

Engenia herbicide

technology sheet

dicamba-tolerant
soybeans

An advanced dicamba formulation with lower-volatility properties for improved broadleaf control in Roundup Ready 2 Xtend™ soybeans.

- New, more highly concentrated liquid formulation for easier handling and a lower use rate
- Effective resistance management tool for Group 2-, triazine-, and glyphosate-resistant biotypes

Active ingredient

Dicamba – Group 4

Formulation

Soluble liquid

One case contains

2 x 8.09 L jugs

Storage

Keep dry.

Crops

Roundup Ready 2 Xtend soybeans¹

Staging

pre-plant, pre-emergence,
post-emergence (up to early flower)

See the label for a complete list of other crops and applications.

Weeds controlled²

In-crop applications.

Buckwheat (tartary, wild)
Canada fleabane³
Canada thistle⁴
Cleavers
Corn spurry
Cow cockle
Field bindweed⁴
Green smartweed
Lady's thumb
Lamb's quarters
Mustards (including wild)
Perennial sow thistle⁴
Ragweed (common, false, giant)
Redroot pigweed
Russian pigweed
Velvetleaf

Weed control in Roundup Ready 2 Xtend soybeans with glyphosate alone versus Engenia™ plus glyphosate



Source: University of Guelph research trial, Ridgetown, ON, 2015

Weed control in Roundup Ready 2 Xtend soybeans with glyphosate alone versus Engenia plus glyphosate plus Integrity® plus Merge®



Source: University of Guelph research trial, Ridgetown, ON, 2015

¹ Apply by ground ONLY to Roundup Ready 2 Xtend soybeans. Soybean varieties that are not designated as dicamba-tolerant will be damaged or destroyed by this treatment.

² For a complete list of proper weed staging, please refer to the product label.

³ Post-emergence only.

⁴ Apply Engenia herbicide annually for three years at the flowering stage of bindweed and the budding stage of thistles.

 **BASF**

We create chemistry

Dicamba stewardship

There are several factors to consider when using a dicamba herbicide such as:

Nozzles – use nozzles to ensure extremely coarse to ultra-coarse droplets

Wind speed – spray when wind speeds are between 3 to 16 km/h

Ground speed – maintain sprayer speed at 25 km/h or less

Boom height – keep spray boom height no higher than 50 cm above the crop canopy

Sensitive crop awareness – identify neighbouring crop species

Application volume – use a minimum spray volume of 10 GPA

Additives/adjuvants – only use approved tank mixtures and adjuvants

Sprayer cleanout – triple rinse, use a detergent-based cleaner

⁵ See label for a complete list of additional available tank mixes and their rates. Tank-mix options are not included in the case.

⁶ See label for water rate application.

⁷ Engenia can be used alone or in tank mix with glyphosate for additional broadleaf and grass weed control. See label for important details.

⁸ For application to Roundup Ready 2 Xtend soybeans, apply Engenia using nozzles that deliver extremely coarse to ultra-coarse spray droplets.

⁹ The 400 ml/ac rate of Engenia is to be used only once a season and should be used pre-plant, pre-emergence or in-crop early post-emergence.

¹⁰ 793 ml/ac of Engenia is the maximum total to be applied in a single growing season.

¹¹ Only use glyphosate products registered for use in soybeans. Do not tank-mix Engenia with glyphosate products where glyphosate is present as an ammonium salt.

For more information:

Call **AgSolutions®** Customer Care at 1-877-371-BASF (2273)

Visit agsolutions.ca

Application rates

One case will treat 40 to 80 acres of Roundup Ready 2 Xtend soybeans, depending on rate used.

In-crop application^{5,6}

Roundup Ready 2 Xtend soybeans^{7,8,9,10} 200 ml/ac to 400 ml/ac
(500 ml/ha to 1000ml/ha)

Water volume

Ground application 40 L/ac (10 gal/ac) minimum
Use higher water volumes to ensure adequate coverage.⁶

Mixing order

1. Use a 50 mesh filter screen.
2. Fill clean tank with 1/2 of the required amount of clean water and agitate during the entire mixing procedure.
3. Add the required amount of Engenia herbicide.
4. If tank mixing, add the appropriate liquid tank-mix partner.
5. Add the rest of the water to the spray tank and maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

Application tips

Rainfastness – 4 hours.

Do not apply Engenia if the crop is under seeded to legumes.

Pre-harvest interval

For application to Roundup Ready 2 Xtend soybeans: 7 to 10 days for soybean forage and 13 to 15 days for soybean hay.

Follow crops

A plant-back interval of 120 days is required for all crops not on the Engenia label for Roundup Ready 2 Xtend soybeans.

Tank mixes

Herbicide for Roundup Ready 2 Xtend soybeans: Glyphosate¹¹

Contact **AgSolutions** Customer Care or your local BASF Sales Representative for additional information on supported tank mixes.

Always read and follow label directions.

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ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready 2 Xtend™ soybeans contain genes that confer tolerance to glyphosate and dicamba. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate, and those containing dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or call the Monsanto technical support line at 1-800-667-4944 for recommended Roundup Ready® Xtend Crop System weed control programs. Roundup Ready 2 Xtend™ and Roundup Ready® are trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee. © 2016 Monsanto Canada Inc.