2020 Product Use Guide
Say Hello to Advanced Weed Control

When you plant Roundup Ready 2 Xtend® soybeans, you have an effective option for controlling herbicide-resistant broadleaf weeds.

DuPont™ FeXapan® herbicide Plus VaporGrip® Technology is a next-generation, low-volatility dicamba herbicide.

VaporGrip® Technology reduces dicamba acid (the volatile form of dicamba) from forming in the spray droplet.

- Knocks out the toughest broadleaf weeds, even those resistant to glyphosate, including marestail, kochia, waterhemp and Palmer amaranth.
- Adds a complementary mode of action to your weed control program.
- Tank-mixes with other qualified herbicides, providing more sites of action for weed-free acres all season long.

FeXapan® herbicide Plus VaporGrip® Technology is also labeled for preplant use.

Consult the label for FeXapan® herbicide Plus VaporGrip® Technology for a list of weeds controlled.

Find all qualified tank-mix partners at FeXapanApplicationRequirements.DuPont.com.

The Weed Science Society of America (WSSA) classifies dicamba as a Group 4 herbicide (synthetic auxin).

Program Approach

Use FeXapan® herbicide Plus VaporGrip® Technology as part of a program approach for season-long control and to help manage herbicide resistance.

1. Start with a clean field, using a burndown herbicide application or tillage.
2. Use a broad-spectrum residual herbicide with a different site(s) of action (non-Group 4) as a foundation.
3. Apply FeXapan® herbicide Plus VaporGrip® Technology, preferably early in the application window.

Applying the same herbicide, season after season, can promote the spread of resistant weeds. That’s where a diverse weed resistance management program comes in. Using different strategies helps to keep resistant weeds in check.

Some strategies include the use of multiple herbicides with different sites of action and overlapping weed spectrums in combination with other practices, such as tillage operations and/or other cultural practices. So, you can manage resistance for season-long control.

Consult the label for FeXapan® herbicide Plus VaporGrip® Technology for a list of weeds controlled.
As you scout fields and plan your application of FeXapan® herbicide Plus VaporGrip® Technology, be familiar with all label requirements. Only certified applicators can buy and spray FeXapan® herbicide Plus VaporGrip® Technology, and they must complete dicamba- or auxin-specific training prior to making an application in the 2020 season.

**Application Window**

The preferred application window on Roundup Ready 2 Xtend® soybeans is from preemergence up through the V2 crop stage. Spray early in the application window to reduce the potential for off-target movement, improve weed control and protect yield potential. Per the federal label, the latest an application can be made on Roundup Ready 2 Xtend soybeans is prior to beginning bloom (R1 stage soybeans) or 45 days after planting, whichever occurs first. State-specific restrictions may impact calendar dates when applications can be made.

**Timing**

Apply to weeds no more than 4 inches tall for best coverage and results. Allow at least seven days between postemergence in-crop applications.

**Tank-mixing**

Before spraying, check for qualified tank-mix partners. Don’t use ammonium salt products, such as ammonium sulfate (AMS) or urea ammonium nitrate (UAN). Apply in a minimum of 15 gallons of spray solution per acre. It is recommended to test the pH of your tank-mix solution prior to application and adjust/buffer if the pH is 5 or less. Use the tank-mixing order instructions on the label.

**Nozzles and Operating Pressure**

Use only qualified nozzles and pressure combinations, such as the TeeJet TTI11004 with a maximum nozzle operating pressure of 63 psi for application. This creates larger droplets, provides more uniform spray coverage and reduces drift.

**Buffer Requirements**

A downwind buffer is always required when spraying FeXapan® herbicide Plus VaporGrip® Technology.

- Always maintain a 110-foot downwind buffer when applying up to 22 fl. oz./A.
- Always maintain a 220-foot downwind buffer when applying >22 fl. oz./A – 44 fl. oz./A.

Downwind buffer areas may include fallow ground, roadways, mowed or managed grass areas adjacent to a field, areas covered by the footprint of a building or planted agricultural fields with listed nonsusceptible crops (e.g., corn, small grains, etc.).

**Additional buffer requirements:** Consult EPA’s online Endangered Species Bulletins When using this product, you must follow the measures contained in the U.S. Environmental Protection Agency Endangered Species Bulletin for the area in which you are applying the product. To obtain bulletins, no more than six months before using this product, consult https://www.epa.gov/endangered-species or call 844-447-3813. You must use the bulletin valid for the month in which you will apply the product.

**Sensitive Crops**

Before applying, know where sensitive crops are, including non-dicamba-tolerant soybeans, non-dicamba-tolerant cotton, tomatoes, cucurbits, fruit trees, grapes and other broadleaf plants. Refer to your state’s sensitive-crop registry (if available) to identify commercial specialty or certified organic crops near your field. If you’ve identified a nearby sensitive crop, it’s OK to spray only if the wind is blowing away from that crop.

**Additional buffer requirements:** Consult EPA’s online Endangered Species Bulletins When using this product, you must follow the measures contained in the U.S. Environmental Protection Agency Endangered Species Bulletin for the area in which you are applying the product. To obtain bulletins, no more than six months before using this product, consult https://www.epa.gov/endangered-species or call 844-447-3813. You must use the bulletin valid for the month in which you will apply the product.

**Before Application**

**Preferred application window for FeXapan® herbicide**

VE VC V1 V2 V3 R1

You’ll find qualified tank-mix partners, nozzles and operating pressures at FeXapanApplicationRequirements.DuPont.com. Review the website no more than seven days prior to application for any updates.

FeXapan and FeXapan herbicide Plus VaporGrip Technology are Restricted Use Pesticides.
**Equipment Cleanout**

Before an application of FeXapan® herbicide Plus VaporGrip® Technology, start with clean equipment to remove potential contamination from prior products applied.

Always clean equipment right after spraying. Use the triple-rinse procedure detailed below and on the product label.

Small quantities of FeXapan may cause injury to crops that are not dicamba-tolerant. Improper cleaning can lead to inadvertent contamination.

**Sprayer Triple-rinse**

To prevent contamination, use this triple-rinse process and follow proper procedures for disposal.

**Rinse 1**

- Immediately after spraying, drain the sprayer (including boom and lines). Don’t allow the spray solution to remain in the spray boom lines overnight, prior to flushing.
- Flush tank, hoses, boom and nozzles with clean water. If equipped, open boom ends and flush.
- Inspect and clean all strainers, screens and filters.

**Rinse 2**

- Prepare a cleaning solution with a commercial detergent, sprayer cleaner or ammonia, per the manufacturer’s directions.
- Wash all parts of the tank, including the inside top surface.
- Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
- Flush hoses, spray lines and nozzles for at least one minute with the cleaning solution.
- Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
- Drain sump, filter and lines.

**Rinse 3**

- Rinse the complete spraying system with clean water.
- Clean and wash off the outside of the entire sprayer and boom.
- Dispose of all rinse water per local, state and federal guidelines.

Thorough cleanout includes special attention to sanitizing transfer and delivery equipment, such as pumps and other bulk handling or mixing equipment. Take care to keep all equipment free from contamination and consider segmenting equipment to prevent cross-contamination. Consider using block and check valves to avoid backflow during transfer. Piping should be reviewed to ensure there is not potential for product buildup. Dedicated nurse trucks and tender equipment should be used when possible.

**Record Keeping**

Every time you apply FeXapan® herbicide Plus VaporGrip® Technology, you must record it (within three days of application) – and keep the record for two years. **Note:** Some states have additional record-keeping requirements.

Download this record-keeping form from the website below.

**Resources**

FeXapanApplicationRequirements.DuPont.com

To find the resources you need for FeXapan® herbicide Plus VaporGrip® Technology, visit our website:

- Labels
- Record-keeping form
- Training opportunities and online modules
- Qualified tank-mix partners
- Qualified nozzle and pressure combinations
- State registrations

For product questions, inquiries or reporting suspected nonperformance of this product, call 800-258-3033 to speak with a customer information representative or go to www.corteva.us and complete a "Contact Us" form.
FeXapan and FeXapan herbicide Plus VaporGrip Technology are Restricted Use Pesticides. For retail sale to and use only by Certified Applicators and only for those uses covered by the Certified Applicator's certification. FeXapan herbicide Plus VaporGrip Technology is not registered for sale or use in all states.

DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO SOYBEANS WITH Roundup Ready 2 Xtend® technology unless you use a dicamba herbicide product that is specifically labeled for that use in the location where you intend to make the application. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO MAKE AN IN-CROP APPLICATION OF ANY DICAMBA HERBICIDE PRODUCT ON SOYBEANS WITH Roundup Ready 2 Xtend® technology, OR ANY OTHER PESTICIDE APPLICATION, UNLESS THE PRODUCT LABELING SPECIFICALLY AUTHORIZES THE USE. 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 soybeans with Roundup Ready 2 Xtend® technology.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Soybeans with Roundup Ready 2 Xtend® technology contain genes that confer tolerance to glyphosate and dicamba. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Roundup® Ready 2 Xtend® soybeans and VaporGrip® Technology are registered trademarks of Monsanto Technology LLC used under license.

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