

# Integrity herbicide

## technology sheet

**Broad-spectrum weed control to give corn and soybeans a weed-free start.**

- Early-season control of key grass and broadleaf weeds
- Unique mode of action for control of velvetleaf
- For use on corn and soybeans with excellent follow-crop flexibility
- Multiple modes of action to help control resistant weed biotypes

### Active ingredients

Saflufenacil – Group 14  
Dimethenamid-P – Group 15

### Formulation

Emulsifiable concentrate

### One case contains

2 x 9 L jugs  
Also available as 450 L tote

### Storage

Store in a cool, dry, ventilated area.



On glyphosate-resistant Canada fleabane.  
Source: BASF research trial, Ridgeway, ON, 2014



Source: Research trials, Ridgeway, ON, 2009

### Crops

Corn (field and sweet)

Soybeans

### Staging

pre-plant<sup>1</sup>, pre-plant incorporated, pre-emergence

pre-plant<sup>1</sup>, pre-emergence<sup>1</sup>

### Weeds controlled

#### In corn<sup>2</sup>

##### Broadleaves

Common ragweed  
Eastern black nightshade<sup>3</sup>  
Lamb's quarters  
Redroot pigweed  
Velvetleaf  
Wild buckwheat  
Wild mustard

##### Grasses

Barnyard grass  
Crabgrass (large, smooth)  
Fall panicum  
Foxtail (giant, green, yellow)  
Old witchgrass  
Yellow nutsedge<sup>3</sup>

#### In soybeans

##### Broadleaves

Broadleaf plantain  
Canada fleabane<sup>4</sup>  
Common ragweed<sup>4</sup>  
Dandelion<sup>5</sup>  
Giant ragweed  
Lady's thumb  
Lamb's quarters  
Perennial sow thistle<sup>6</sup>  
Prickly lettuce<sup>7</sup>  
Redroot pigweed  
Shepherd's-purse  
Stinkweed  
Wild buckwheat  
Wild mustard

##### Grasses

Barnyard grass<sup>8</sup>  
Crabgrass (large)<sup>8</sup>  
Foxtail (green, yellow)<sup>8</sup>

<sup>1</sup> Apply in tank mix with glyphosate. <sup>2</sup> Weeds listed are controlled when Integrity is applied at the full label rate of 0.45 L/ac.

<sup>3</sup> Pre-plant incorporated only. <sup>4</sup> Includes glyphosate-resistant biotypes. <sup>5</sup> Suppression only. <sup>6</sup> Top growth burndown control only.

<sup>7</sup> Top growth only. <sup>8</sup> Early-season suppression.

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## Application rates

**One case treats 40 to 120 acres, depending on rate.**

**One tote treats 1,000 to 3,000 acres.**

Corn	Full rate <sup>9</sup>	0.45 L/ac (1.1 L/ha)
	Set-up rate <sup>10</sup>	0.3 L/ac (0.75 L/ha)
Soybeans	Soybean rate <sup>1</sup>	0.15 L/ac (0.37 L/ha)
	Merge	0.4 L/ac (1 L/ha)

## Water volume

Ground application 40 to 80 L/ac (10 to 20 gal/ac)

<sup>9</sup> Use full rate, tank mixed with glyphosate for early pre-plant. Use full rate of Integrity alone for pre-plant incorporated and pre-emergent applications. <sup>10</sup> This reduced rate should be used at pre-emergence, when an in-crop application of glyphosate is planned for glyphosate-tolerant corn. See label for weeds controlled.

## Mixing order

1. Fill clean spray tank 1/2 full of water or liquid fertilizer (corn only, see label) and start agitation system.
2. If using a tank-mix partner, add correct amount to tank and continue agitation until thoroughly dispersed.  
Do not add a wettable powder or water dispersible granules to liquid fertilizer.
3. Add the correct amount of Integrity while continuing agitation.
4. If tank mixing with glyphosate, add the correct amount and continue agitation.
5. For applications to soybeans, add the correct amount of Merge adjuvant.
6. Continue agitation while filling the spray tank with the remaining amount of water or liquid fertilizer.
7. Maintain continuous and constant agitation until spraying is complete.
8. Immediately after use, thoroughly clean the sprayer.

## Application tips

Do not apply the full rate of Integrity to sweet corn on coarse soils as injury may occur.

For corn, a nitrogen solution or complete liquid fertilizer carrier may be used as a replacement for water for use in pre-plant incorporated or pre-emergent applications. Do not apply Integrity in liquid fertilizer to soybeans. Refer to label for additional details.

For pre-plant incorporated, do not incorporate Integrity more than 3 cm deep.

## Pre-harvest interval

60 days after application for sweet corn or soybeans.

100 days after application for field corn.

## Follow crops<sup>11</sup>

<b>Anytime after application</b>	Field and sweet corn
<b>100 days after application</b>	Cereals other than corn
<b>11 months after application</b>	All other crops
<b>22 months after application</b>	Peppers, onions, sugar beets

<sup>11</sup> See product label for more information on follow-crop restrictions at different application rates.

## Tank mixes

**Herbicide:** Glyphosate (pre-plant applications in corn and soybeans or pre-emergent applications in soybeans)  
Contact **AgSolutions®** Customer Care or your local BASF **AgSolutions** Retail Representative for information on supported tank mixes.

**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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