

FMC

BENEVIA® 10 OD

INSECTICIDE

GROUP 28 INSECTICIDE

MAPP 21929

An oil dispersion formulation containing 100 g/litre cyantraniliprole for the control of carrot root fly in carrot

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

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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).
WASH HANDS/EXPOSED SKIN before eating and drinking/ smoking/after work

Environmental Protection

To protect non-target insects / arthropods respect an unsprayed buffer zone of 10 m to non-crop land.
Horizontal boom sprayers must be fitted with three-star drift reduction technology for all uses. Low drift spraying equipment for the horizontal boom must be operated according to the specific conditions stated in the official three-star rating for that equipment as published on HSE website. These operating conditions must be maintained until the operator is 30 m from non-crop land.

Contents: **1 litre**

Dangerous to bees. To protect bees and pollinating insects do not apply to crop plants when in flower. Do not use where bees are actively foraging. Do not apply when flowering weeds are present.

Other Specific Restrictions

- (1) A minimum interval of 14 days must be observed between applications.
- (2) This product must not be applied via handheld equipment
- (3) To protect groundwater, BENEVIA® 10 OD and any other product containing cyantraniliprole must not be applied to the same field following application on carrot for 30 months.
- (4) The maximum total dose of Benevia® 10 OD per crop must not be exceeded in any calendar year. Any land treated with Benevia® 10 OD at the maximum total dose must not be treated with any other cyantraniliprole containing products in the same calendar year, including either foliar applications in the growing crop or drench treatments to transplants applied pre-planting.

Storage And Disposal

KEEP AWAY FROM FOOD DRINK AND ANIMAL FEEDING STUFFS.
KEEP OUT OF REACH OF CHILDREN.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
DO NOT RE-USE CONTAINER for any purpose.

Authorisation Holder and Marketing Company:

FMC Agro Limited, Rectors Lane, Pentre, Flintshire, CH5 2DH.
Tel: 01244 537370. Email: fmc-agro.uk@fmc.com.
Website: www.fmc-agro.co.uk. Technical Helpline: 01423 205011

Emergency No.s - Medical Incidents Involving Crop

Protection Products: England & Wales: 111, Scotland: 08454 24 24 24, Northern Ireland: Local GP or Pharmacist, Republic of Ireland: 01 837 9964.

Healthcare professionals seeking poisons

information: www.toxbase.org.

Emergency No.s - Transportation, Warehousing & After Sale

Incidents: CHEMTREC help centre Dialling from the UK and NI: 0870 820 0418, Dialling from Ireland: 01 901 4670

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SHAKE WELL BEFORE USE



This label is compliant with the
Croplife UK Voluntary Initiative
Guidance

RISK AND SAFETY INFORMATION**BENEVIA® 10 OD**
Insecticide

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

Avoid breathing fume/gas/mist/vapours/spray.

Collect spillage.

Wear protective gloves/ protective clothing/

eye protection/ face protection.

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

Take off contaminated clothing and wash it before reuse.

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.

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).

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



Warning

IMPORTANT INFORMATION**FOR USE ONLY AS A PROFESSIONAL INSECTICIDE**

Crops (Pest)	Max. Individual dose (mL/ha)	Max. number of treatments per crop	Latest time of application
Carrot, outdoor	450 ml product / ha	1	80% of the expected root diameter reached (BBCH 48)

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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.

FMC

To access the Safety Data Sheet for this product, scan the Qr code or Alternatively, contact your supplier.



	FILL IN		DIMENSION (WxH)
Country	GREAT BRITAIN	Single label	
Product SKU	11017495	Base for Booklet	
Product SKU Description	BENEVIA 10 OD_1L_GB	Booklet	235x130 mm (BKT 270x130 mm)
Label SKU	22067260	Number of pages (Booklet)	4 pages
Label SKU Description	LBL_ML-F_1L_BENEVIA 10 OD_GB_1	Carton label	
Label SKU (earlier version)		Preprinted Material	No

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.

Restrictions

- Benevia® 10 OD must not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.
- Good agricultural practice advises that to protect bees and pollinating insects Benevia® 10 OD should not be used where bees are actively foraging. Apply once during flowering in the evening after daily bee flight.

Insect Control

Benevia® 10 OD is a Group 28 anthranilic insecticide used for control of certain chewing and sucking insect pests in the listed crops. Activity is by ingestion and contact. Paralysis of the pest occurs within a few hours of exposure and results in cessation of movement and feeding. Final control can take 3-6 days.

Benevia® 10 OD may be used as part of an Integrated Pest Management (IPM) program, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, rotation of insecticides with different modes-of-action and treating when target pest populations reach locally determined action thresholds. Consult your crop adviser to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

Resistance

When insecticides with the same mode of action are used repeatedly over several years in the same field, naturally occurring less sensitive strains may survive, propagate and become dominant in that field. An insect is considered resistant to an insecticide if it survives a correctly applied treatment at the recommended dose and timing under normal weather conditions and a validation test with a suitable bioassay confirms the lack of activity. When resistance occurs, recommended rates fail to suppress the pest population below economic thresholds. Development of resistance can be avoided or delayed by alternating or mixing products having different modes of action. Tank-mixtures with other effective insecticides for the target pests may also be recommended. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at (<http://www.irac-online.org>).

Benevia® 10 OD is an IRAC Group 28 Insecticide (ryanodine receptor modulator - diamide). Repeated and exclusive use of Benevia® 10 OD may lead to the build-up of resistant strains of insects in some crops. Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, this product may be used as part of resistant management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local or area agricultural authorities for details and follow the recommended IRAC guidance for use of ryanodine receptor modulator - diamide insecticides (<http://www.irac-online.org>).

Best practices for resistance management of Group 28 insecticides include;

- The following practices are recommended to prevent or delay the development of insecticide resistance to Benevia® 10 OD and to Group 28 insecticides:
- Apply Benevia® 10 OD or other Group 28 insecticides using a "window" approach to avoid exposure of consecutive insect pest generations to the same mode of action.
- A treatment "window" is defined as the period of residual activity provided by single, multiple, or sequence of product applications with the same mode of action, in an approximate 30 day period.
- Following a "window" of Benevia® 10 OD or other Group 28 insecticide, rotate to a "window" of applications of effective insecticides with a different mode of action.
- The total exposure period of all "Group 28-active windows" applied throughout the crop cycle (from sprouting/seedling to harvest) should not exceed 50% of the crop cycle.
- Avoid using less than labelled rates when applied alone or in tank mixtures.
- Avoid using the same mode of action (same IRAC group number) on consecutive generations of insect pests.
- Make no more than 2 applications of Group 28 products per generation to the same insect species on a crop. Application to the next generation of target pest(s) must be with an effective product with a different mode of action (non-Group 28 insecticide).
- Avoid using less than the labelled rates of Benevia® 10 OD.
- The number of applications of Benevia® 10 OD is limited to 2 per season.
- Target the most susceptible insect life stages, whenever possible.
- Monitor insect populations for product effectiveness. If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control.
- If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your supplier or agricultural advisor for the best alternate method of control for your area.

Crops and Rates of Use

Crops	Pests	Rate (mL/ha)	Usage
Carrot	Carrot root fly <i>Psila rosae</i>	450	Moderate control can be achieved by applying an early application at early stages of pest infestation, typically at the beginning of the adult's flight between BBCH 19 - 48 or more true leaves unfolded up to and including 80% of the expected root diameter reached. Apply no more than 1 treatment per crop. Observe a pre-harvest interval of 14 days. Application every 3 years. Apply in a water volume of 300-1000 L water/ha.

Mixing

Before using Benevia® 10 OD, make sure that the spraying equipment is clean. Benevia® 10 OD mixes easily with water, but the following mixing procedure should be followed: Quarter fill the spray tank with clean water, start the agitation and add the required quantity of Benevia® 10 OD directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

Compatibility

Consult FMC Agro Limited or your distributor for the latest information. Latest recommendations may also be found on our website at www.fmc-agro.co.uk. Do not use any product in a tank-mix if the mixture cannot be applied within the recommendations for all the separate ingredients. When using in a tank-mix, always add Benevia® 10 OD to the spray tank first.

Immediately after application, completely drain spray equipment. Thoroughly rinse sprayer and flush the hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and strainers. Flush the entire system with clean water. Take all necessary safety precautions when cleaning equipment. Do not clean near wells or water sources. Consult label tank cleanup procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

Notice to Buyer

FMC as the manufacturer warrants that the composition of the product in sealed original FMC packaging complies with the information given on this label. FMC is not liable for any direct or indirect consequences resulting from improper storage, handling or use of the product contrary to or otherwise not in compliance with this label, law and regulations. Various factors, especially local conditions, such as soil condition, plant varieties and weather conditions, may either cause the product not to have the full desired effect or result in damage to the crops treated. FMC does not assume any liability for such results.

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