

# Optill herbicide

## technology sheet

### Rapid burndown with residual control for cleaner fields in glyphosate-tolerant soybeans.

- Plant into cleaner fields earlier for a better crop start.
- Residual activity keeps fields weed-free during early crop development.
- Multiple modes of action.
- Helps manage tough-to-control and resistant weeds.

#### Active ingredients

Imazethapyr – Group 2  
Saflufenacil – Group 14

#### Formulation

Water dispersible granules

#### One case contains

6 x 1.19 kg jugs Optill®

#### Storage

Store in cool, dry, well-ventilated area.

#### Crops

Glyphosate-tolerant soybeans

#### Staging<sup>1</sup>

pre-plant, pre-emergence

#### Weeds controlled

##### Broadleaves

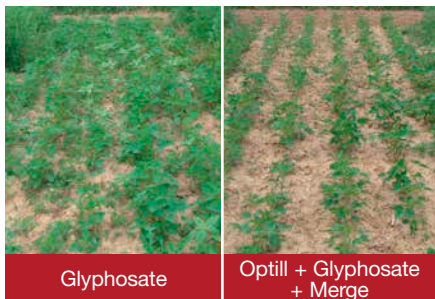
Broadleaf plantain  
Canada fleabane<sup>2</sup>  
Common chickweed  
Common ragweed<sup>2,3,4</sup>  
Dandelion<sup>5</sup>  
Giant ragweed<sup>2,6</sup>  
Lady's thumb<sup>6</sup>  
Lamb's quarters<sup>3,4</sup>  
Perennial sow thistle<sup>6,7</sup>  
Prickly lettuce<sup>8</sup>  
Redroot pigweed<sup>3,4</sup>  
Shepherd's purse  
Stinkweed<sup>6</sup>  
Wild buckwheat<sup>6</sup>  
Wild mustard<sup>6</sup>

##### Maximum weed staging

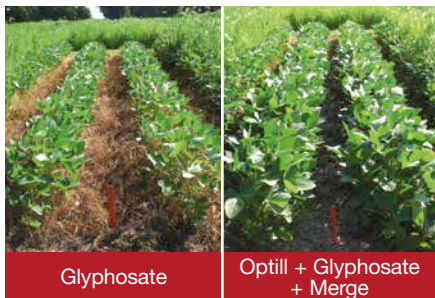
beginning of flower  
20 leaf  
8 leaf  
8 leaf  
6 leaf  
8 leaf  
6 leaf  
8 leaf  
8 leaf  
9 leaf  
8 leaf  
full flower  
full flower  
6 leaf  
8 leaf

##### Grasses

Barnyard grass<sup>9</sup>  
Crabgrass (large)<sup>9</sup>  
Foxtail (green, yellow)<sup>3,9</sup>



Comparative control – 30 days after treatment  
Source: BASF Research Authorization trials, Bryanston, ON, 2011



Residual control – burndown followed by glyphosate  
Source: BASF Research Authorization trials, Ridgeway, ON, 2012

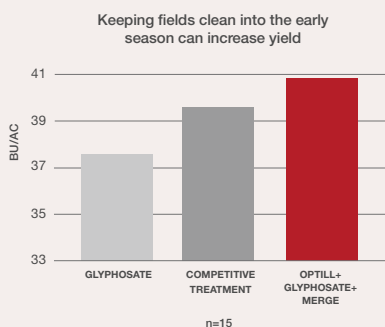
<sup>1</sup> In no-till or vertical tillage operations. <sup>2</sup> Includes glyphosate-resistant biotypes. <sup>3</sup> Adequate residual control may not be achieved on Group 2-resistant biotypes. <sup>4</sup> Includes control of triazine-resistant biotypes. <sup>5</sup> Suppression only. <sup>6</sup> Burndown only. <sup>7</sup> Top growth burndown only. <sup>8</sup> Top growth only. <sup>9</sup> Burndown and residual suppression only.

## Optill activity

Powered by Kixor®, Optill uses Group 14 and Group 2 active ingredients that complement glyphosate to provide a faster, more complete burndown than glyphosate alone. The residual power in Optill is effective into early crop development allowing increased time and flexibility to apply a second, in-crop application of glyphosate.

## The proof is in the yields

Using Optill to keep your fields clear of weeds during crop emergence is critical for crop development and can increase yield by 2 – 3 bu/ac.



Source: BASF Research Trials, 2011-2012

## For more information

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

Visit: [agsolutions.ca](http://agsolutions.ca)

## Application rates

**One case will treat 120 acres.**

Pre-plant/pre-emergence	Optill	60 g/ac (147 g/ha)
Ground surface application	Water volume	40 – 80 L/ac (100 – 200 L/ha)
	Merge® adjuvant <sup>10</sup>	0.40 L/ac (1.0 L/ha)

<sup>10</sup> Addition of Merge adjuvant (not included) is required for optimum activity.

## Mixing order

1. Fill clean spray tank 1/2 full of clean water and start agitation system.
2. Using a calibrated measuring device, add the correct amount of Optill and continue to agitate.
3. Add the correct amount of glyphosate while continuing agitation.
4. Add the correct amount of Merge adjuvant to the tank last.
5. Continue agitation while filling the spray tank with the remaining amount of water.
6. Continue to agitate or run the by-pass system.

## Application tips

**Rainfastness** – 3 hours after application.

Residual pre-plant or pre-emergent applications of Optill must be activated by at least 1/2 inch of rainfall or sprinkler irrigation prior to weed seedling emergence.

Use higher water volume on dense weeds and thicker canopies.

## Pre-harvest interval

100 days after application.

## Follow crops

**Same season** (In case of crop failure<sup>11</sup>.)

Soybeans

Wheat (winter)<sup>12</sup>

**1 year after application**

Barley (spring)

Soybeans

Corn (field)

Wheat (spring, winter)<sup>12</sup>

Dry beans

<sup>11</sup> A second application of Optill cannot be made in the rescue crop.

<sup>12</sup> Winter wheat may be re-planted in cases of crop failure or as a rotational crop 100 days following an Optill application. Soil preparation for re-planting should be no deeper than 10 cm.

## Tank mixes

**Herbicide:** Glyphosate

For other tank mixes, please see respective product labels or call **AgSolutions®** Customer Care for a listing of other supported tank mixes.

## Always read and follow label directions.

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