

# Roundup Ready® Corn 2



## Weed Control Recommendations—All U.S. Regions Except California and Arizona

The Roundup Ready® Corn 2 system's flexibility, broad-spectrum weed control and proven crop safety offer growers weed control programs that allow them to use the system in the way that provides the greatest benefit. Growers can select the program that best fits the way they farm. Options include the use of a residual herbicide with a Roundup® agricultural herbicide, tank-mixing other herbicides with Roundup agricultural herbicides where appropriate and a total postemergence program.

### AGRONOMIC PRINCIPLES

Corn yield is very sensitive to early season weed competition. Weed control systems must provide growers the opportunity to control weeds before they become competitive. The Roundup Ready Corn 2 system provides a mechanism to control weeds at planting and once they emerge. Failure to control weeds with the right rate, at the right time, and with the right product, can lead to increased weed competition, weed escapes, and the potential for decreased yields. Use other herbicide products with Roundup agricultural herbicides if appropriate for the weed spectrum.

### WEED RESISTANCE MANAGEMENT FOR ROUNDUP READY CORN 2

Follow the guidelines below to minimize the risk of developing glyphosate-resistant weed populations in a Roundup Ready Corn 2 system.

- Start clean with a burndown herbicide or tillage. Early season weed control is critical to yield.
- Apply preemergence residual herbicides such as Harness® Xtra, Degree Xtra®, or other residual herbicides at the recommended rate.
- Or apply a preemergence residual herbicide at the recommended rate tank-mixed with Roundup WeatherMAX® at a minimum of 22 oz/A in-crop before weeds exceed 4" in height.
- Follow with a postemergence in-crop application of Roundup WeatherMAX at a minimum of 22 oz/A for additional weed flushes before they exceed 4" in height.
- Roundup WeatherMAX may be tank-mixed with other herbicides for postemergence weed control.
- Report repeated non-performance to Monsanto or your local retailer.

PROGRAM	INSTRUCTIONS AND USE RATES*	ADDITIONAL INFORMATION																								
<p><b>For use where residual herbicides are typically used for early season weed control:</b></p> <p><b>Residual Herbicide Plus Roundup WeatherMAX</b></p>	<p>Use Roundup Ready Rates of Bullet®, Degree, Degree Xtra, Harness, Harness Xtra, Harness Xtra 5.6L, Micro-Tech®, or Lariat® (no post) as defined in the table below and the individual product labels, either pre or postemergence to the crop.**</p> <p>Follow with Roundup WeatherMAX at 16 to 22 oz/A post sequentially after preemergence application or tank-mixed in-crop with the residual. Applications should be made before weeds exceed 4" in height.</p> <p><b>Roundup Ready Rates***</b></p> <table border="1"> <tbody> <tr> <td>Harness</td> <td>1.5</td> <td>Pints</td> </tr> <tr> <td>Degree</td> <td>3.0</td> <td>Pints</td> </tr> <tr> <td>Harness Xtra</td> <td>1.2</td> <td>Quarts</td> </tr> <tr> <td>Harness Xtra 5.6L</td> <td>1.5</td> <td>Quarts</td> </tr> <tr> <td>Degree Xtra</td> <td>2.0</td> <td>Quarts</td> </tr> <tr> <td>Micro-Tech</td> <td>2.0</td> <td>Quarts</td> </tr> <tr> <td>Lariat</td> <td>2.0</td> <td>Quarts</td> </tr> <tr> <td>Bullet</td> <td>2.0</td> <td>Quarts</td> </tr> </tbody> </table>	Harness	1.5	Pints	Degree	3.0	Pints	Harness Xtra	1.2	Quarts	Harness Xtra 5.6L	1.5	Quarts	Degree Xtra	2.0	Quarts	Micro-Tech	2.0	Quarts	Lariat	2.0	Quarts	Bullet	2.0	Quarts	<p>Use full labeled rate of residual when application is 14 days or more prior to planting or when tough grasses are present, e.g., barnyardgrass, shattercane, seedling johnsongrass, sandbur.</p> <p>Use a minimum of 2.5 pt/A of Harness on woolly cupgrass and wild proso millet.</p> <p>Products containing atrazine will provide improved control of cocklebur, giant ragweed, <i>Palmer amaranth</i> and morningglory.</p> <p>Tank-mix products such as 2,4-D, dicamba or Status herbicide with Roundup WeatherMAX for control of glyphosate-resistant marestalk (horseweed), <i>Palmer amaranth</i> and other difficult-to-control weeds.</p> <p>Use 22 to 32 oz/A of Roundup WeatherMAX* when morningglory or perennial weeds are present or when broadleaf weeds are 4" in height or taller.</p> <p>Corn height restrictions if tank-mixing:</p> <ul style="list-style-type: none"> <li>• Bullet and Micro-Tech - 5"</li> <li>• Degree, Degree Xtra, Harness, Harness Xtra and Harness Xtra 5.6L - 11"</li> </ul>
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<p><b>For use where total postemergence programs are effective and sustainable:</b></p> <p><b>Roundup WeatherMAX Sequential</b></p>	<p>Apply Roundup WeatherMAX at 16 to 22 oz/A before weeds exceed 4" in height and follow with a second application at 16 to 22 oz/A for an additional flush of weeds before they exceed 4" in height.</p>	<p>Use 22 to 32 oz/A of Roundup WeatherMAX when morningglory or perennial weeds are present.</p> <p>Tank-mix products such as 2,4-D, dicamba or Status herbicide with Roundup WeatherMAX for control of glyphosate resistant marestalk (horseweed), <i>Palmer amaranth</i> and other difficult-to-control weeds.</p>																								
<p><b>Maximum Use Rates For Roundup WeatherMAX</b></p>	<p><b>Roundup Ready Corn 2 In-crop:</b></p> <ul style="list-style-type: none"> <li>• 32 oz/A per single application</li> <li>• Total: 64 oz/A from emergence through 48" height of corn, drop nozzles must be used from 30" to 48" corn.</li> </ul>	<p><b>Roundup Ready Corn 2 Total Season:</b></p> <p>The combined total of preplant, in-crop and preharvest applications of Roundup WeatherMAX cannot exceed 5.3 qt/A. The combined total of in-crop and preharvest applications cannot exceed 66 oz/A.</p>																								

\* If using another Roundup agricultural herbicide, you must refer to the label booklet or Roundup Ready Corn 2 supplemental label for that brand to determine appropriate use rates. If using Roundup Original MAX®, application rates are the same as for Roundup WeatherMAX. If using another residual herbicide, follow the labeled use rate instructions applicable to Roundup Ready Corn 2.

\*\* Atrazine may also be used as a residual herbicide in the Roundup Ready Corn 2 System. \*\*\* You may apply up to the full residual herbicide labeled rate for corn.



## Weed Control Recommendations—California and Arizona

The Roundup Ready Corn 2 system's flexibility, broad-spectrum weed control and proven crop safety offers growers weed-control programs that allow them to use the system in the way that provides the greatest benefit. Growers can select the program that best fits the way they farm. Options include the use of a residual herbicide with a Roundup agricultural herbicide, tank-mixing other herbicides with Roundup agricultural herbicides where appropriate and a total postemergence program.

### AGRONOMIC PRINCIPLES

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### WEED RESISTANCE MANAGEMENT FOR ROUNDUP READY CORN 2

Follow the guidelines below to minimize the risk of developing glyphosate-resistant weed populations in a Roundup Ready Corn 2 system.

- Start clean with a burndown herbicide or tillage. Early season weed control is critical to yield.
- Apply preemergence residual herbicides such as Harness Xtra, Degree Xtra, or other residual herbicides at the recommended rate.
- Or apply a preemergence residual herbicide at the recommended rate tank-mixed with Roundup WeatherMAX at a minimum of 22 oz/A in-crop before weeds exceed 4" in height.
- Follow with a postemergence in-crop application of Roundup WeatherMAX at a minimum of 22 oz/A for additional weed flushes before they exceed 4" in height.
- Roundup WeatherMAX may be tank-mixed with other herbicides for postemergence weed control.
- Report repeated non-performance to Monsanto or your local retailer.



## Roundup Ready® Corn 2

PROGRAM	INSTRUCTIONS AND USE RATES*	ADDITIONAL INFORMATION
<p><b>For use where residual herbicides are typically used for early season weed control:</b></p> <p><b>Residual Herbicide Plus Roundup WeatherMAX®</b></p>	<p><b>Preemergence:</b></p> <ul style="list-style-type: none"> <li>Use recommended labeled rate of a residual herbicide.</li> </ul> <p><b>Postemergence:</b></p> <ul style="list-style-type: none"> <li>Apply Roundup WeatherMAX* at 16 to 22 oz/A in-crop before weeds exceed 4" in height.</li> </ul>	<p>To ensure proper coverage of weeds, drop nozzles are recommended when the corn is over 24" in height and must be used in Roundup Ready® Corn 2 from 30" to 48" corn.</p>
<p><b>For use where total postemergence programs are effective and sustainable:</b></p> <p><b>Roundup WeatherMAX Sequential</b></p>	<p><b>In-crop:</b></p> <ul style="list-style-type: none"> <li>Apply Roundup WeatherMAX at 16 to 22 oz/A in-crop before weeds exceed 4" in height.</li> <li>Make second application of Roundup WeatherMAX* at 16 to 22 oz/A to control an additional flush of weeds, before weeds exceed 4" in height.</li> </ul>	<p>To ensure proper coverage of weeds, drop nozzles are recommended when the corn is over 24" in height and must be used in Roundup Ready Corn 2 from 30" to 48" corn.</p>
<p><b>Maximum Use Rates For Roundup WeatherMAX</b></p>	<p><b>Roundup Ready Corn 2 In-crop:</b></p> <ul style="list-style-type: none"> <li>32 oz/A per single application</li> <li>Total: 64 oz/A from emergence through 48" height of corn, drop nozzles must be used from 30" to 48" corn.</li> </ul>	<p><b>Roundup Ready Corn 2 Total Season:</b></p> <p>The combined total of preplant, in-crop and preharvest applications of Roundup WeatherMAX cannot exceed 5.3 qt/A. The combined total of in-crop and preharvest applications cannot exceed 66 oz/A.</p>

\*If using another Roundup agricultural herbicide, you must refer to the label booklet or Roundup Ready Corn 2 supplemental label for that brand to determine appropriate use rates. If using Roundup Original MAX®, application rates are the same as for Roundup WeatherMAX. If using another residual herbicide, follow the labeled use rate instructions applicable to Roundup Ready Corn 2.

### RECOMMENDATIONS FOR MANAGING GLYPHOSATE-RESISTANT WEEDS IN ROUNDUP READY CORN 2

WEEDS	INSTRUCTIONS AND USE RATES
<p><b>Glyphosate-Resistant Horseweed (Marestail)</b></p>	<p>Start clean with a burndown program or tillage.</p> <p>Tank-mix Roundup agricultural herbicides with 2,4-D, or dicamba, according to the label directions.</p> <p>In crop, tank-mix 22 ounces per acre of Roundup WeatherMAX with Clarity (8 to 16 fluid ounces per acre) or 2,4-D (0.5 to 1.0 lb active ingredient per acre) from corn emergence to the 5-leaf stage of corn growth (approximately 8" tall).</p> <p>Or tank-mix 22 ounces per acre of Roundup WeatherMAX with 5 ounces per acre of Status herbicide when the corn is 4" to 36" tall (V2 to V10).</p> <p>Horseweed should not exceed 6" in height at the time of in-crop application.</p>
<p><b>Glyphosate-Resistant Palmer Amaranth</b></p>	<p>Start clean with a burndown program or tillage.</p> <p>Use a residual herbicide such as Harness® Xtra, Harness Xtra 5.6L, Degree Xtra® or other residual herbicide either preemergence or in-crop for control of <i>Palmer amaranth</i>.</p> <p>In crop, tank-mix Roundup WeatherMAX with other herbicides such as 2,4-D, dicamba (Clarity or Banvel) or Status herbicide to control emerged weeds. Applications of Status herbicide should be made when the corn is between 4" and 36" tall (V2 to V10). Follow all label directions.</p> <p><i>Palmer amaranth</i> should not exceed 3" in height at the time of in-crop application.</p>

In certain areas populations of common ragweed, giant ragweed and waterhemp are known to be resistant to glyphosate. For control recommendations for resistant biotypes of these weeds, refer to [www.weedresistancemanagement.com](http://www.weedresistancemanagement.com) or call 1-800-ROUNDUP. When approved, supplemental labeling for specific herbicide products can also be viewed on [www.cdms.net](http://www.cdms.net) or [www.greenbook.net](http://www.greenbook.net).