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
Field and succulent peas
Soybeans

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

cotyledon

Weeds controlled and staging
Broadshears cotyledon to 4 leaf

Cleavers
Cow cockle
Green smartweed
Hemp-nettle
Kochia
Lamb’s quarters
Redroot pigweed
Round-leaved mallow
Russian thistle
Shepherd’s-purse
Sow thistle (annual)
Sow thistle (perennial)
Stinkweed
Volunteer canola
Volunteer lentils
Wild buckwheat
Wild mustard

Grasses 1 to 4 true leaf or early tillering

Barnyard grass
Green foxtail
Japanese brome grass
Persian darnel
Volunteer barley
Volunteer canary seed
Volunteer durum wheat
Volunteer spring wheat
Volunteer tame wheat
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® Fort® 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.

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

\(7\) 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\(^9\) soybeans, 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
- Canola\(^*\)
- Chickpeas
- Durum wheat
- Field corn

- Field peas
- Flax
- Lentils (incl. Clearfield lentils)
- Soybeans
- Spring barley

**2 years after application**

Mustard (condiment type only)

\(\ast\) 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\(^9\) Soybeans**: Glyphosate.

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.