

Heat Complete herbicide

technology sheet

The ultimate pre-seed burndown with extended residual activity on key grassy and broadleaf weeds.

- Provides rapid and complete burndown of tough-to-control weeds, including cleavers, kochia, volunteer canola, wild mustard and stinkweed
- Extended residual activity on many weeds, including wild oats, cleavers, kochia, wild mustard, volunteer canola, redroot pigweed, waterhemp and green and yellow foxtail
- Contains Group 14 and Group 15 active ingredients in a convenient co-pack for control or suppression of Group 1-, 2- and 9-resistant weeds
- Multiple modes of effective action for management of resistant weeds

Active ingredient

Saflufenacil – Group 14
Pyroxasulfone – Group 15

Formulation

Liquid suspension concentrate

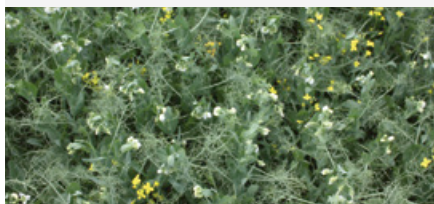
One case contains

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

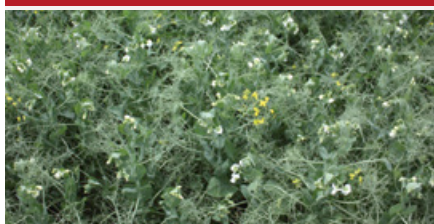
Storage

Protect from freezing. Store in a cool, dry, ventilated area.

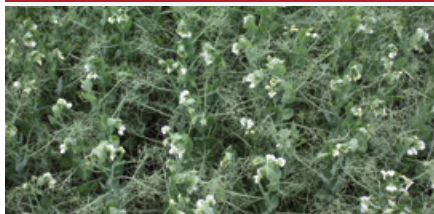
Weed control in peas



Untreated



Residual competitor



Heat Complete + glyphosate

Source: BASF Demonstration Site, Saskatoon, SK, 2018

Crops

Chickpeas
Corn
Field peas
Lentils
Soybeans

Staging

pre-seed and pre-emergence

Weeds controlled

Broadleaves

Canada fleabane¹
Cleavers²
Common waterhemp²
Dandelion³
Flixweed
Kochia^{1,2}
Lady's thumb⁴
Lamb's quarters²
Narrow-leaved hawk's beard
Perennial sow-thistle^{4,5}
Prickly lettuce^{4,5}
Ragweed (common, giant)⁴
Redroot pigweed²
Round-leaved mallow
Shepherd's-purse⁴
Stinkweed²
Volunteer canola^{2,6}
Wild buckwheat²
Wild mustard²

Grasses

Foxtail (green, yellow)⁷
Wild oats⁷

Staging

8 leaf (except where indicated)

(4 whorls)
(prior to emergence)
(15 cm height)

(15 cm height)
(6 leaf)

(8 cm height)

(9 leaf)

(full flower)

prior to emergence

¹ Includes Group 2-resistant and glyphosate-resistant biotypes.

² Residual suppression (may be rate dependent).

³ Top growth burndown control only of perennial plants, control of spring-germinating plants.

⁴ Burndown control is rate-dependent.

⁵ Top growth burndown control.

⁶ All herbicide-tolerant canola systems, including glyphosate-tolerant canola.

⁷ Residual suppression only.

BASF

We create chemistry

Heat[®] Complete

Powered by Kixor[®] Herbicide

Improved weed control in corn,
16 days after application



Glyphosate only



Heat Complete + glyphosate

Source: AgSolutions[®] Performance Trials, Woodlands,
MB, 2018

Enhanced weed control in soybeans



Glyphosate only



Heat Complete + glyphosate

Source: AgSolutions Performance Trials, Howden,
MB, 2018

For more information:

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

Visit agsolutions.ca

Application rates

One case of Heat Complete herbicide will treat 40 to 80 acres, depending on rate. One case will treat 40 to 80 acres for chickpeas, corn and field peas, 60 to 80 acres for soybeans and 80 acres for lentils.

Chickpeas, corn, field peas	Heat LQ herbicide	21.5 to 43 ml/ac (53 to 106 ml/ha)
	Zidua SC herbicide	49 to 97 ml/ac (120 to 240 ml/ha)
Lentils	Heat LQ herbicide	21.5 ml/ac (53 ml/ha)
	Zidua SC herbicide	49 ml/ac (120 ml/ha)
Soybeans	Heat LQ herbicide	21.5 to 29.5 ml/ac (53 to 73 ml/ha)
	Zidua SC herbicide	49 to 65 ml/ac (120 to 160 ml/ha)

All applications

Merge adjuvant 200 to 400 ml/ac (0.5 to 1 L/ha)

Water volume

Ground application only 20 to 40 L/ac (5 to 10 gal/ac)

Mixing order

1. Use a 50 mesh filter screen and fill clean spray tank 1/2 full of water. Start agitation system.⁸
2. Add the correct amount of Zidua SC herbicide and continue agitation.
3. Add the correct amount of Heat LQ herbicide and continue agitation.
4. Add the correct amount of glyphosate and continue agitation.
5. Add the correct amount of Merge adjuvant. If excess foaming occurs, an anti-foaming agent may be added.
6. Continue agitation while adding the remaining amount of water.
7. Continue to agitate or run the by-pass system.
8. After any break in spraying, agitate thoroughly before spraying again.

Note: Always follow the WAMLEGS mixing procedure when tank mixing.

⁸ Do not over-agitate at any point in the process.

Application tips

Do not apply during periods of dead calm or gusty winds.

Do not use on peat or muck soils with 7% or more organic matter content.

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 AgSolutions Representative for additional information on supported tank mixes.

Always read and follow label directions.

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