

Nematicide

VELUM[®] PRIME

A nematicide for use in carrots and potatoes as a broadcast spray / incorporation treatment / in-furrow (for potatoes) at or before drilling / planting.

A suspension concentrate formulation containing 400 g/L fluopyram.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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GROUP N3 NEMATICIDE

MAPP 18880 I



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VELUM PRIME

UFI: JPW1-X0FX-G00Y-J527

Contains 400 g/L fluopyram



Toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.

If skin irritation or rash occurs: Get medical advice/attention. Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean 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-benzisothiazol-3(2H)-one and 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one. May produce an allergic reaction.

IMPORTANT INFORMATION FOR USE ONLY AS A PROFESSIONAL NEMATOCIDE

Crop/situations:	Maximum individual dose (L product/ha)	Maximum total dose	Maximum number of treatments	Latest timing of application
Potato	0.625	-	1 per year in-furrow	At planting
	OR			
	0.625	-	1 per 3 years via broadcast spray	At planting
Carrot	0.625	-	1 per 2 years via broadcast spray	At drilling

Other specific restrictions: Do not apply by hand-held equipment.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.



To access the **Safety Data Sheet** for this product scan the code or use the link below:
<https://cropsience.bayer.co.uk/our-products/insecticides/velum-prime>
 or alternatively contact your supplier

PROTECT FROM FROST

Bayer

SAFETY PRECAUTIONS

Operator 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).

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.

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 the suppression of plant parasitic 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

Apply Velum Prime at: 0.625 litres product per hectare.

The maximum number of treatments is one per crop.

Broadcast spray applications are restricted to potatoes once every three years and to carrots once every two years.

APPLICATION

Water volume

Apply Velum Prime in 200–500 litres water per hectare (see crop specific information).

A spray pressure of 2–3 bar is recommended.

Spray quality

Apply as a MEDIUM or COARSE spray quality (as defined by BCPC).

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 (if fitted) 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 jets checked for damage and blockages.

PESTS CONTROLLED

Potatoes

Velum Prime can be used for the suppression of plant parasitic nematodes.

Velum Prime is effective against both species of Potato Cyst Nematode (PCN) *Globodera rostochiensis* and *Globodera pallida* and for the reduction of Spraing symptoms resulting from Tobacco Rattle Virus (TRV) transmitted by species of Free Living Nematode (FLN). There is a risk that treated crops may still show symptoms of Spraing and could be rejected by the processor. Potato varieties vary in terms of their susceptibility to express the symptoms of Spraing. This should be taken into account when choosing to plant fields that are considered at risk from Spraing, with the risk based on field history, soil testing and soil type.

However, in some soils with high organic matter, control of *Globodera pallida* may be less effective.

Carrots

Velum prime can be used for the suppression of plant parasitic nematodes and for the reduction of fanging caused by nematodes.

APPLICATION TIMING

Do not apply more than 250 g/ha Fluopyram via soil treatment per calendar year.

Broadcast spray applications are restricted to potatoes once every three years and to carrots once every two years.

Carrots

Apply Velum Prime as a Broadcast Spray in February to June up to a maximum of 72 hours prior to drilling in 250–500 Litres of water per hectare.

It is essential that Velum Prime is thoroughly incorporated into the soil to a minimum depth of 10–20 cm, prior to drilling. 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.

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 up to a maximum of 72 hours prior to drilling.

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

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*.

Potatoes

Apply Velum Prime as a Broadcast Spray in February to June up to a maximum of 72 hours prior to planting in 200–500 Litres of water per hectare. Soil incorporation must be made to a depth of 10–20 cm.

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 planting. If there is any doubt about a particular pre-planting 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 rotavator/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.

Alternatively an in-furrow spray, using on- planter application technology, can be applied at planting in 200–500 Litres of water per hectare.

Where Velum Prime is applied as an in furrow application it is important to direct spray into the planting furrow and not onto the seed tuber. 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.

Following Crops

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 of 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 SDHI's 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

Where Velum Prime has been applied the first foliar fungicide application made to the crop must not be a member of the SDHI group.

For further advice on resistance management contact your agronomist, or specialist advisor, and visit the FRAG-UK website.

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.

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