

Heat LQ herbicide

technology sheet

pre-seed burndown

The ultimate pre-seed burndown in a new, easy-to-use liquid formulation.

- Rainfast and quickly absorbed for fast, complete weed control even under cool conditions.
- Heat® LQ herbicide complements and improves your glyphosate application.
- Broadleaf weed control in as few as 3 to 5 days.¹
- Group 14 chemistry for control of Group 2 and glyphosate-resistant weeds.

Active ingredients

Saflufenacil – Group 14

Formulation

Water-based suspension concentrate

One case contains

1.73 L jug of Heat LQ herbicide
2 x 8.1 L jugs of Merge® adjuvant

Storage

Protect from freezing.
Store in cool, ventilated area.

Crops

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

Staging

pre-seed and pre-emergence
(before ground crack)

apply to actively growing weeds

Weeds controlled

Broadleaves

Canada fleabane²
Chickweed
Cleavers³
Dandelion⁴
Flixweed
Kochia²
Lamb's quarters
Narrow-leaved hawk's beard
Redroot pigweed³
Round-leaved mallow
Russian thistle
Sow thistle (annual, spiny)
Stinkweed³
Volunteer canola^{3,5}
Wild buckwheat³
Wild mustard³

Staging

8 leaf
(except where indicated)

(4 whorls)
(15 cm height)

(15 cm height)

(8 cm height)

¹ Depending on growing conditions.

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

³ For suppression of secondary flushes, use higher application rate of 59 ml/ac (146 ml/ha).

⁴ Top growth burndown control only of perennial plants, control of spring germinating plants.

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



The Chemical Company

Comparison of volunteer Roundup Ready® canola after a pre-seed application of Heat LQ plus glyphosate plus Merge



Glyphosate only



Heat LQ + glyphosate + Merge

Source: BASF Research Authorization trial, Westlock, AB, 2014

Comparison of dandelion after a pre-seed application of Heat LQ plus glyphosate plus Merge



Glyphosate only



Heat LQ + glyphosate + Merge

Source: BASF Research Authorization trial, Stoughton, SK, 2014

For more information:

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

Visit agsolutions.ca

Application rates

One case of Heat LQ herbicide will treat 30 to 80 acres, depending on rate used.

Barley, canary seed, chickpeas (kabuli), corn (field, sweet ⁶), field peas, tame oats, wheat (spring, winter, durum)	21.5 to 59 ml/ac (53 to 146 ml/ha)
Lentils ⁷ , soybeans ^{7,8}	21.5 ml/ac (53 ml/ha)
Chemfallow	21.5 to 59 ml/ac (53 to 146 ml/ha)

All applications

Glyphosate ⁹ (360 g ae/L)	0.5 to 1 L/ac (1.25 to 2.5 L/ha)
Merge adjuvant ¹⁰	200 ml/ac (500 ml/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 21.5 ml/ac (53 ml/ha) or injury could result. See label for details.

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

⁹ Glyphosate (required for optimum activity) is not included in the case.

¹⁰ Merge adjuvant is required and is included with Heat LQ herbicide.

Mixing order

1. Fill clean spray tank 1/2 full of clean water and start agitation.
2. Add the correct amount of Heat LQ herbicide and continue to agitate until mixed.
3. If tank mixing, add the correct amount of glyphosate while continuing agitation.
4. Add the correct amount of Merge adjuvant to the tank last. If excess foaming occurs, a silicone anti-foaming agent may be added (e.g. Halt®).
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 and pre-emergent applications.

Follow crops

1 year after application

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

Tank mixes

Herbicide: Glyphosate

Contact **AgSolutions** Customer Care or your local BASF Sales Representative for additional information on supported tank mixes.

Always read and follow label directions.

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