



# **WEEDS WEREN'T YOUR CHOICE.**

# **BUT A PRE-SEED SOLUTION CAN BE.**

At BASF, we have a large variety of pre-seed weed control solutions for a wide range of crops—and we want it to be easy for you to choose the best herbicide for your farm. That's why we've simplified the benefits of each one, depending on which crop you're growing, your major weed challenges and herbicide resistance issues.

Simply click on each tab to compare our pre-seed herbicides and see which one is the right fit for your farm. You can also quickly determine which herbicide you'll need for burndown with residual activity, as well as burndown or residual activity alone.

 **BASF**

We create chemistry





# Certitude®

Herbicide

## Crops

Canola

## Timing

Pre-seed

## Active ingredients

Bromoxynil – Group 6

Topramezone – Group 27

## Application rates/tips

40 acres/case

Tank mix with glyphosate.

Merge® surfactant is included in the case.



## Key weeds controlled<sup>1</sup>



Volunteer canola



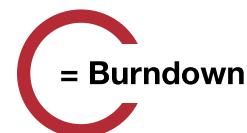
Kochia<sup>2</sup>



Lamb's quarters



Wild buckwheat



= Burndown



= Residual activity



= Burndown and residual activity

Weeds controlled

Certitude® herbicide controls biotypes of kochia resistant to Group 2, 4 and 9 and is part of the Advanced Weed Control Program.

<sup>1</sup> When applied with glyphosate (1 REL of glyphosate recommended).

<sup>2</sup> Including all resistant biotypes.

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**ADVANCED WEED CONTROL**

PROGRAM

# Smoulder®

Powered by **Kixor®** Herbicide



## Crops

Wheat, barley

## Timing

Pre-seed, post-harvest

## Active ingredients

Metsulfuron-methyl – Group 2

Saflufenacil – Group 14

## Application rates/tips

80 acres/case

Tank mix with glyphosate. Merge is included in the case.

## Weeds controlled

As a product made specifically for Western Canadian weeds, Smoulder® herbicide provides a burndown of weeds resistant to Group 2, 4 and 9 with residual on volunteer canola.

## Key weeds controlled



Volunteer canola  
(all types, incl. Roundup Ready®)<sup>1</sup>



Kochia<sup>2</sup>



Dandelion<sup>3</sup>



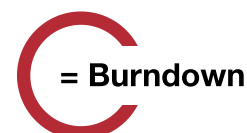
Cleavers



Narrow-leaved hawk's beard



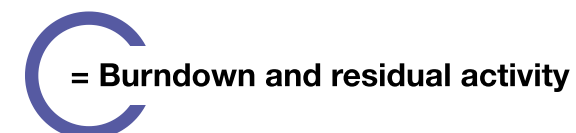
Canada thistle<sup>3</sup>



= Burndown



= Residual activity



= Burndown and residual activity

<sup>1</sup> Provides control of secondary flushes (including Roundup Ready® and LibertyLink®) in addition to burndown control of volunteer canola (all types).

<sup>2</sup> Including biotypes resistant to Group 2, 4 and 9.

<sup>3</sup> When applied with glyphosate. It is recommended that Smoulder only be used when tank mixed with glyphosate.





# Voraxor®

Powered by **Tirexor®** Herbicide



## Crops

Barley, field corn, lentils, peas (dried field), soybeans, wheat (incl. durum, spring and winter), chemfallow

## Timing

Pre-seed/pre-emergence

## Active ingredients

Saflufenacil – Group 14

Trifludimoxazin – Group 14

## Application rates/tips

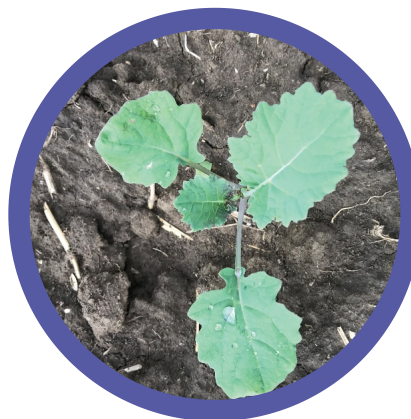
30-80 acres/case<sup>1</sup>

Tank mix with glyphosate. Merge is included in the case.

**Weeds controlled**

Voraxor® herbicide has a new Group 14 active ingredient for burndown of broadleaf weeds.

## Key weeds controlled



Volunteer canola  
(all types, incl. Roundup Ready®)<sup>2</sup>



Kochia<sup>2</sup>



Lamb's quarters<sup>2</sup>



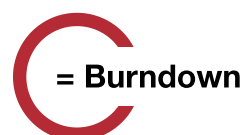
Cleavers<sup>2</sup>



Narrow-leaved hawk's beard



Stinkweed<sup>2</sup>



= Burndown



= Residual activity



= Burndown and residual activity

<sup>1</sup> One case will treat 80 acres for burndown and 30 to 40 acres for residual control.

<sup>2</sup> Apply Voraxor at a rate of 41.5-57 ml/ac (100-140 ml/ha) for suppression of secondary flushes.

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# Voraxor® Complete

Powered by **Tirexor®** Herbicide



## Crops

Field corn, lentils, peas  
(dried field), soybeans

## Timing

Pre-seed/pre-emergence

## Active ingredients

Saflufenacil – Group 14  
Trifludimoxazin – Group 14  
Pyroxasulfone – Group 15

## Application rates/tips

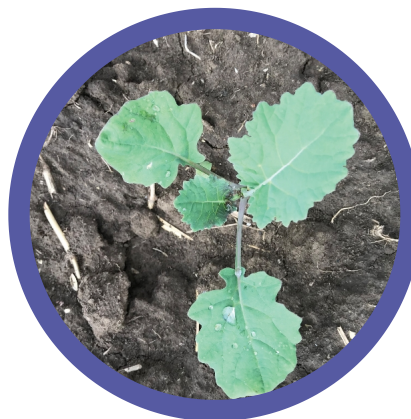
40-80 acres/case<sup>1</sup>

Tank mix with  
glyphosate. Merge is  
included in the case.

## Weeds controlled

Voraxor Complete offers a  
one-two punch by providing  
the most consistent pre-seed  
burndown and residual activity.

## Key weeds controlled



Volunteer canola<sup>2,3</sup>



Kochia<sup>2,4</sup>



Lamb's quarters<sup>2</sup>



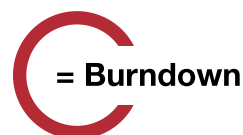
Cleavers<sup>2</sup>



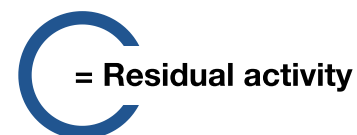
Foxtail  
(green, yellow)



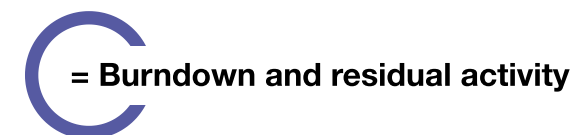
Wild oats



= Burndown



= Residual activity



= Burndown and residual activity

<sup>1</sup> One case will treat 40 to 80 acres for corn, peas (dried field) and soybeans, and 80 acres for lentils.

<sup>2</sup> Residual suppression (may be rate dependent).

<sup>3</sup> All herbicide-tolerant canola systems, including glyphosate-tolerant canola.

<sup>4</sup> Includes biotypes resistant to glyphosate and Group 2 and 4.

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## Always read and follow label directions.

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**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** It is a violation of federal law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED AND APPROVED FOR SUCH USES. Contact the Pest Management Regulatory Agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

**Roundup Ready® Technology** contains genes that confer tolerance to glyphosate. Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. **Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba.** LibertyLink® Technology contains genes that confer tolerance to glufosinate. **Roundup Ready 2 Xtend® 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. **Glufosinate** will kill crops that are not tolerant to glufosinate. Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs.

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