

Heat herbicide technology sheet

pre-seed/pre-emergence
chemfallow

For the ultimate pre-seed burndown.

- Fast, consistent weed control up to the 8 leaf stage.
- Heat® herbicide complements and improves your glyphosate application.
- Broadleaf weed control in as few as 4 days.¹
- Unique, Group 14 chemistry for control of resistant weeds.

Active ingredients

Saflufenacil – Group 14

Formulation

Water soluble granular

One case contains

8 x 844 g bottles of Heat herbicide

Storage

Store in cool, dry, ventilated area.

Resistant kochia before and 7 days after application of Heat plus glyphosate and Merge®



Untreated



Heat + glyphosate + Merge

Source: BASF Internal trials, 2010

Crops and staging

Apply at pre-seed, pre-emergence (before ground crack)

Barley	Lentils
Canary seed	Tame oats
Chickpeas (kabuli)	Soybeans
Corn (field, sweet)	Wheat (spring, winter, durum)
Field peas	

Apply prior to mid-June

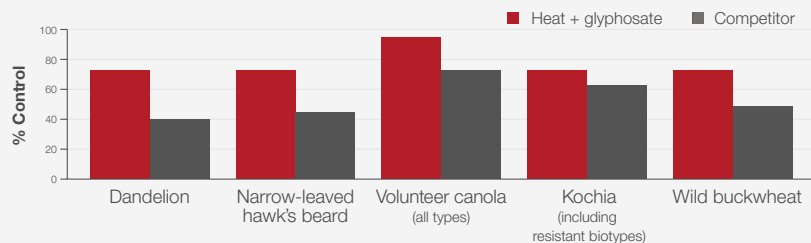
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Weeds controlled and staging

Broadleaves up to 8 leaf (except where indicated)

Canada fleabane	Redroot pigweed ²
Cleavers ² (4 whorls)	Round-leaved mallow
Dandelion ³ (15 cm height)	Stinkweed ²
Flixweed	Volunteer canola ^{2,5}
Kochia ⁴ (15 cm height)	Wild buckwheat ²
Lamb's quarters	Wild mustard ²
Narrow-leaved hawk's beard (8 cm height)	

Comparison of weed control 4 days to 2 weeks after application of Heat and glyphosate vs competitor



Source: AgSolutions® Performance Trials, 2009, n=97

¹ Depending on growing conditions.

² For suppression of secondary flushes, use higher application rate of 29 g/ac (71 g/ha).

³ Top growth control only when Heat is tank mixed with glyphosate.

⁴ Includes Group 2-resistant and glyphosate-resistant biotypes.

⁵ All herbicide-tolerant canola systems including glyphosate-tolerant canola.

Dandelion before and 7 days after application of Heat plus glyphosate and Merge



Untreated



Heat + glyphosate + Merge

Source: BASF Internal trials, 2010

Glyphosate-tolerant canola before and 7 days after application of Heat plus glyphosate and Merge



Untreated



Heat + glyphosate + Merge

Source: BASF Internal trials, 2010

For more information:

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

Visit agsolutions.ca

Application rates

One case of Heat herbicide will treat 240 to 640 acres, depending on crop.

Barley, canary seed, chickpeas (kabuli), corn (field, sweet ⁶), field peas, tame oats, wheat (spring, winter, durum)	10.5 to 29 g/ac (26 to 71 g/ha)
Lentils ⁷ , soybeans ^{7,8}	10.5 g/ac (26 g/ha)
Chemfallow	10.5 to 29 g/ac (26 to 71 g/ha)

All applications

(Option 1) Glyphosate ⁹ (360 g ae/L)	0.51 to 1 L/ac (1.25 to 2.5 L/ha)
(Option 2) Glyphosate ⁹ (540 g ae/L)	0.33 to 0.66 L/ac (0.83 to 1.67 L/ha)
Merge or MSO [®] adjuvant ^{9,10}	200 ml/ac (0.5 L/ha)

Water volume

Ground application only	20 to 40 L/ac (5 to 10 gal/ac)
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⁶ Some sweet corn hybrids may be sensitive to saflufenacil and injury may occur.

⁷ Do not use rates higher than 10.5 g/ac (26 g/ha) or injury could result.

⁸ Some soybeans cultivars may be sensitive to saflufenacil and injury may occur.

⁹ Glyphosate, Merge adjuvant and MSO adjuvant are not included in the case. Addition of an adjuvant is required for optimum activity.

¹⁰ MSO adjuvant is not on the current label but has been submitted for registration and is supported.

Mixing order

1. Fill clean spray tank 1/2 full of clean water and start agitation.
2. Add the correct amount of Heat herbicide and continue to agitate until fully dissolved.
3. Add the correct amount of glyphosate while continuing agitation.
4. Add the correct amount of Merge or MSO adjuvant to the tank last.
5. Continue agitation while adding the remaining amount of water.
6. Continue agitation or run the by-pass system.

Application tips

Rainfastness – Heat is extremely rainfast and is only limited by glyphosate. Follow the glyphosate manufacturer's recommendation for rainfast guidelines. Use a minimum water volume of 20 L/ac (5 gal/ac) to maximize coverage. If weeds are large or densities are high, use a minimum water volume of 40 L/ac (10 gal/ac).

Pre-harvest interval

60 days for all pre-seed applications.

Follow crops

1 year after application

All crops, 1 year after a spring, pre-seed application.

Tank mixes

Herbicide: Glyphosate

Always read and follow label directions.

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