



## Use of XtendiMax<sup>®</sup> Herbicide with VaporGrip<sup>®</sup> Technology in Soybean

XtendiMax<sup>®</sup> herbicide with VaporGrip<sup>®</sup> Technology (a restricted use pesticide) is a component of the Roundup Ready<sup>®</sup> Xtend Crop System, which includes Roundup Ready 2 Xtend<sup>®</sup> soybean with both dicamba and glyphosate herbicide tolerance. The benefits of this system include:

- Control of over 350 species of weeds including glyphosate-resistant broadleaf weeds, such as Palmer amaranth, waterhemp, and marestail, and other tough-to-control broadleaf weeds, such as lambsquarters and velvetleaf.
- Up to 14 days of soil activity on certain small-seeded broadleaf weeds.\*
- Extended application flexibility before, at, and after planting.

\*Always use dicamba with traditional residual herbicides in pre-emergence and post-emergence applications that have different effective sites of action, along with other Diversified Weed Management Practices. Read and Understand the Label. The [specific label requirements](#) for XtendiMax with VaporGrip Technology should be read and understood prior to use. State-specific details for XtendiMax with VaporGrip Technology can be found by [clicking here](#) or by checking with your state's pesticide regulatory agency.



XtendiMax<sup>®</sup> herbicide with VaporGrip<sup>®</sup> Technology (22 fl oz) 14 days after PRE-application



Enlist One<sup>™</sup> (24 fl oz) 14 days after PRE-application

**Figure 1. Comparison of weed control between XtendiMax with VaporGrip Technology and Enlist One<sup>™</sup> herbicides.**

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**Mandatory Dicamba Training** The EPA label for XtendiMax with VaporGrip Technology (a restricted use pesticide) requires that certified applicators complete mandatory training prior to applying the product. To comply with the label and ensure a successful application, register for a dicamba training event in your state. You can find more about dicamba application requirements and in-person training sessions online by [clicking here](#).

**Application Rate** The seasonal total application rate cannot exceed 88 fl oz/acre of XtendiMax with VaporGrip Technology. As a burndown/early pre-plant, pre-plant, at planting, and pre-emergence application, no more than 44 fl oz/acre can be applied in a single season. For a post-emergence application to Roundup Ready 2 Xtend soybeans, a limit of 44 fl oz/acre can be applied prior to bloom or 45 days after planting, whichever comes first. Only two post-emergence applications are allowed per season. Additionally, only 22 fl oz/acre can be applied during a single post-emergence application.

**Application Window** The application window for XtendiMax with VaporGrip Technology in soybean is from pre-planting to prior to beginning bloom (R1 stage soybeans) or no more than 45 days after planting, whichever occurs first (Figure 2).

**Recordkeeping** Certified applicators MUST fill out records within 72 hours of spraying and keep them for a period of 2 years. Requirements of record keeping varies by state and some states have different requirements. Recordkeeping forms can be obtained by [clicking here](#).

**Application Requirements** Please visit [www.xtendimaxapplicationrequirements.com](http://www.xtendimaxapplicationrequirements.com) for more information.

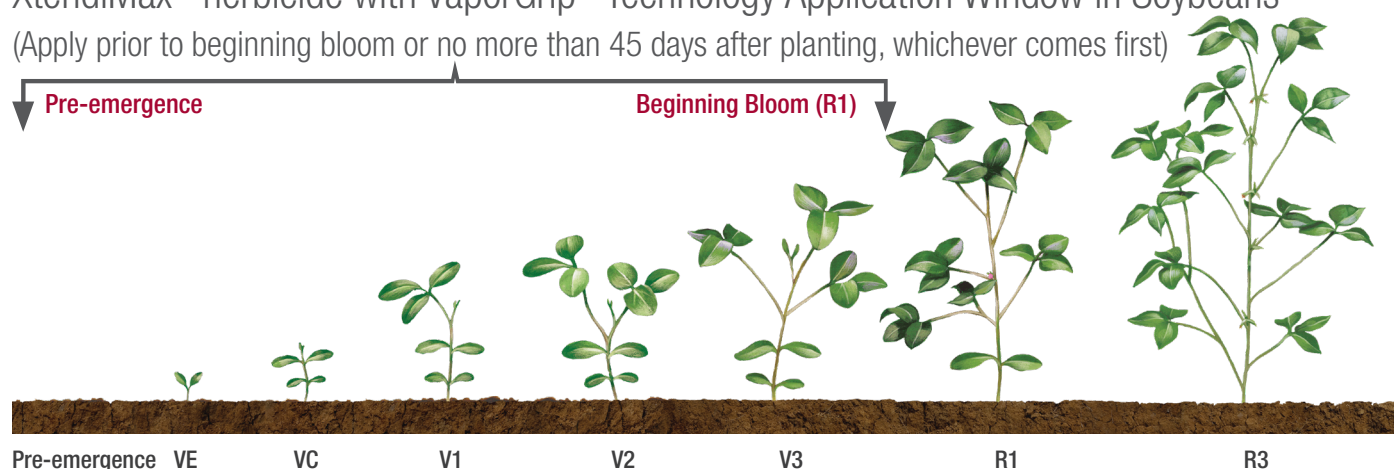
**Drift Reduction Adjuvant Rate** When using an approved DRA for tank-mix products, as required by the XtendiMax with VaporGrip Technology label, the lowest rate allowed by the DRA label is recommended. Only use approved DRAs.

**Mixing Products and Mixing Order** **DO NOT tank mix any product with XtendiMax with VaporGrip Technology unless:**

1. The intended tank-mix product is identified on the list of tested products found at [xtendimaxapplicationrequirements.com](http://xtendimaxapplicationrequirements.com)
2. The intended products are not prohibited on either this label or the label of the tank-mix product; and all requirements and restrictions on [xtendimaxapplicationrequirements.com](http://xtendimaxapplicationrequirements.com) are followed.

FIGURE 2. APPLICATION WINDOW

XtendiMax<sup>®</sup> herbicide with VaporGrip<sup>®</sup> Technology Application Window in Soybeans  
(Apply prior to beginning bloom or no more than 45 days after planting, whichever comes first)



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**Mixing Order – Add the following items in the order specified below:**

(To access this information online, please see the [specific label requirements](#) for XtendiMax with VaporGrip Technology)

1. Begin by agitating a thoroughly-cleaned sprayer tank three-quarters full of clean water
2. Maintain constant agitation throughout mixing and application
3. Drift reduction adjuvants (DRA) (when applicable)
4. If an inductor is used, rinse it thoroughly after each component has been added.
5. Products in PVA bags - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
6. Water-dispersible products (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
7. Water-soluble products (such as XtendiMax with VaporGrip Technology)
8. Emulsifiable concentrates (such as crop oil concentrate, when applicable)
9. Water-soluble additives (when applicable)
10. Add the remaining quantity of water
11. Maintain constant agitation during application

**Nozzle Type and Pressure** Please visit [xtendimaxapplicationrequirements.com](http://xtendimaxapplicationrequirements.com) for more information on nozzle selection and Pressure.

**Spray Volume** Apply in a minimum of 15 gallons of spray solution per acre.

**RRXtend Spray App** This is a farmer- and applicator-focused digital tool that provides location-specific weather forecasts, digital record-keeping capabilities, and educational resources related to the Roundup Ready<sup>®</sup> Xtend Crop System. The app can be downloaded from the Apple Store and Google Play. More information can be found by [clicking here](#).

**Find an Applicator** To find an applicator in your area, [click here](#). Applicators are being added regularly and can be searched by zip code. If you are interested in being listed as an applicator for your area, you can submit your application here as well.

## Legal Statements

**Monsanto Company is a member of Excellence Through Stewardship<sup>®</sup> (ETS).** Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship<sup>®</sup> is a registered trademark of Excellence Through Stewardship.

**XtendiMax<sup>®</sup> herbicide with VaporGrip<sup>®</sup> Technology is part of the Roundup Ready<sup>®</sup> Xtend Crop System and is a restricted use pesticide. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. XtendiMax<sup>®</sup> herbicide with VaporGrip<sup>®</sup> Technology and products with XtendFlex<sup>®</sup> Technology may not be approved in all states and may be subject to use restrictions in some states. Check with your local product dealer or representative or U.S. EPA and your state pesticide regulatory agency for the product registration status and additional restrictions in your state. For approved tank-mix products and nozzles visit [XtendiMaxApplicationRequirements.com](http://XtendiMaxApplicationRequirements.com).

NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend<sup>®</sup> soybeans. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend<sup>®</sup> soybeans or cotton with XtendFlex<sup>®</sup> Technology.

**The RRXtend Spray App** provides forecasts for locations within the contiguous United States. Do not use this app for forecasts outside the contiguous United States. Forecasts are for planning purposes only and are not a substitute for checking actual weather conditions at your location at the time of application and comply with the product label and other legal requirements.

**Performance may vary**, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

**Roundup Ready 2 Xtend<sup>®</sup> soybeans contain genes that confer tolerance to glyphosate and dicamba.** Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

**Tank mixtures:** The applicable labeling for each product must be in the possession of the user at the time of application. Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Not all tank mix product formulations have been tested for compatibility or performance other than specifically listed by brand name. Always predetermine the compatibility of tank mixtures by mixing small proportional quantities in advance. Roundup Ready 2 Xtend<sup>®</sup>, Roundup Ready<sup>®</sup>, VaporGrip<sup>®</sup> and XtendiMax<sup>®</sup> are registered trademarks of Bayer Group. All other trademarks are the property of their respective owners. ©2019 Bayer Group. All rights reserved. 1003\_S2

