Verdict™ Herbicide – Powered by Kixor® Herbicide Technology

• Control of the toughest broadleaf weeds including:
  - Waterhemp
  - Giant ragweed
  - Lambsquarters
  - Velvetleaf
  - Pa. smartweed
  - Wild buckwheat
  - Morningglory sp.
  - Pigweed
  - Common ragweed
  - Cocklebur
  - Black nightshade
  - Common sunflower

Stronger Foundation

• Lays the groundwork for maximum yield potential.
• Broad spectrum grass and broadleaf control.
• Residual and burndown weed control.

Simple

• Multi-crop flexibility – labeled on field corn and soybeans.
• Fewer use restrictions than atrazine.
• Low use rate.

Verdict™ Herbicide Performance – University of Illinois Field Trial – Champaign, IL – 2011
### One Pass Tank Mix with Guardsman Max® for Conventional or Minimum Tillage Field Corn

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verdict™ Herbicide* @ 16 oz./A&lt;br&gt;+ Guardsman Max® @ 1.5 pt./A</td>
<td>Preplant surface, PPI or preemergence</td>
</tr>
</tbody>
</table>

### One Pass Tank Mix with Guardsman Max® + Glyphosate for No-Till Field Corn

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verdict™ Herbicide* @ 16 oz./A&lt;br&gt;+ Guardsman Max® @ 1.5 pt./A&lt;br&gt;+ Glyphosate @ 32 oz./A&lt;br&gt;+ MSO @ 1 gal./100 gal. + AMS @ 17 lb./100 gal.</td>
<td>Preplant surface or preemergence&lt;br&gt;&lt;br&gt;Always add glyphosate for best results in burndown situations.&lt;br&gt;Use higher glyphosate rates for perennial weeds such as dandelion.</td>
</tr>
</tbody>
</table>

*Verdict rates are based on soil texture and organic matter. Read and follow label directions.<br>**Verdict must be applied prior to corn emergence or severe injury will occur.
One-Pass Recommendations for Field Corn

**One Pass Tank Mix with Atrazine for Conventional or Minimum Tillage Field Corn**

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verdict™ Herbicide* @ 18 oz./A  + Atrazine @ 1.0 lb./A</td>
<td>Preplant surface, PPI or preemergence</td>
</tr>
</tbody>
</table>

**Herbicide and Rate**

- Verdict™ Herbicide* @ 18 oz./A
- Atrazine @ 1.0 lb./A
- Glyphosate @ 32 oz./A
- MSO @ 1 gal./100 gal. + AMS @ 17 lb./100 gal.

**Application Method**

- Preplant surface or preemergence
- **Always add glyphosate for best results in burndown situations.**
- **Use higher glyphosate rates for perennial weeds such as dandelion.**

* Verdict rates are based on soil texture and organic matter. Read and follow label directions.

** Verdict must be applied prior to corn emergence or severe injury will occur.

---

**Verdict™ Herbicide Performance University of Illinois Field Trial – Champaign, IL: 2011**

- Untreated Check
- Verdict @ 18 oz./A + Atrazine @ 1 lb./A – PRE
Armezon™ Herbicide – A cross spectrum tank-mix partner for corn growers

- Control of the toughest weeds including:
  - Waterhemp
  - Velvetleaf
  - Kochia
  - Cocklebur
  - Giant ragweed
  - Pa. smartweed
  - Pigweed
  - Black nightshade
  - Lambsquarters
  - Burcucumber
  - Common ragweed
  - Common sunflower
  - Barnyardgrass
  - Large Crabgrass
  - Giant Foxtail
  - Goosegrass

Flexible

- Wide Window of Application Timing (spike to V8 corn)
- Control of many problematic grass and broadleaf weeds to protect yield potential.
- Easily tank mixes with multiple herbicides.

Simple

- Safe to all field and specialty corn regardless of trait or variety.
- Low use rate.

Armezon Herbicide Performance Southern Illinois University Field Trial – DeSoto, IL: 2011
### One-Pass Recommendations for Field Corn

**One Pass Tank Mix with Atrazine for Conventional or Minimum Tillage Field Corn**

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guardsman Max® Herbicide* @ 3-4 pt./A</td>
<td>Postemergence (spike to V3 growth stage)</td>
</tr>
<tr>
<td>+ Armezon™ Herbicide @ 0.5 – 0.75 oz./A</td>
<td><em>Roundup Ready corn only</em></td>
</tr>
<tr>
<td>+ Glyphosate @ labeled rate</td>
<td></td>
</tr>
<tr>
<td>+ MSO** @ 1 gal./100 gal.</td>
<td></td>
</tr>
<tr>
<td>+ AMS @ 17 lbs./100 gal.</td>
<td></td>
</tr>
</tbody>
</table>

**An MSO based blend may be used at 0.5 gal./100 gal.**

* Guardsman Max rates are based on soil texture and organic matter. Read and follow label directions.

**Guardsman Max + Armezon Herbicide Peformance University of Illinois Field Trial – Champaign, IL: 2011**

![Untreated Check](image1)

![Guardsman Max @ 4 pts./A + Armezon @ 0.5 oz./A + Roundup Powermax @ 22 oz./A + MSO + AMS – POST](image2)
## Two-Pass Recommendations for Field Corn

**Two Pass Program for Roundup Ready’ Field Corn**

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Application</strong></td>
<td></td>
</tr>
<tr>
<td>Verdict™ Herbicide* @ 10 – 16 oz./A</td>
<td>Preplant surface,</td>
</tr>
<tr>
<td></td>
<td>PPI or preemergence</td>
</tr>
</tbody>
</table>

| **Second Application**                     |                      |
| Status® Herbicide @ 2.5 – 5 oz./A         | Postemergence        |
| + Glyphosate @ 32 oz./A                   | on 4” – 30” tall corn |
| + NIS*** @ 0 – 1 qt./100 gal.             | or V8 Roundup Ready  |
| + AMS @ 17 lb./100 gal.                   | Corn Only.           |

*** Will vary depending if using a loaded vs. non loaded glyphosate formulation

* Verdict rates are based on soil texture and organic matter. Read and follow label directions.

** Verdict must be applied prior to corn emergence or severe injury will occur.

---

**Verdict™ Herbicide Performance – Western Illinois University Field Trial – Macomb, IL: 2011**

- Untreated Check
- Verdict @ 16 oz./A PRE fb Status @ 2.5 oz./A + Roundup PowerMax @ 22 oz./A + NIS + AMS POST
**Two-Pass Recommendations for Field Corn**

### Two Pass Program for Roundup Ready’ Field Corn

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Application</strong></td>
<td></td>
</tr>
<tr>
<td>Verdict™ Herbicide* @ 10 – 16 oz./A</td>
<td>Preplant surface, PPI or preemergence</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Second Application</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Armezon™ Herbicide @ 0.5 – 0.75 oz./A + Atrazine*** @ 1-2 pts./A + Glyphosate @ 32 oz./A + MSO**** @ 1 gal./100 gal. + AMS @ 17 lb./100 gal.</td>
<td>Postemergence spike to V8 corn Roundup Ready Corn Only. ***atrazine may be applied up to 12” corn.</td>
</tr>
<tr>
<td><strong>An MSO based blend may be used at 0.5 gal./100 gal.</strong></td>
<td></td>
</tr>
</tbody>
</table>

---

*Verdict rates are based on soil texture and organic matter. Read and follow label directions.

**Verdict must be applied prior to corn emergence or severe injury will occur.

---

**Verdict™ Herbicide Performance – University of Illinois Field Trial – Champaign, IL: 2010**

**Untreated Check**

**Verdict @ 13 oz./A PRE fb Armezon @ 0.75 oz./A + Atrazine @ 1 qt./A + MSO + UAN POST**
Two-Pass Recommendations for Field Corn

### Two Pass Program for Roundup Ready® Field Corn

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Application</strong></td>
<td></td>
</tr>
<tr>
<td>Guardsman Max® Herbicide* @ 2.5 - 3 pt./A</td>
<td>Preplant surface, PPI, preemergence, or early postemergence (12”)</td>
</tr>
</tbody>
</table>

| **Second Application** | Status® Herbicide @ 2.5 – 5 oz./A + Glyphosate @ 32 oz./A + NIS*** @ 0 – 1 qt./100 gal. + AMS @ 17 lb./100 gal. | Postemergence on 4” – 30” tall corn or V8 Roundup Ready Corn Only. |

***Will vary depending if using a loaded vs. non loaded glyphosate formulation

* Guardsman Max rates are based on soil texture and organic matter. Read and follow label directions.

---

**Guardsman Max® Herbicide Performance – BASF Field Trial – Seymour, IL: 2011**

- **Untreated Check**
- **Guardsman Max @ 3 pt./A PRE**
**Verdict™ Herbicide for Soybeans**

- Broad-spectrum broadleaf weed control.
  - Provides an excellent waterhemp foundation.

- Residual and burndown weed control.


- Use Rate:
  - Verdict @ 5 oz./A = Sharpen® Herbicide @ 1 oz./A +
    Outlook® Herbicide @ 4 oz./A

- Labeled for use on soybeans and field corn.

---

**Two Pass Program for Roundup Ready¹ Soybeans**

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Application</strong></td>
<td>Verdict™ Herbicide* @ 5 oz./A + Outlook® @ 5-8 oz./A</td>
</tr>
<tr>
<td><strong>Second Application</strong></td>
<td>Glyphosate @ 32 oz./A + NIS*** @ 1 pt./100 gal. + AMS @ 17 lb./100 gal.</td>
</tr>
</tbody>
</table>

*Preplant restriction: 30 days on coarse soils with ≤ 2% organic matter.
** Do not apply after crop emergence or severe injury will occur.

*** Will vary depending if using a loaded vs. non loaded glyphosate formulation
OpTill® Pro Herbicide for Soybeans

- Unique chemistry that provides broad-spectrum broadleaf and grass weed control, including an excellent waterhemp foundation.
- Provides burndown and enhanced residual weed control.
- Use Rate:
  - OpTill Pro = Sharpen® Herbicide @ 1 oz./A + Pursuit® Herbicide @ 4 oz./A + Outlook® Herbicide @ 10 oz./A

OpTill® Herbicide + Outlook® Herbicide Performance – Boyden, IA: 2011

<table>
<thead>
<tr>
<th>Untreated Check</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OpTill® Herbicide (2 oz/A) + Outlook® Herbicide (8 oz/A)</th>
</tr>
</thead>
</table>
OpTill® Pro Herbicide Recommendations

**Two Pass Program for Roundup Ready¹ Soybeans**

<table>
<thead>
<tr>
<th>First Application</th>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OpTill® Pro Herbicide* @ 2 oz./A (dry)</td>
<td>Preplant surface up to preemergence</td>
</tr>
<tr>
<td></td>
<td>+ 10 oz./A (liquid)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Application</th>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Glyphosate @ 32 oz./A</td>
<td>Postemergence</td>
</tr>
<tr>
<td></td>
<td>+ NIS*** @ 0 – 1 qt./100 gal.</td>
<td>Roundup Ready¹ Soybeans Only.</td>
</tr>
<tr>
<td></td>
<td>+ AMS @ 17 lb./100 gal.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*** Will vary depending if using a loaded vs. non loaded glyphosate formulation</td>
<td></td>
</tr>
</tbody>
</table>

**Two Pass Program for Non-GMO Soybeans**

<table>
<thead>
<tr>
<th>First Application</th>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OpTill® Pro Herbicide* @ 2 oz./A (dry)</td>
<td>Preplant surface up to preemergence</td>
</tr>
<tr>
<td></td>
<td>+ 10 oz./A (liquid)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>+8 oz./A Outlook® Herbicide</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Application</th>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Follow with the labeled postemergence herbicide that meets your weed control needs.</td>
<td>Postemergence</td>
</tr>
</tbody>
</table>

* OpTill Pro has a preplant interval restriction of 30 days for coarse soils with 2% or less organic matter.

** DO NOT apply OpTill Pro when soybeans have reached cracking stage or after emergence because severe crop injury will result.
Enhance Your Soybean Herbicide Program with Sharpen® Herbicide

Enhances ANY burndown or residual program.
- Improves consistency of several broadleaf weeds.

Resistance Management
- Additional site of action to manage and/or prevent resistant broadleaf weeds.

Flexible
- Provides a wider, more effective window for a postemergence herbicide application.

Two Pass Program with Extreme® Herbicide for Roundup Ready¹ Soybeans

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method*</th>
</tr>
</thead>
</table>
| **First Application** | Sharpen® Herbicide @ 1 oz./A  
+ Extreme® Herbicide @ 3 pt./A  
+ MSO @ 1 gal./100 gal.  
+ AMS @ 17 lb./100 gal. | Preplant surface up to preemergence**  
Add additional glyphosate for perennial weeds such as dandelion. |

| Second Application | Glyphosate @ 32 oz./A  
+ NIS*** @ 0 – 1 qt./100 gal.  
+ AMS @ 17 lb./100 gal. | Postemergence  
Roundup Ready Soybeans Only. |

*** Will vary depending if using a loaded vs. non loaded glyphosate formulation

* Sharpen has a preplant interval restriction of 30 days for coarse soils with 2% or less organic matter.

** DO NOT apply Sharpen when soybeans have reached cracking stage or after emergence because severe crop injury will result.
Sharpen® Herbicide For Field Corn

Enhance Your Corn Herbicide Program with Sharpen® Herbicide

Enhances ANY burndown or residual program.
- Improves consistency of several broadleaf weeds.

Resistance Management
- Additional site of action to manage and/or prevent resistant broadleaf weeds.

Flexible
- Provides a wider, more effective window for a postemergence herbicide application.

Two Pass Program with Guardsman Max® Herbicide For Roundup Ready® Field Corn

<table>
<thead>
<tr>
<th>Herbicide and Rate</th>
<th>Application Method**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Application</strong></td>
<td></td>
</tr>
<tr>
<td>Sharpen® Herbicide* @ 2 – 3 oz./A</td>
<td>Preplant surface, PPI or preemergence</td>
</tr>
<tr>
<td>+ Guardsman Max® Herbicide* @ 2.5 – 4.6 pt./A</td>
<td></td>
</tr>
<tr>
<td><strong>Second Application</strong></td>
<td></td>
</tr>
<tr>
<td>Glyphosate @ 32 oz./A</td>
<td>Postemergence on 4”- 30” tall corn or V8</td>
</tr>
<tr>
<td>+ NIS*** @ 0 – 1 qt./100 gal.</td>
<td></td>
</tr>
<tr>
<td>+ AMS @ 17 lb./100 gal.</td>
<td>Roundup Ready Corn Only.</td>
</tr>
</tbody>
</table>

*** Will vary depending if using a loaded vs. non loaded glyphosate formulation

* Sharpen and Guardsman Max rates are based on soil texture and organic matter. Read and follow label directions.
** Sharpen must be applied prior to corn emergence or severe injury will occur.

Always read and follow label directions.

Kixor, Outlook, Status, Pursuit, OpTill, Sharpen. Prowl, Guardsman Max and Extreme are registered trademarks and Verdict is a trademark of BASF.

* Roundup PowerMax and Roundup Ready is a registered trademark of Monsanto Technology LLC.

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Maximize your soybean yields in 2012 with Headline

<table>
<thead>
<tr>
<th>Headline® Fungicide Rate</th>
<th>Optimal Application Timing</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| Headline @ 6 – 9 oz./A   | Apply between late R2 (full flower) and early R4 (full pod stage) for disease control and improved soybean plant health. | ■ Apply in 20 GPA of water by ground.  
■ Apply in 2 GPA or more by air.  
■ Headline may be tank-mixed with an insecticide.  
■ The use of a crop oil or adjuvant may be used to improve spray coverage. |

Always read and follow label directions.  
Headline is a registered trademark of BASF.  
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2012 Corn Recommendations

- **Headline AMP™ Fungicide Rate:**
  - Headline AMP @ 10 – 14.4 oz./A (field, seed, popcorn & sweet corn).

- **Optimal Application Timing:**
  - VT (100% tassel emergence) to R3 (milk stage) – see diagram below.
  - Preventative fungicide applications maximize disease control, plant health and ROI.

- **Adjuvant Recommendations:**
  - A non-ionic surfactant is recommended for use with Headline AMP only after the corn reaches the VT stage (100% tassel emergence) or before the V8 corn growth stage to help ensure good spray coverage.
  - DO NOT use adjuvants after the V8 stage and prior to the VT stage. Read and follow all directions regarding additive/adjuvant use in the chart below and on the label.

- **Adjuvant Rates:**
  - The use of a non-ionic surfactant at the lowest labeled rate may be used to improve spray coverage.

- **Coverage:**
  - Aerial applications: 2 – 5 GPA, medium to fine droplets.
  - Ground applications: 20 GPA, medium to fine droplets.

---

### Headline AMP: 10 oz/A

<table>
<thead>
<tr>
<th>Ground or Aerial application</th>
<th>Non-Ionic Surfactant (NIS) Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allowed</td>
<td>NIS Not Allowed</td>
</tr>
</tbody>
</table>

An NIS may be used with Headline AMP prior to the V8 stage and after corn reaches the VT stage.

A compatibility agent, another fungicide, or an insecticide may be included in the tank mix, if needed, and labeled for use on corn.

The optimal application timing for Headline AMP on corn is the VT to R3 stages (full tassel to milk) or prior to the onset of disease.

*VT stage begins when the last branch of the tassel is completely visible outside of the whorl.*