

Engenia®

Herbicide

SUPPORTED BY THE



dicamba-tolerant
soybeans

An advanced dicamba formulation with lower volatility properties for improved broadleaf control in Roundup Ready 2 Xtend® and XtendFlex® soybeans.

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

Active ingredient

Dicamba – Group 4

Formulation

Solution

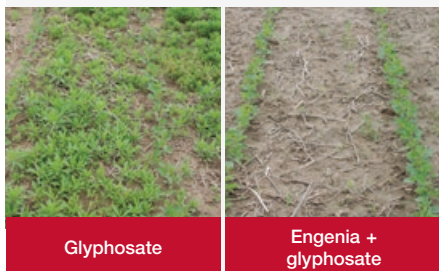
One case contains

2 x 8.09 L jugs
Also available in 121.2 L shuttle

Storage

Does not require heated storage.

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



On glyphosate-resistant Canada fleabane.
Source: University of Guelph research trial, Ridgeway, ON, 2015

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



On glyphosate-resistant Canada fleabane.
Source: University of Guelph research trial, Ridgeway, ON, 2015

Crops

Roundup Ready 2 Xtend® and XtendFlex® soybeans¹

Staging

pre-plant, pre-emergence, early post-emergence

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

Weeds controlled^{2,3}

Buckwheat (tartary, wild)
Canada fleabane⁴
Canada thistle⁵
Cleavers
Common chickweed^{6,7}
Corn spurry
Cow cockle
Eastern black nightshade⁷
Field bindweed⁵
Green smartweed
Hairy nightshade^{6,8}
Kochia⁹
Lady's thumb
Lamb's quarters
Mustards (including wild)¹⁰
Narrow-leaved hawk's beard^{6,7}
Perennial sow thistle⁵
Ragweed (common, false, giant)
Redroot pigweed
Russian pigweed
Velvetleaf
Volunteer canola^{6,11}

¹ Apply by ground ONLY to Roundup Ready 2 Xtend® and XtendFlex® 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 Controlled by Engenia alone at 194 to 400 ml/ac (0.48 to 1 L/ha).

⁴ Post-emergence only.

⁵ Apply Engenia annually for three years at the flowering stage of bindweed and the budding stage of thistles.

⁶ Suppression only.

⁷ Including biotypes resistant to Group 2.

⁸ When Engenia is applied at 283 to 400 ml/ac (0.7 to 1 L/ha).

⁹ Including biotypes resistant to Group 2 and 9.

¹⁰ Refer to label for mustard species controlled.

¹¹ Including conventional, Roundup Ready® and LibertyLink® cultivars, when Engenia is applied at 400 ml/ac (1 L/ha).

BASF

We create chemistry

Dicamba stewardship

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

Nozzles – use nozzles that deliver extremely coarse to ultra-coarse droplets

Wind speed – spray when wind speeds are between 3 to 15 km/h

Ground speed – maintain sprayer speed under 25 km/h (no aerial application)

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 as required or recommended on product label

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

For more information:

Call **AgSolutions** Customer Care at 1-877-371-BASF (2273) or visit agsolutions.ca/Engenia to learn more and access the Engenia Stewardship learning module.

Application rates

One case will treat 40 to 80 acres of Roundup Ready 2 Xtend® and XtendFlex® soybeans, depending on rate. One shuttle will treat 303 to 624 acres, depending on rate.

Pre-plant, pre-emergence and early post-emergence^{12,13}

Roundup Ready 2 Xtend® and XtendFlex® soybeans^{14,15,16,17} 194 ml/ac to 400 ml/ac (480 ml/ha to 1000 ml/ha)

Water volume

Ground application 40 L/ac (10 gal/ac) minimum

Use higher water volumes to ensure adequate coverage.¹³

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.
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.

Pre-harvest interval

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

Follow crops

For Roundup Ready 2 Xtend® and XtendFlex® soybeans, a plant-back interval of 120 days is required for all crops not on the Engenia label.

Tank mixes

Herbicide for Roundup Ready 2 Xtend® and XtendFlex® soybeans: Glyphosate¹⁸

Contact your local BASF **AgSolutions®** Grower or Retail Representative or call **AgSolutions** Customer Care at 1-877-371-BASF (2273) for additional information on supported tank mixes.

¹² See label for a complete list of additional available tank mixes and their rates. Tank-mix options are not included in the case.

¹³ See label for water rate application.

¹⁴ Engenia can be used alone or in tank mix with glyphosate for additional broadleaf and grassy weed control. See label for important details.

¹⁵ For application to Roundup Ready 2 Xtend® and XtendFlex® soybeans, apply Engenia using nozzles that deliver extremely coarse to ultra-coarse spray droplets.

¹⁶ 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.

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

¹⁸ 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.

Always read and follow label directions.

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