-34-0  3.0 gal/A  5/7/13
Post plant: 28-0-0  130 lbs/A
Manure: N/A
Herbicide: Outlook 15 oz/A
Insecticide: None
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.

<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield</th>
<th>Moisture</th>
<th>Test weight</th>
<th>Lodged</th>
<th>Return</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bu/A</td>
<td>%</td>
<td>lb/bu</td>
<td>Total</td>
<td>Stalk</td>
</tr>
<tr>
<td>193-34VT2PRIB</td>
<td>61</td>
<td>25.7</td>
<td>50.5</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>193-34VT2PRIB (Base)</td>
<td>68</td>
<td>27.1</td>
<td>50.2</td>
<td>0.4</td>
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</tr>
<tr>
<td>193-34VT2PRIB (Refuge)</td>
<td>64</td>
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<td>4.3</td>
</tr>
<tr>
<td>DS9501RA</td>
<td>28</td>
<td>27.3</td>
<td>48.9</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>23</td>
<td>26.8</td>
<td>49.1</td>
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<td>0.0</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
<td>81</td>
<td>28.4</td>
<td>49.1</td>
<td>0.9</td>
<td>0.9</td>
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<tr>
<td>Mean</td>
<td>54</td>
<td>26.8</td>
<td>49.8</td>
<td>1.0</td>
<td>0.9</td>
</tr>
</tbody>
</table>

**Probability(%)**

| Hybrid(H)               | 4.6   | 11.5  | 22.6 | 3.0  | 2.2  | 46.5  | 4.4   |

**LSD(0.10)**

| 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

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

Plot Management
Tillage Operations: Chisel Plow
Field Cultivator

Fertilizer:
Preplant: 46-0-0
Starter: 10-34-0
Post plant: 46-0-0
Manure: N/A

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

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

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)

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

<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield</th>
<th>Moisture</th>
<th>Test weight</th>
<th>Lodged</th>
<th>Root</th>
<th>Return</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bu/A</td>
<td>%</td>
<td>lb/bu</td>
<td>%</td>
<td>%</td>
<td>$/A</td>
</tr>
<tr>
<td>DS9501RA</td>
<td>221</td>
<td>21.3</td>
<td>53.0</td>
<td>0.0</td>
<td>0.0</td>
<td>817</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>208</td>
<td>21.4</td>
<td>52.4</td>
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<td>0.0</td>
<td>770</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
<td>225</td>
<td>23.7</td>
<td>54.2</td>
<td>0.4</td>
<td>0.4</td>
<td>819</td>
</tr>
<tr>
<td>P0453AM</td>
<td>254</td>
<td>28.5</td>
<td>52.0</td>
<td>0.0</td>
<td>0.0</td>
<td>901</td>
</tr>
<tr>
<td>P0453AM (Base)</td>
<td>253</td>
<td>26.8</td>
<td>52.1</td>
<td>0.4</td>
<td>0.0</td>
<td>905</td>
</tr>
<tr>
<td>P0453AM (Refuge)</td>
<td>244</td>
<td>26.8</td>
<td>54.2</td>
<td>0.0</td>
<td>0.0</td>
<td>875</td>
</tr>
<tr>
<td>Mean</td>
<td>234</td>
<td>24.7</td>
<td>53.0</td>
<td>0.1</td>
<td>0.1</td>
<td>848</td>
</tr>
</tbody>
</table>

**Probability(%)**

| Hybrid(H)   | 1  | 0.0 | 2.0 | 46.5 | 46.5 | 46.5 | 5  |

**LSD(0.10)**

| 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

Site Information
Field: 
Previous Crop: Soybean  Soil Type: Downs Silt Loam
Date: 10/01/13

Plot Management
Tillage Operations: Chisel Plow  Field Cultivator
Fertilizer:
Preplant: 46-0-0  Rate lbs/A: 150 lbs/A  Date: N/A
Starter: 10-34-0  Rate lbs/A: 3.0 gal/A  Date: 5/8/13
Post plant: N/A  Rate lbs/A: N/A  Date: N/A
Manure: N/A  Rate lbs/A: N/A  Date: N/A

Herbicide: Harness 3.0 oz/A  Insecticide: None
Callisto 3.0 oz/A

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

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)

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

<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield</th>
<th>Moisture</th>
<th>Test weight</th>
<th>Lodged</th>
<th>Root</th>
<th>Return</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bu/A</td>
<td>%</td>
<td>lb/bu</td>
<td>%</td>
<td>%</td>
<td>$/A</td>
</tr>
<tr>
<td>DS9501RA</td>
<td>209</td>
<td>21.9</td>
<td>52.8</td>
<td>0.0</td>
<td>0.0</td>
<td>771</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>224</td>
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<td>53.1</td>
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<td>0.0</td>
<td>827</td>
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<tr>
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<td>0.0</td>
<td>698</td>
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<td>250</td>
<td>24.6</td>
<td>53.0</td>
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<td>908</td>
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<td>P0453AM (Base)</td>
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<td>0.0</td>
<td>0.0</td>
<td>928</td>
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<tr>
<td>P0453AM (Refuge)</td>
<td>240</td>
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<td>56.6</td>
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<td>0.0</td>
<td>874</td>
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<td>Mean</td>
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<td>54.4</td>
<td>0.1</td>
<td>0.1</td>
<td>834</td>
</tr>
</tbody>
</table>

### Probability(%)

| Hybrid(H) | 0     | 0.0   | 0.0  | 3.0  | 46.5 | 46.5  | 0     |

### LSD(0.10)

| 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: Preceding 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
Fertilizer:
Preplant: N/A
Starter:
10-34-0 3.0 gal/A 4/30/13
Post plant:
21-0-0-24S 46-0-0 150 lbs/A 161 lbs/A
Manure: N/A
N/A
Herbicide:
Prowl 2.0 pt/A
Laudis 3.0 oz/A
Insecticide:
Hybrid:
None
See Factors

Hybrid:
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>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield (bu/A)</th>
<th>Moisture (%)</th>
<th>Test weight (lb/bu)</th>
<th>Total Lodge (%)</th>
<th>Stalk Lodge (%)</th>
<th>Root Lodge (%)</th>
<th>Return ($/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS9501RA</td>
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<tr>
<td>DS9501RA (Base)</td>
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<td>0.0</td>
<td>891</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
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<tr>
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<td>23.3</td>
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<tr>
<td>P0453AM (Base)</td>
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<td>0.4</td>
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<tr>
<td>P0453AM (Refuge)</td>
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<td>22.7</td>
<td>53.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>874</td>
</tr>
</tbody>
</table>

**Probability(%)**

| Hybrid (H) | 31 | 93.4 | 18.9 | 46.5 | 46.5 | 46.5 | 22          |

**LSD(0.10)**

| Hybrid (H) | NS | NS | NS | NS | NS | NS | NS | NS |

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

Site Information
Field: Preplant:
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
Preplant: N/A
Starter: N/A
Date: N/A

Plot Management
Tillage Operations: Chisel
Field Cultivator
Preplant:
Starter: 10-34-13 3.0 gal/A 5/1/13
Post plant: 28-0-0 150 lbs/A N/A
Manure: N/A N/A N/A
Herbicide: Lumax 3.0 qt/A
Status: 7.0 oz/A
Insecticide: None
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

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)

Results: Table: Table 1301-11
<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield</th>
<th>Moisture</th>
<th>Test weight</th>
<th>Test Lodged</th>
<th>Root</th>
<th>Return</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bu/A</td>
<td>%</td>
<td>lb/bu</td>
<td>%</td>
<td>%</td>
<td>$/A</td>
</tr>
<tr>
<td>DS9501RA</td>
<td>256</td>
<td>17.1</td>
<td>57.4</td>
<td>3.5</td>
<td>0.4</td>
<td>3.1</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>258</td>
<td>17.6</td>
<td>56.9</td>
<td>0.4</td>
<td>0.4</td>
<td>0.0</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
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<td>16.8</td>
<td>60.4</td>
<td>6.3</td>
<td>2.4</td>
<td>3.9</td>
</tr>
<tr>
<td>P0453AM</td>
<td>274</td>
<td>18.0</td>
<td>56.7</td>
<td>7.8</td>
<td>0.0</td>
<td>7.8</td>
</tr>
<tr>
<td>P0453AM (Base)</td>
<td>285</td>
<td>18.1</td>
<td>56.6</td>
<td>2.4</td>
<td>0.0</td>
<td>2.4</td>
</tr>
<tr>
<td>P0453AM (Refuge)</td>
<td>241</td>
<td>19.0</td>
<td>60.5</td>
<td>1.2</td>
<td>0.4</td>
<td>0.8</td>
</tr>
<tr>
<td>Mean</td>
<td>255</td>
<td>17.7</td>
<td>58.1</td>
<td>3.6</td>
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<td>3.0</td>
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<tr>
<td><strong>Probability(%)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid(H)</td>
<td>0</td>
<td>0.3</td>
<td>0.0</td>
<td>45.4</td>
<td>1.4</td>
<td>52.9</td>
</tr>
<tr>
<td><strong>LSD(0.10)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hybrid(H)</td>
<td>18</td>
<td>0.7</td>
<td>1.1</td>
<td>NS</td>
<td>1.0</td>
<td>NS</td>
</tr>
</tbody>
</table>
## 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

### 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

### Plot Management

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

**Fertilizer:**  
**Preplant:** 46-0-0  
**Starter:** 10-34-0  
**Post plant:** N/A  
**Manure:** N/A

**Herbicide:** Lumax 3.0 qt/A

**Irrigation:** None

**Planting Date:** 5/14/13  
**Planting Depth:** 1.5"  
**Row Width:** 30"

**Target Plant Density:** 32000 plants per acre

**Harvest Date:** 10/16/13  
**Harvest Method:** Massey 8XP

**Planting Method:** Almaco Precision Planter

### 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)

### Results:

**Table:** Table 1301-12
<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield (bu/A)</th>
<th>Moisture (%)</th>
<th>Weight (lb/bu)</th>
<th>Total (%)</th>
<th>Stalk (%)</th>
<th>Root (%)</th>
<th>Return ($/bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS9501RA</td>
<td>226</td>
<td>18.7</td>
<td>54.8</td>
<td>0.4</td>
<td>0.4</td>
<td>0.0</td>
<td>845</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>234</td>
<td>19.3</td>
<td>55.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>874</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
<td>212</td>
<td>18.4</td>
<td>59.0</td>
<td>1.6</td>
<td>1.6</td>
<td>0.0</td>
<td>797</td>
</tr>
<tr>
<td>P0453AM</td>
<td>246</td>
<td>19.4</td>
<td>55.2</td>
<td>0.4</td>
<td>0.0</td>
<td>0.4</td>
<td>918</td>
</tr>
<tr>
<td>P0453AM (Base)</td>
<td>253</td>
<td>19.8</td>
<td>54.4</td>
<td>1.2</td>
<td>1.2</td>
<td>0.0</td>
<td>943</td>
</tr>
<tr>
<td>P0453AM (Refuge)</td>
<td>233</td>
<td>20.6</td>
<td>57.9</td>
<td>0.4</td>
<td>0.4</td>
<td>0.0</td>
<td>865</td>
</tr>
<tr>
<td>Mean</td>
<td>234</td>
<td>19.4</td>
<td>56.1</td>
<td>0.7</td>
<td>0.6</td>
<td>0.1</td>
<td>874</td>
</tr>
</tbody>
</table>

**Probability (%)**

| Hybrid (H)             | 0            | 0.0          | 0.0            | 62.6      | 56.3      | 46.5     | 0             |

**LSD (0.10)**

| 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

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

Herbicide:
- Harness Xtra 1.7 qt/A
- Callisto 3.0 oz/A

Irrigation: None

Herbicide:
- Harness Xtra 1.7 qt/A
- Callisto 3.0 oz/A

Hybrid:
- See Factors

Insecticide:

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:
- Channel 193-34VT2PRIB
- Channel 193-34VT2PRIB (Base)
- Channel 193-34VT2PRIB (Refuge)
- Dairyland DS9501RA
- Dairyland DS9501RA (Base)
- Dairyland DS9501RA (Refuge)

Results: Table Table 1301-13
### Table: 1301-13. Performance of Hybrid Seed Mixtures - Corn

**Seymour, WI - 2013.**

<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield (bu/A)</th>
<th>Moisture (%)</th>
<th>Test weight (lb/bu)</th>
<th>Lodged Total (%)</th>
<th>Lodged Stalk (%)</th>
<th>Lodged Root (%)</th>
<th>Return ($4.04/bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>193-34VT2PRIB</td>
<td>223</td>
<td>19.4</td>
<td>56.4</td>
<td>0.8</td>
<td>0.8</td>
<td>0.0</td>
<td>834</td>
</tr>
<tr>
<td>193-34VT2PRIB (Base)</td>
<td>212</td>
<td>19.5</td>
<td>55.4</td>
<td>0.4</td>
<td>0.4</td>
<td>0.0</td>
<td>792</td>
</tr>
<tr>
<td>193-34VT2PRIB (Refuge)</td>
<td>232</td>
<td>19.3</td>
<td>55.5</td>
<td>1.2</td>
<td>1.2</td>
<td>0.0</td>
<td>867</td>
</tr>
<tr>
<td>DS9501RA</td>
<td>249</td>
<td>22.0</td>
<td>52.8</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>915</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>248</td>
<td>22.2</td>
<td>52.6</td>
<td>0.4</td>
<td>0.0</td>
<td>0.4</td>
<td>911</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
<td>236</td>
<td>22.7</td>
<td>54.2</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>867</td>
</tr>
<tr>
<td>Mean</td>
<td>234</td>
<td>20.9</td>
<td>54.5</td>
<td>0.5</td>
<td>0.4</td>
<td>0.1</td>
<td>865</td>
</tr>
</tbody>
</table>

#### Probability(%)

| Hybrid(H) | 28  | 0.2 | 0.6   | 51.1 | 37.6 | 46.5 | 40   |

#### LSD(0.10)

| 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: Preplant 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 6/26/13
Fertilizer: Analysis: Rate lbs/A: Date:
Preplant: N/A N/A N/A
Starter: 10-34-0 3.0 gal/A 5/16/13
Post plant: 46-0-0 55 lbs/A 6/26/13
Manure: Dairy 10,000 gallon N/A
Herbicide: Steadfast 1.0 oz/A
Callisto 3.0 oz/A
Atrazine 0.25 lb/A
Herbicide: Force 3G 4.4 lbs/A
Hybrid: See Factors
Irrigation: 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.

<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Yield</th>
<th>Moisture</th>
<th>Test weight</th>
<th>Lodged</th>
<th>Root</th>
<th>Return $4.04/bu</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>bu/A</td>
<td>%</td>
<td>lb/bu</td>
<td>%</td>
<td>%</td>
<td>$/A</td>
</tr>
<tr>
<td>193-34VT2PRIB</td>
<td>247</td>
<td>26.4</td>
<td>52.0</td>
<td>0.4</td>
<td>0.0</td>
<td>0.4</td>
</tr>
<tr>
<td>193-34VT2PRIB (Base)</td>
<td>250</td>
<td>25.8</td>
<td>52.3</td>
<td>0.4</td>
<td>0.4</td>
<td>0.0</td>
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<tr>
<td>193-34VT2PRIB (Refuge)</td>
<td>261</td>
<td>26.5</td>
<td>52.7</td>
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<tr>
<td>DS9501RA</td>
<td>239</td>
<td>29.3</td>
<td>51.6</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>DS9501RA (Base)</td>
<td>260</td>
<td>30.0</td>
<td>51.7</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>DS9501RA (Refuge)</td>
<td>234</td>
<td>33.5</td>
<td>52.7</td>
<td>0.0</td>
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</tr>
<tr>
<td>Mean</td>
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<td>28.6</td>
<td>52.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**Probability(%)**

| Hybrid(H) | 8 | 0.0 | 11.3 | 46.5 | 46.5 | 46.5 | 4 |

**LSD(0.10)**

| Hybrid(H) | 17 | 2.1 | 0.8  | NS   | NS   | NS   | 63 |