

Viper ADV herbicide

technology sheet

Proven, broad-spectrum weed control for field peas, soybeans and dry edible beans.

- Convenient, user-friendly 100% liquid formulation
- Multiple modes of action to help manage resistant weeds
- Control of resistant wild mustard and volunteer canola
- Excellent rotational freedom

Active ingredients

Imazamox – Group 2
Bentazon – Group 6

Formulation

Liquid concentrate

One case contains

2 x 8.1 L jugs
Also available in 129.6 L drum

Storage

Protect from temperatures below 0°C and above 40°C.

Cleaver control, 7 days after application of Viper® ADV herbicide



Source: BASF Research Authorization trial, SK, 2012.

Volunteer canola control with application of Viper ADV herbicide vs glyphosate



Source: AgSolutions® Performance Trials, Somerset, MB, 2014.

Crops

Dry edible beans¹
Field and succulent peas

Soybeans

Staging

1 to 2 trifoliolate leaf
3 to 6 above ground node
(3 to 6 true leaf)
cotyledon to 4 leaf

Weeds controlled and staging

Broadleaves cotyledon to 4 leaf

Cleavers^{2,3}
Cow cockle
Green smartweed
Hemp-nettle³
Kochia^{2,3}
Lamb's quarters
Redroot pigweed
Round-leaved mallow³
Russian thistle

Shepherd's-purse
Sow thistle (annual)³
Sow thistle (perennial)⁴
Stinkweed
Volunteer canola
Volunteer lentils⁵
Wild buckwheat³
Wild mustard²

Grasses 1 to 4 true leaf or early tillering

Barnyard grass
Green foxtail
Japanese brome grass³
Persian darnel
Volunteer barley
Volunteer canary seed

Volunteer durum wheat
Volunteer spring wheat⁶
Volunteer tame oats
Wild oats
Yellow foxtail

¹ Dry edible beans may vary in their tolerance to herbicides. See label for important notes. For dry edible beans, Viper® ADV herbicide requires addition of Basagran® Forté herbicide plus 28% UAN.

² Includes resistant biotypes.

³ Suppression.

⁴ Top growth suppression only.

⁵ Including Clearfield® and non-Clearfield varieties.

⁶ Excluding Clearfield wheat.

BASF

We create chemistry

Application rates

One case will treat 40 acres. One drum will treat 320 acres.

Viper ADV herbicide ⁷	404 ml/ac (1 L/ha)
28% UAN ⁸	809 ml/ac (2 L/ha)

Water volume

Ground application only	40 L/ac (10 gal/ac)
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⁷ For dry edible beans only, Viper ADV requires the addition of Basagran Forté herbicide at 146 ml/ac (360 ml/ha) to control additional weeds. Basagran Forté is not included in the case.

⁸ Addition of a nitrogen source (28% UAN) is recommended for grass control, and is not included in the case.

Mixing order

1. Add 3/4 of needed water.
2. Start agitation and continue agitation throughout mixing and spraying procedure.
3. Add the required amount of Viper ADV herbicide.
4. If tank mixing Basagran Forté herbicide for dry edible beans or glyphosate for Roundup Ready[®] soybeans⁹, add the required amount of tank-mix partner.
5. Add correct amount of nitrogen source (required for grass control).
6. Complete filling with water and continue agitation.

⁹ Supported but not on the label. For soybeans, 28% UAN is not required when tank mixing with glyphosate.

Application tips

Rainfastness – 6 hours.

Avoid application immediately before or after frost or during unseasonably cold weather. Apply in warm weather (15°C to 28°C) when weeds are actively growing.

Use higher water volume on dense weeds and thicker canopies.

Initial transient crop yellowing may occur but is outgrown and will not affect yield.

Pre-harvest interval

40 days after application for succulent peas.

60 days after application for field peas, soybeans and dry edible beans.

Follow crops

3 months after application

Winter wheat

1 year after application

Canary seed	Field peas	Spring wheat (incl. Clearfield wheat)
Canola*	Flax	Sunflowers (incl. Clearfield sunflowers)
Chickpeas	Lentils (incl. Clearfield lentils)	Tame oats
Durum wheat	Soybeans	
Field corn	Spring barley	

2 years after application

Mustard (condiment type only)

* Research studies have shown that non-**Clearfield** canola may be safely planted the year following an application of Viper ADV in all regions of Western Canada except the Northern Peace River Region of Alberta (any area in Township 100 and north, including the areas of Keg River, La Crete, Fort Vermilion and High Level). In this region, non-**Clearfield** canola can be grown safely the second year following an application (2 YAT).

Tank mixes

Herbicide for dry edible beans: Basagran Forté at 146 ml/ac (360 ml/ha).

Herbicide for Roundup Ready[®] Soybeans: Glyphosate.⁹

None on label for field peas or succulent peas.

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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