Heat LQ herbicide technology sheet

Cut straight to an easier harvest.
- Consistent crop and weed dry down
- Cleaner fields the following spring
- Easier crop cutting, more bushels per hour and increased fuel efficiency with less dockage

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
Requires heated storage.

Crops

**Harvest aid**

- **Canola**

- **Chickpeas**

- **Dry common beans**

- **Soybeans**

- **Field peas**

- **Flax**

- **Red lentil**

- **Sunflowers**

**Staging**

- **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 75 to 80% of bolls are brown and when seed moisture is less than 30%.**

- **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**

- **Barley**, triticale, wheat (spring, durum, winter) Hard dough stage with less than 30% moisture. A thumbnail impression remains on seed.

Refer to the Heat LQ pre-harvest crop staging guide for recommendations on each registered crop when you visit **agsolutions.ca/HeatLQStaging**.

Maximum Residue Limits
Please note: At the time of printing (2022), BASF has not fully established import tolerances (maximum residue limits (MRLs)) for mustard for all markets around the world. Because this crop is 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 mustard for the 2022 season.**

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1 Heat LQ herbicide must be applied after physiological maturity (less than 30% seed moisture).
2 Consult with buyer prior to application as the Keep It Clean 2022 Product Advisory indicates caution for glyphosate applications on all pulse crops except red lentils.
3 When tank mixed with glyphosate, consult glyphosate label or your BASF Sales Representative for information regarding use on specific varieties of dry common beans.
4 Glyphosate is not supported for pre-harvest use on flax for the 2022 season. Use Heat LQ as a standalone product only.
5 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.
6 Glyphosate is not registered for pre-harvest use in sunflowers. Use Heat LQ as a standalone product only.
7 BASF supports the use of Heat LQ herbicide for pre-harvest on feed barley only.
**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\(^8\) (360 g ae/L) 1.0 L/ac (2.5 L/ha)
Merge adjuvant\(^9\) 200 to 400 ml/ac (0.5 to 1 L/ha)

(Heat LQ should always be tank mixed with glyphosate.)\(^10\)
(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 application\(^11\) 20 L/ac (5 gal/ac)

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\(^8\) Glyphosate is not included in the case.
\(^9\) Merge adjuvant is required and is included with Heat LQ herbicide. Use all Merge included in the case.
\(^10\) Glyphosate is not recommended for use on flax.
\(^11\) 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, flax, red lentils, soybeans, triticale and wheat.
7 days after application for sunflowers.

**Follow crops**

In the spring following a fall application.

<table>
<thead>
<tr>
<th>Crop Type</th>
<th>Crop Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley (spring, malt, winter)</td>
<td>Flax</td>
</tr>
<tr>
<td>Canary seed</td>
<td>Lentils</td>
</tr>
<tr>
<td>Canola (all types incl. Clearfield(^\circ) canola)</td>
<td>Oats</td>
</tr>
<tr>
<td>Chickpeas</td>
<td>Soybeans</td>
</tr>
<tr>
<td>Corn (field, sweet)</td>
<td>Wheat (spring incl. Clearfield wheat, winter, durum)</td>
</tr>
<tr>
<td>Field peas</td>
<td></td>
</tr>
</tbody>
</table>

**Tank mixes**

**Herbicide:** Glyphosate

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

Contact AgSolutions\(^\circ\) 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.

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Always read and follow label directions.

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