



## **VERIMARK<sup>®</sup> 20SC**

**MAPP 17519**

**PCS 05356**

A suspension concentrate containing 200 g/L cyantraniliprole for the control of cabbage root fly in certain brassica vegetables.

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

### **SAFETY PRECAUTIONS**

#### **OPERATOR PROTECTION**

WASH SPLASHES from skin or eyes immediately

WASH HANDS/EXPOSED SKIN before eating and drinking/smoking/after work

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible)

DO NOT BREATHE SPRAY

#### **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.

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

#### **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

Approval holder and marketing company

Du Pont (UK) Limited,

Crop Protection Products, 4th Floor, Kings Court, London Road, Stevenage, Herts

SG1 2NG

Tel: 01438 734450 or enquiry.agproducts@dupont.com

Emergency Tel: 0870 820 0418 (UK) and 01 901 4670 (Ireland)

Version dated 22<sup>nd</sup> January 2018

National Poisons Service Tel: 111 (England and Wales), 08454 24 24 24 (Scotland) and 01 837 9964 (Ireland)

Contents: X litres (e mark)  
Manufactured in the E.U  
SHAKE WELL BEFORE USE  
PROTECT FROM FROST  
FOR PROFESSIONAL USE ONLY



This label is compliant with the CPA Voluntary Initiative Guidance (UK only)

**RISK AND SAFETY INFORMATION**

**Verimark 20SC**

**Insecticide containing 200g/l cyantraniliprole**

**Contains 1,2-benzisothiazolin-3-one. May cause an allergic reaction**



**Warning**

**Very toxic to aquatic life with long lasting effects**

Keep out of the reach of children

Read label before use

Do not eat, drink or smoke when using this product.

Collect spillage. Hazardous to the environment

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed 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**

**MAPP NO 17519**

**PCS NO 05356**

<b>IMPORTANT INFORMATION</b> FOR USE ONLY AS A PROFESSIONAL INSECTICIDE			
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Crops	Maximum Individual dose	Max. no of applications	Latest time of application
Cauliflower, Broccoli/ calabrese Cabbage, Brussels sprout	15ml product / 1000 plants	1 per crop	Pre-planting

**Other Specific Restrictions**

Do not apply by hand-held equipment

A maximum individual dose of 600ml/ha for brassicas must not be exceeded, which is equal to a planting density of 40,000 plants/ha

Verimark 20SC must not be applied in each calendar year after 31<sup>st</sup> August in brassica crops (UK only)

The maximum total dose of Verimark 20SC per crop must not be exceeded in any calendar year.

Any land treated with Verimark 20SC 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

**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**

## DIRECTIONS FOR USE

### RESTRICTIONS

- VERIMARK 20SC 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.
- To protect bees and pollinating insects avoid application to crops when in flower.
- Consult processor when the product is to be applied to crops grown for processing.

### INSECT CONTROL

VERIMARK 20SC is a Group 28 anthranilic insecticide used for control cabbage root fly (*Delia radicum*) in certain brassica vegetables. 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.

VERIMARK 20SC may be used as part of an Integrated Pest Management (IPM) program, which can include 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. There is no information on the effects of VERIMARK 20SC to natural predators, and safety cannot be

assumed. 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>).

VERIMARK 20SC is an IRAC Group 28 Insecticide (ryanodine receptor modulator - diamide). Repeated and exclusive use of VERIMARK 20SC 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;

- 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 VERIMARK 20SC
- 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

Crops	Pests	Rate	Timing	PHI
Cauliflower Broccoli Cabbage Brussels sprout	Cabbage root fly ( <i>Delia radicum</i> )	15ml per 1000 plants	BBCH 12-15	Pre planting
<p>Apply by drench application to the plant modules before transplant. Adjust the pH of the system's pesticide injection tank to pH 5-6 at application. The recommended application rate is 15 ml of VERIMARK 20SC per 1000 plant modules, making sure all the preparation containing the product is taken up by the plugs, according to the following recommendations:</p> <p>Determine the amount of water needed to thoroughly drench transplant plugs in a transplant tray without runoff through the bottom of the tray. The amount of water needed may vary by size of the transplant and plug/module. Multiply the amount of water needed per tray times number of trays to be treated. Discontinue watering 24 hours before treatment so spray solution is absorbed quickly. Apply as a low pressure coarse high volume spray so that solution runs off from the foliage to the soil/potting media in the tray, but does not runoff from the bottom of the tray. Wash solution from foliage by making a second pass with water only before the spray solution dries. Make application no longer than 3 days before transplanting in the field. Allow trays to dry before transporting to the field for planting. Do not mix any other product when applying VERIMARK 20SC using this application method</p> <p>Do not exceed 15 ml/1000 plants and a maximum rate of 600 ml of product per ha.</p> <p>Apply no more than 1 treatment of VERIMARK 20SC per crop.</p>				

## MIXING

Before using VERIMARK 20SC, make sure that the spraying equipment is clean. VERIMARK 20SC 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 VERIMARK 20SC directly to the tank. Continue agitation while topping up the tank and while spraying.

## SPRAY TANK CLEAN-OUT

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. (IRL only) Follow the Good practice guide for empty pesticide containers.

**NOTICE TO BUYER**

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

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**Safety Data Sheet**

**[Insert QR code and wording]**

To access the Safety Data Sheet for this product scan the code, visit [www.cropprotection.dupont.co.uk](http://www.cropprotection.dupont.co.uk) or alternatively contact your supplier