

Heat LQ herbicide

technology sheet

The ultimate pre-seed/pre-emergent 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 days¹
- Group 14 chemistry for control of Group 2- and glyphosate-resistant weeds

Active ingredient

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
Also available as a tote
(4 x 10.79 L Heat LQ and
400 L Merge)

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
Cleavers³
Dandelion⁴
Flixweed
Kochia²
Lady's thumb⁵
Lamb's quarters
Narrow-leaved hawk's beard
Perennial sow thistle^{5,6}
Prickly lettuce^{5,6}
Ragweed (common, giant)⁵
Redroot pigweed³
Round-leaved mallow
Shepherd's-purse⁵
Stinkweed³
Volunteer canola^{3,7}
Wild buckwheat³
Wild mustard³

Staging

8 leaf
(except where indicated)

(4 whorls)
(15 cm height)

(15 cm height)
(6 leaf)

(8 cm height)

(9 leaf)

(full flower)

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 For rapid burndown control, use a higher application rate of 29.5 ml/ac (73 ml/ha).

⁶ Top growth burndown control only.

⁷ All herbicide-tolerant canola systems including glyphosate-tolerant canola.

 **BASF**

We create chemistry

Heat® LQ

Powered by **Kixor®** Herbicide

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. One tote treats 2,000 acres for lentils and soybeans and 730 to 2,000 acres for all other crops.

Barley, canary seed, chickpeas (kabuli), corn (field, sweet ⁸), field peas, tame oats, wheat (spring, winter, durum)	21.5 to 59 ml/ac (53 to 146 ml/ha)
Lentils ⁹	21.5 ml/ac (53 ml/ha)
Soybeans ¹⁰	21.5 to 29.5 ml/ac (53 to 73 ml/ha)
Chemfallow	21.5 to 59 ml/ac (53 to 146 ml/ha)

All applications

Glyphosate ¹¹ (360 g ae/L)	0.5 to 1 L/ac (1.25 to 2.5 L/ha)
Merge adjuvant ¹²	200 to 400 ml/ac (0.5 to 1 L/ha)

(At the higher Heat LQ application rates (30 or 40 acres per case), BASF recommends using Merge at the higher rate (400 ml/ac). Use both Merge jugs included in the case regardless of the Heat LQ rate. Use all Merge in the tote when applying at 2,000 acres per tote.)

Water volume

Ground application only	20 to 40 L/ac (5 to 10 gal/ac)
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⁸ Some sweet corn hybrids may be sensitive to saflufenacil and injury may occur. ⁹ Do not use rates higher than 21.5 ml/ac (53 ml/ha) or injury could result. See label for details. ¹⁰ Do not use rates higher than 29.5 ml/ac (73 ml/ha) or crop injury may result. See label for details. Some soybeans cultivars may be more sensitive to saflufenacil and injury may occur. ¹¹ Glyphosate (required for optimum activity) is not included in the case. ¹² 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. 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 LQ is very rainfast and limited only by the glyphosate manufacturer's rainfast guidelines.

Frost – For frosts above -4°C, spray next day if at least 4 hours of 10°C are expected after spraying. For frosts below -4°C, wait 1 to 2 days then assess plant damage. At least 60% green tissue remaining is needed for spraying.

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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