

# 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.



### Crops

Dry edible beans<sup>1</sup>  
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<sup>2,3</sup>  
Cow cockle  
Green smartweed  
Hemp-nettle<sup>3</sup>  
Kochia<sup>2,3</sup>  
Lamb's quarters  
Redroot pigweed  
Round-leaved mallow<sup>3</sup>  
Russian thistle

Shepherd's-purse  
Sow thistle (annual)<sup>3</sup>  
Sow thistle (perennial)<sup>4</sup>  
Stinkweed  
Volunteer canola<sup>5</sup>  
Volunteer lentils<sup>5</sup>  
Wild buckwheat<sup>3</sup>  
Wild mustard<sup>2</sup>

#### Grasses 1 to 4 true leaf or early tillering

Barnyard grass  
Green foxtail  
Japanese brome grass<sup>3</sup>  
Persian darnel  
Volunteer barley  
Volunteer canary seed

Volunteer durum wheat  
Volunteer spring wheat<sup>6</sup>  
Volunteer tame oats  
Wild oats  
Yellow foxtail

<sup>1</sup> 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.

<sup>2</sup> Includes resistant biotypes.

<sup>3</sup> Suppression.

<sup>4</sup> Top growth suppression only.

<sup>5</sup> Including Clearfield® and non-Clearfield varieties.

<sup>6</sup> Excluding Clearfield wheat.

 **BASF**

We create chemistry

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



Untreated

Viper ADV

Source: BASF Research Authorization trial, SK, 2012

**Volunteer canola control with application of Viper ADV herbicide vs glyphosate**



Glyphosate

Viper ADV

Source: AgSolutions<sup>®</sup> Performance Trials, Somerset, MB, 2014.

## For more information:

Call **AgSolutions<sup>®</sup>** Customer Care at 1-877-371-BASF (2273)

Visit [agsolutions.ca](http://agsolutions.ca)

## Application rates

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

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

## Water volume

Ground application only	40 L/ac (10 gal/ac)
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<sup>7</sup> 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.

<sup>8</sup> 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<sup>®</sup> soybeans<sup>9</sup>, 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.

<sup>9</sup> 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	Lentils (incl. <b>Clearfield</b> lentils)
Canola (all types incl. <b>Clearfield</b> canola)	Soybeans
Chickpeas	Spring barley
Durum wheat	Spring wheat (incl. <b>Clearfield</b> wheat)
Field corn	Sunflowers (incl. <b>Clearfield</b> sunflowers)
Field peas	Tame oats
Flax	

### 2 years after application

Mustard (condiment type only)

## Tank mixes

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

**Herbicide for Roundup Ready Soybeans:** Glyphosate.<sup>9</sup>

None on label for field peas or succulent peas.

## Always read and follow label directions.

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