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

Storage
Store in cool, dry, ventilated area.

Crops and staging
Apply at pre-seed, pre-emergence (before ground crack), pre-plant incorporated
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
Cleavers (4 whorls)
Dandelion² (15 cm height)
Kochia³ (15 cm height)
Lamb’s quarters
Narrow-leaved hawk’s beard (8 cm height)
Redroot pigweed⁴
Round-leaved mallow
Stinkweed⁴
Volunteer canola⁴,⁵
Wild buckwheat⁴
Wild mustard⁶

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 Top growth control only when Heat is tank mixed with glyphosate.
³ Includes Group 2-resistant and glyphosate-resistant biotypes.
⁴ For suppression of secondary flushes, use higher application rate of 28.4 g/ac (71 g/ha).
⁵ All herbicide-tolerant canola systems including glyphosate-tolerant canola.

Source: BASF internal trials, 2010

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

One case of Heat herbicide will treat 235 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 28.4 g/ac (26 to 71 g/ha)

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

Chemfallow  
10.5 to 28.4 g/ac (26 to 71 g/ha)

All applications

(Option 1) Glyphosate9 (360 g ae/L) 0.51 to 1 L/ac (1.25 to 2.5 L/ha)

(Option 2) Glyphosate9 (540 g ae/L) 0.33 to 0.66 L/ac (0.83 to 1.67 L/ha)

Merge adjuvant9 200 ml/ac (500 ml/ha)

Water volume

Ground application only 20 to 40 L/ac (50 to 100 L/ha)

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 soybean cultivars may be sensitive to saflufenacil and injury may occur.
9 Glyphosate and adjuvant (required for optimum activity) are not included in the case.

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 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 to maximize coverage.

If weeds are large or densities are high, use a minimum water volume of 40 L/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

For more information:

Call AgSolutions® Customer Care at 1-877-371-BASF (2273)
Visit agsolutions.ca

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