Heat herbicide
technology sheet

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.

Crops and staging
Apply at pre-seed, pre-emergence (before ground crack)
Barley
Canary seed
Chickpeas (kabuli)
Corn (field, sweet)
Field peas
Lentils
Tame oats
Soybeans
Wheat (spring, winter, durum)

Apply prior to mid-June
Chemfallow

Weeds controlled and staging
Broadleafs up to 8 leaf (except where indicated)
Canada fleabane
Cleavers² (4 whorls)
Dandelion³ (15 cm height)
Flixweed
Kochia⁴ (15 cm height)
Lamb’s quarters
Narrow-leaved hawk’s beard (8 cm height)
Redroot pigweed²
Round-leaved mallow
Stinkweed²
Volunteer canola²,⁵
Wild buckwheat²
Wild mustard²

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.

Source: BASF Internal trials, 2010

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

Source: AgSolutions⁶ Performance Trials, 2009, n=97

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Source: BASF Internal trials, 2010
**Application rates**

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

Barley, canary seed, chickpeas (kabuli), corn (field, sweet), field peas, tame oats, wheat (spring, winter, durum)  
10.5 to 29 g/ac (26 to 71 g/ha)

Lentils, soybeans  
10.5 g/ac (26 g/ha)

Chufa (tsamma melon)  
10.5 to 29 g/ac (26 to 71 g/ha)

**All applications**

(Option 1) Glyphosate (360 g ae/L)  
0.51 to 1 L/ac (1.25 to 2.5 L/ha)

(Option 2) Glyphosate (540 g ae/L)  
0.33 to 0.66 L/ac (0.83 to 1.67 L/ha)

Merge or MSO® adjuvant  
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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