

Heat LQ herbicide technology sheet

pre-harvest

Faster harvest. Better weed control.

- Easy-to-use liquid formulation for fast dry down of crops and broadleaf weeds
- Improved crop uniformity and harvestability
- Tank mixed with glyphosate, for fast broadleaf weed dry down and cleaner fields next season
- Facilitates straight cutting canola

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

Harvest aid

Canola

Chickpeas

Dry common beans²,
soybeans

Field peas

Red lentils³

Sunflowers⁴

Staging¹

Apply when the crop has reached 80% seed-colour change.

Apply when majority of plants are mature with only the upper part remaining green. Seed moisture is 30% or less. Majority of Desi type seeds are yellow/brown, and Kabuli type seeds are tan/white.

Apply when stems are green to brown, pods are mature (yellow, brown) and 80 to 90% of leaves have dropped.

Apply when about 75% of pods have dried down (changed colour).

Apply when bottom 15% of pods are mature and brown with ripened seeds. The bottom pods should rattle when shaken.

Apply when the backs of the heads and bracts are turning yellow, and seed moisture is 20 to 30%.

Pre-harvest weed management

Barley⁵, triticale,
wheat (spring, durum, winter)

Hard dough stage with less than 30% moisture. A thumbnail impression remains on seed.

Maximum Residue Limits

Please note: At the time of printing (2020), BASF has not fully established import tolerances (maximum residue limits (MRLs)) for flax and mustard for all markets around the world. Because these crops are heavily exported, and some exports are made to markets where these MRLs have not been established, **BASF does not recommend the use of Heat LQ as a harvest aid on flax and mustard for the 2020 season.**

Canola, 16 days after an application



Glyphosate only

Heat LQ + glyphosate
+ Merge

Source: AgSolutions® Performance Trials, Swan River, MB, 2015

¹ Heat LQ herbicide must be applied after physiological maturity (less than 30% seed moisture).

² When tank mixed with glyphosate, consult glyphosate label or your BASF Sales Representative for information regarding use on specific varieties of dry common beans.

³ Heat LQ is supported for pre-harvest use on red lentil varieties only. DO NOT apply Heat LQ pre-harvest to green lentils. Please check with your grain buyer prior to the pre-harvest application of Heat LQ in red lentils.

⁴ Glyphosate is not registered for pre-harvest use in sunflowers. For sunflowers, use Heat LQ as a standalone product only.

⁵ BASF supports the use of Heat LQ herbicide for pre-harvest on feed barley only.

 **BASF**

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Application rates

One case of Heat LQ herbicide tank mixed with glyphosate will treat 40 acres. One tote treats 1,000 acres.

Heat LQ tank mixed with glyphosate rate	43 ml/ac (106 ml/ha)
Glyphosate ⁶ (360 g ae/L)	1.0 L/ac (2.5 L/ha)
Merge adjuvant ⁷	200 to 400 ml/ac (0.5 to 1 L/ha)

(Heat LQ should always be tank mixed with glyphosate.)

(Use all Merge included in the case or tote of Heat LQ.)

Water volume

Ground application 40 L/ac (10 gal/ac) minimum

(BASF recommends using higher water volumes for best results, specifically on canola.)

Aerial application⁸ 20 L/ac (5 gal/ac)

⁶ Glyphosate is not included in the case.

⁷ Merge adjuvant is required and is included with Heat LQ herbicide. Use all Merge included in the case.

⁸ Heat LQ is registered for aerial applications. Some glyphosate formulations are also registered for aerial applications; therefore Heat LQ plus glyphosate can be applied through aerial applications when both products have aerial registrations.

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.
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 extremely rainfast and is only limited by glyphosate.

Follow the glyphosate manufacturer's recommendation for rainfast guidelines.

Pre-harvest interval

2 days after application for chickpeas and dry common beans.

3 days after application for barley, canola, field peas, red lentils, soybeans, triticale and wheat.

7 days after application for sunflowers.

Follow crops

In the spring following a fall application.

Barley (spring, malt, winter)	Flax
Canary seed	Lentils
Canola (all types incl. Clearfield ® canola)	Oats
Chickpeas	Soybeans
Corn (field, sweet)	Wheat (spring incl. Clearfield wheat, winter, durum)
Field peas	

Tank mixes

Herbicide: Glyphosate

Note: Consult glyphosate label for more information including pre-harvest interval and staging.

Contact **AgSolutions** Customer Care or your **AgSolutions** Representative for more information on supported tank mixes.

For more information: Call **AgSolutions** Customer Care at 1-877-371-BASF (2273) or visit agsolutions.ca.

Always read and follow label directions.

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