



EXIREL[®] 10SE

MAPP XXXXX

A suspo-emulsion formulation containing 100 g/litre cyantraniliprole for control of **Spotted Wing Drosophila (*Drosophila suzukii*)** in **blueberry**.

For UK use only, under the terms of an emergency authorisation issued according to Article 53 of Regulation (EC) No 1107/2009. Users must comply with all conditions of the emergency authorisation as detailed below.

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

SAFETY PRECAUTIONS

OPERATOR PROTECTION

Broadcast air assisted sprayers must only be used where the operator's normal working position is within a closed cab with suitable in cab filtration when applying the product in protected situations

*Closed cabin meeting European standard EN 15695 category 3

Operators must only use vehicle mounted or trailed horizontal or vertical boom sprayers where the operator's normal working position is within a closed cab with a suitable in-cab filtration system* or suitable respiratory protective equipment** must be worn during application in protected situations.

*Closed cabin meeting at least EN 15695 category 3

** Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

Other engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Operators must wear suitable protective clothing (coveralls) and suitable protective gloves when applying by a pedestrian controlled sprayer with vertical boom or where contact with treated foliage is unavoidable during application in protected situations.

Operators must wear suitable protective clothing (coveralls) and suitable protective gloves when handling the concentrate.

Operators must wear suitable protective gloves when handling contaminated surfaces.

Workers must wear suitable protective clothing in which arms, body and legs are fully covered when re-entering treated areas or handling treated protected crops or contaminated surfaces within 4 days of treatment. (See 'Other Specific Restrictions').

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

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WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

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

ENVIRONMENTAL PROTECTION

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.

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See Directions for use.

All sprayers must be fitted with three star drift reduction technology for all uses.

To protect non target insects / arthropods, respect an unsprayed buffer zone of 10m to non-crop land when using broadcast air assisted sprayers.

To protect non target insects / arthropods, respect an unsprayed buffer zone of 5m to non-crop land when using horizontal boom sprayers.

To protect aquatic organisms, respect an aquatic buffer zone of 10m when using broadcast air assisted sprayers.

To protect aquatic organisms, respect an aquatic buffer zone of 5m when using horizontal boom sprayers.

Since there is a risk to aquatic life from use, users not applying the statutory buffer zone must either themselves carry out or ensure that someone else has carried out a Local Environment Risk Assessment for Pesticides (LERAP) on their behalf before each spraying operation from a horizontal boom sprayer. Users must not allow direct spray from horizontal boom sprayers to fall within 5m of the top of the bank of any static or flowing waterbody or within 1m of a ditch which is dry at the time of application (these distances to be measured as set out in the guidance documents available from HSE Chemical Regulation Division's website and any amendments that are made to it) unless:

(a)The LERAP indicates that a narrower buffer zone will be sufficient; and

(b)Any measures indicated by the LERAP as justifying the narrower buffer zone are complied with in full and in accordance with any conditions applicable to them.

Spray must be aimed away from water.

Buffer zones must be measured in accordance with the guidance set out in the HSE Chemicals Regulation Division's website and any amendments made to it.

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Detailed guidance on LERAPs and how to conduct a LERAP are contained in the guidance documents available from HSE Chemicals Regulation Division's website. All LERAPs must be carried out in accordance with this Guidance and any amendments that are made to it.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

Where the buffer zone is greater than 5m then it must not be reduced under the LERAP scheme.

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 OTHER PURPOSE

Approval holder:

FMC Agro Limited. Rectors Lane, Pentre, Flintshire, CH5 2DH

Marketing company:

FMC Agro Limited. Rectors Lane, Pentre, Flintshire, CH5 2DH

Tel: (01438) 734450

Email: Flintshire.enquiry@fmc.com

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

Contents: 1 to 5 litres


Warning May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. Avoid breathing spray Contaminated work clothing should not be allowed out of the workplace If skin irritation or rash occurs: Get medical attention Wash contaminated clothing before reuse 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 Contains 1,2-Benzisothiazolin-3-one. (Proxel GXL). May cause allergic reactions To avoid risk to man and the environment, comply with the instructions for use.

IMPORTANT INFORMATION FOR USE ONLY AS A PROFESSIONAL INSECTICIDE				
Crops	Max. Individual dose (mL/ha)	Max. number of treatments per crop	Latest time of application	Aquatic buffer zone distance
Blueberry	900	2	3 days pre-harvest	10 metres
Other Specific Restrictions A minimum interval of 10 days must be observed between applications. This product must not be applied via hand-held equipment. Managers must carry out a thermal comfort checklist (see - http://www.hse.gov.uk/temperature/assets/docs/thermal-comfort-checklist.pdf) prior to worker re-entry tasks. If needed, an additional heat stress check list and associated risk assessment must be undertaken (see- http://www.hse.gov.uk/temperature/assets/docs/heat-stress-checklist.pdf) and the records retained. Temperature and humidity inside tunnels should be monitored during re-entry tasks. If conditions become such that there is a risk of heat related illness, or workers complain of ill effects, then work must cease until the risk is reduced. It is not acceptable for workers to remove clothing and continue working				

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

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

- EXIREL 10SE 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 EXIREL 10SE should be used when bees are less active *i.e.* early morning or late evening.
- The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods.

INSECT CONTROL

EXIREL 10SE 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.

EXIREL 10SE 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.iraac-online.org>).

EXIREL 10SE is an IRAC Group 28 Insecticide (ryanodine receptor modulator - diamide). Repeated and exclusive use of EXIREL 10SE 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.irc-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 EXIREL 10SE
- 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.

TIMING

Apply at early stages of pest infestation, typically and depending on the pest species, at egg laying to when the first larvae are present.

MIXING

Before using EXIREL 10SE, make sure that the spraying equipment is clean. EXIREL 10SE 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 EXIREL 10SE directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

RATES OF USE

Crops	Pests	Rate (mL/ha)	Usage
Blueberry (protected and outdoor)	Spotted wing drosophila (<i>Drosophila suzukii</i>)	900	Apply in 500-1500 L water/ha Make no more than two applications per crop at minimum 10 day interval.

SPRAY VOLUME

It is important that an adequate water volume is used to ensure complete coverage of the leaves. Where tree height and/or canopy density is reduced, the dose (and water volume)

should be adjusted in accordance with an appropriate dose adjustment scheme, for example PACE. However, if reducing the dose according to tree height or canopy density, do not use less than the minimum recommended rate for the crop. Consult your specialist advisor for further information. Further information on the PACE scheme is available from HDC, or see the HDC fact sheet available from HSE's website <http://www.pesticides.gov.uk/HDC.pdf>

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. Consult label tank cleanup procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

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.

Effectiveness and crop safety of this product has not been assessed.

All other trademarks are duly acknowledged

Insert MSDS here