

# Liberty 200 SN herbicide

## technology sheet

An excellent management tool for rotating chemistries to help keep resistance out of your fields.

- Group 10 chemistry provides broad-spectrum control of broadleaf and grassy weeds, including glyphosate-resistant biotypes
- Flexible with respect to application timing, rates, and tank mixes
- Quick, complete burndown of weeds

### Active ingredient

Glufosinate ammonium –  
Group 10

### Concentration

200 g/L

### Formulation

Solution

### One case contains

2 x 10 L jugs  
Also available in 400 L tote

### Storage

Protect from freezing.

Quick, complete burndown



Untreated



Liberty® 200 SN herbicide

Zidua® SC herbicide applied pre-emergence followed by Liberty 200 SN.  
Source: BASF Small Plot Trials, London, ON, 2020, 7 days after post-emergence treatment.

### Liberty and Trait Agreement (LTA)

First time purchasers of LibertyLink canola need to sign a one-time LTA at their local retailer.

### Crops

Canola (LibertyLink® varieties only)  
Corn (LibertyLink varieties only)  
Soybeans (Enlist E3™ and XtendFlex® varieties only)

### Staging

cotyledon until prior to bolting<sup>1</sup>  
1 to 8 leaf<sup>1,2</sup>  
cotyledon to first flower<sup>1</sup>

### Weeds controlled

#### Broadleaf weeds

Canada fleabane<sup>3,4</sup>  
Canada thistle<sup>5</sup>  
Chickweed  
Cleavers<sup>4,6</sup>  
Cocklebur  
Common ragweed<sup>3</sup>  
Eastern black nightshade  
Field bindweed<sup>5</sup>  
Giant ragweed<sup>3,6</sup>  
Green pigweed  
Jimsonweed<sup>7</sup>  
Kochia<sup>3,4,8</sup>  
Lady's thumb  
Lamb's quarters  
Perennial sow thistle  
Redroot pigweed  
Shepherd's-purse  
Stinkweed  
Velvetleaf<sup>7</sup>  
Volunteer canola<sup>9</sup>  
Waterhemp<sup>3,10</sup>  
Wild buckwheat  
Wild mustard  
Wormseed mustard

### Staging

1 to 6 leaf (except where indicated)  
Up to 10 cm  
1 to 8 leaf  
Up to the 4-whorl stage  
1 to 4 leaf  
1 to 7 leaf  
1 to 5 leaf  
1 to 8 leaf  
Up to 10 cm  
1 to 4 leaf

#### Grasses

Barnyard grass  
Bristly foxtail  
Fall panicum  
Giant foxtail  
Green foxtail  
Large crabgrass  
Proso millet  
Quackgrass<sup>5,7</sup>  
Wild oats  
Witchgrass  
Yellow foxtail

1 to 4 leaf (except where indicated)  
1 to 5 leaf  
1 to 5 leaf  
1 to 5 leaf  
1 to 5 leaf  
1 to 5 leaf

<sup>1</sup> Apply when weeds are actively growing. <sup>2</sup> 5 to 6 visible collars (the leaf is counted once the next leaf is visible in the whorl). <sup>3</sup> Including glyphosate-resistant biotypes. <sup>4</sup> Including biotypes resistant to Group 2. <sup>5</sup> Season-long suppression. <sup>6</sup> Suppression only. <sup>7</sup> For enhanced activity, add ammonium sulphate to the tank at a rate of 6 L/ha (49% solution) or 3 kg/ha (99%). <sup>8</sup> Including biotypes resistant to Group 4. <sup>9</sup> Including conventional, Roundup Ready® and Clearfield® biotypes. <sup>10</sup> In corn and soybeans only. To control early flushes, an application of a registered pre-emergent herbicide, such as Zidua SC, is recommended.

**BASF**  
We create chemistry

# Liberty® 200 SN

Herbicide

## Application rates

**One case of Liberty 200 SN herbicide treats 20 acres. One tote treats 400 acres.**

Liberty 200 SN	1.0 L/ac (2.5 L/ha)
Ammonium sulfate (optional)	2.4 L/ac (6 L/ha)

## Water volume

Ground application	Minimum 80 L/ac (20 gal/ac)
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## Mixing order

1. Thoroughly clean sprayer with water containing detergent.
2. Fill clean spray tank 3/4 full of water. Start agitation system.
3. Add ammonium sulfate (if required)
4. Add the correct amount of Liberty 200 SN and continue to agitate until mixed.
5. **If tank mixing with Select® herbicide for canola:** Add ammonium sulfate, add Amigo®<sup>11</sup> adjuvant, then add Liberty 200 SN, agitate moderately, then add Select, in sequential order.
6. Continue agitation while adding the remaining amount of water.<sup>12</sup>

<sup>11</sup> Merge® adjuvant can be used in place of Amigo. The two adjuvants cannot be mixed together.

<sup>12</sup> Agitate moderately, as over-agitation may cause foaming.

## Application tips

**Rainfastness** – 4 hours.

Spray in the middle of the day in warm (over 10°C) and sunny conditions, and when weeds are small and actively growing.

Liberty 200 SN is a contact herbicide, therefore avoid applying when there is dew, use a higher water volume (20 gal/ac) and use nozzles that achieve a medium to coarse droplet size (250 to 350 microns) for optimal coverage.

## Pre-harvest interval

60 days after application (or last treatment when a second application has been made) for canola.

70 and 86 days after application for soybeans and corn, respectively.

## Follow crops

**Anytime after application (LibertyLink, Enlist E3™ or XtendFlex® varieties only):** Canola, field corn, soybeans

**70 days after application:** Barley, buckwheat, millet, oats, rye, sorghum, triticale, wheat

**120 days after application:** All other crops

## Tank mixes<sup>13</sup>

**Herbicides for LibertyLink canola:** Select

**Herbicides for LibertyLink corn:** Atrazine, Armezon®, Armezon PRO, Distinct®, Marksman®, Vios™ G3, Zidua SC

**Herbicides for Enlist E3™ and XtendFlex® soybeans:** Basagran® Forte, Enlist™ 1<sup>14</sup>, FirstRate™, Pursuit®, Zidua SC

<sup>13</sup> See label or contact AgSolutions® Customer Care or your local BASF Retail Representative for specific tank mix details.

<sup>14</sup> Can only be applied to Enlist E3™ soybeans; other soybean varieties will be damaged or destroyed by this treatment.

**For more information:** Call AgSolutions Customer Care at 1-877-371-BASF (2273) or visit [agsolutions.ca](http://agsolutions.ca).

## 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.

**Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate 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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