

VELUM[®] PRIME

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Nematicide

A agricultural insecticide/nematicide for use in carrots and potatoes as a broadcast spray/incorporation treatment at or before planting/drilling.

A suspension concentrate formulation containing 400 g/L fluopyram

For Professional use only

Safety Information
VELUM PRIME
 Contains 400 g/L fluopyram.

Toxic to aquatic life with long lasting effects.
 Wear protective gloves.
 If skin irritation or rash occurs: Get medical advice/attention
 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use.

Contains 1,2-benzisothiazolin-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1). May produce an allergic reaction.

PCS No. 05686

Authorisation holder:
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For 24 hour emergency information contact Bayer CropScience Ltd.
 Telephone: 00800 1020 3333.

SAFETY PRECAUTIONS
Operator Protection
 Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: **WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), FACE PROTECTION (FACESHIELD) AND SUITABLE PROTECTIVE GLOVES** when handling the concentrate. **WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS)** when applying the product.


However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.


WHEN USING DO NOT EAT, DRINK OR SMOKE. WASH HANDS AND EXPOSED SKIN before meals and after work.
IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

Do not apply by hand held equipment.

Environmental Protection
Do not contaminate water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

Storage and Disposal
 KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
 KEEP OUT OF REACH OF CHILDREN
 KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.
 WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
 DO NOT RE-USE CONTAINER for any purpose.







To access the **Safety Data Sheet** for this product scan the code or use the link below:
www.cropscience.bayer.co.uk/velumprimesds
 or alternatively contact your supplier

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DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Velum Prime contains fluopyram (a pyridinyl-ethyl-benzamide) recommended for control of nematodes in carrots and potatoes (ware, seed and salad crops).

PROTECT FROM FROST

CROPS

Velum Prime may be used on all commercial varieties of carrots and potatoes.

RATE OF USE

Crop	Maximum individual dose:	Maximum number of applications	Latest time of application
Carrots (spray and incorporation)	0.625 litres product per hectare	1 per crop	0–10 days before sowing
Potatoes (spray and incorporation)	0.625 litres product per hectare	1 per crop	0–3 days before sowing
Potatoes (In furrow at planting)	0.625 litres product per hectare	1 per crop	At planting

Other specific restrictions:

Maximum application rate must not exceed 250 g active substance /ha/year

Method of application Broadcast spray followed by incorporation
or a spray in furrow application

The maximum number of treatments is one per crop.

APPLICATION**Water volume**

Apply Velum Prime in 200–1000 litres water per hectare.

A spray pressure of 2–3 bar is recommended.

Spray quality

Apply as a MEDIUM or COURSE spray quality.

For further advice on the application of Velum Prime please contact Bayer CropScience Ltd.

Latest Permitted Timing

Before or at planting/drilling.

Mixing

Thoroughly shake the pack before use.

Add the required quantity of Velum Prime to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty.

Spray immediately after mixing.

General

Sprayers should be thoroughly cleaned with water and detergent after use, and filters and nozzles checked for damage and blockages.

PLANTS CONTROLLED**Potatoes**

Yellow Potato Cyst Nematode (*Globodera rostochiensis*) and White Potato Cyst Nematode (*Globodera pallida*).

Carrots

Root knot nematode (*Meloidogyne* spp.), Carrot cyst nematode (*Heterodera carotae*), Root lesion nematode (*Pratylenchus penetrans*), Stunt nematode (*Tylenchorhynchus* spp.), Stubby root nematode (*Trichodorus* spp.).

APPLICATION TIMING

Do not apply more than 250 g/ha Fluopyram via soil treatment per calendar year. Velum Prime can be incorporated into the soil every second year.

Carrots

Apply Velum Prime as a Broadcast Spray / incorporation in February to June up to maximum of 10 days prior to drilling in 200–1000 Litres of water per hectare. Soil incorporation must be made to a depth of 10–20 cm.

If the crop is intended for processing consult the processor before the use of Velum Prime.

Potatoes

Apply Velum Prime as a Broadcast Spray / incorporation in February to June up to a maximum of 3 days prior to planting in 200–800 Litres of water per hectare. Soil incorporation must be made to a depth of 10–20 cm.

Alternatively an in-furrow spray can be applied at planting in 200 Litres of water per hectare.

Where Velum Prime is applied as an in-furrow treatment application should be made using two nozzles per row—one at the front of the planting share and directed down into the furrow and the second at the rear of the share and directed so to spray the soil as it closes around the planted furrow.

If the crop is intended for processing consult the processor before the use of Velum Prime.

Cardoons, celeries, Florence fennels and crops belonging to the category 'other stem vegetables' cannot be allowed as succeeding crops.

RESISTANCE STRATEGY

Velum Prime contains fluopyram (pyridinyl-ethyl-benzamide). As nematicides are not included in the mode of action classification scheme of IRAC, fluopyram is not assigned to any mode of action class by IRAC. However, fluopyram also controls certain plant pathogens and is classified by FRAC as a member of the Succinate Dehydrogenase Inhibitor (SDHI) group of fungicides. A resistance management strategy in the crops where Velum Prime is applied also requires consideration of uses other of Succinate- Dehydrogenase Inhibitors (SDHI) for disease control.

Nematode Resistance

Velum Prime contains an active ingredient with a new mode of action for use as a nematicide. The resistance risk in nematodes is considered to be low based on experience of the use of organophosphates.

Carrots

An application of Velum Prime should count as one of the total foliar SDHIs applied to the crop.

Where Velum Prime has been applied the first foliar fungicide application made to the crop must not be a member of the SDHI group. Continue foliar applications with alternating fungicidal MoAs for the remaining growing period.

Potatoes

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For further advice on resistance management contact your agronomist, or specialist advisor.

Company Advisory Information

Velum Prime may be used on all commercial varieties of carrots and potatoes. Whilst no additional data (crop safety and efficacy) has been provided, crops grown under plastic can be treated with Velum Prime at the growers risk.

Incidental effect on Sclerotinia sclerotiorum in carrots

When Velum Prime is applied for nematode control in carrots an incidental effect on the reduction of Sclerotinia infection can be observed. Velum Prime applications in carrots must not target Sclerotinia.

Additional Application advice on soil incorporation techniques

Carrots

It is essential that Velum Prime is thoroughly incorporated into the soil to a minimum depth of 10–20 cm. This will usually be achieved by the cultivation practices in advance of drilling. If there is any doubt about a particular pre-drilling cultivation methods to be employed contact your agronomist or Bayer CropScience.

In situations where a de-stoned /de-clodded tilth is required, Velum Prime should always be applied to the de-stoned beds prior to bed-forming. Where front mounted sprayer systems are used, soil incorporation by the bed-former occurs immediately after application. Where these systems are not available, Velum Prime will be applied to the de-stoned beds using a conventional boom sprayer, again in advance of the bed-forming operation.

For carrots drilled 'on the flat' (not de-stoned and not into beds) product application should be made by a conventional boom sprayer prior to power harrowing to a depth of 10–20 cm.

Where a conventional boom sprayer has been used to apply the product to either the de-stoned beds or the flat soil surface, the soil incorporation must be made to a maximum of 10 days prior to drilling

Potatoes

It is essential that Velum Prime is thoroughly incorporated into the soil to a minimum depth of 10–20 cm. This will usually be achieved by the cultivation practices in advance of drilling. If there is any doubt about a particular pre-drilling cultivation method to be employed contact your agronomist or Bayer CropScience.

Where Velum Prime is applied as a Broadcast Spray the product should be applied to the whole field prior to rotorvator/bed tilling, either from an application system mounted to the same tractor as the tilling machine, or by a conventional boom sprayer making an application in advance of the bed tiller. The bed tiller must ensure all the sprayed area is incorporated to a minimum depth of 10–20 cm. The product should always be applied after any destoning operations. Where a conventional boom sprayer has been used to apply the product to either the de-stoned beds or the flat soil surface, the soil incorporation must be made to a maximum of 3 days prior to planting.

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2020 to date