

MINUET[®] EW

Version and date: Version 7 - Summer 2007

Changes since last version: Amended and added maximum total dose in place of a previous maximum two applications per crop. Label updated to incorporate new PSD guidelines.



This label is compliant with the CPA Voluntary Initiative Guidance.

FORMULATION AND ACTIVE INGREDIENT: An oil in water emulsion containing 100 g/l (9.7% w/w) zeta-cypermethrin for the control of certain pests of: Wheat, Barley, Oats, Oilseed rape, Linseed, Vining and Combining peas, Field bean, Potato and Sugar Beet.

PACK SIZE: 1LT



MAPP No. 12304



Important Information

For use only as an agricultural insecticide			
Crops	Max. Individual Dose Product/ha	Max. Total Dose Product/ha	Latest Timings
Winter & Spring Wheat, Barley & Oats	150ml	300ml	Before flowering complete stage (before GS 69)
Winter & Spring Linseed	100ml	200ml	Before 4 true leaves (before GS14)
Winter & Spring Oilseed Rape	100ml	200ml	Before the end of flowering
Vining & Combining Peas	150ml	300ml	14 days before Harvest
Field beans	150ml	300ml	14 days before Harvest
Potatoes	125ml	250ml ¹	14 days before Harvest
Sugar beet	125ml	250ml ¹	60 days before Harvest

¹Minimum interval of 10 days must be observed between applications.

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.

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

	Minuet® EW	Oil in water emulsion containing 100 g/l zeta-cypermethrin
	Xn-HARMFUL	R20/22 – Harmful by inhalation and if swallowed R43 – May cause sensitisation by skin contact R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	N-DANGEROUS FOR THE ENVIRONMENT	S1/2 – Keep locked up and out of reach of children. S13 – Keep away from food, drink and animal feeding stuffs. S23 – Do not breathe spray. S24 – Avoid contact with skin. S35 – This material and its container must be disposed of in a safe way S37 – Wear suitable gloves. S46 – If swallowed, seek medical advice immediately and show the container or label S57 – Use appropriate containment to avoid environmental contamination.
		To avoid risk to man and the environment, comply with the instructions for use.

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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.
- 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 CONCENTRATE from skin or eyes immediately
- DO NOT BREATHE SPRAY
- AVOID CONTACT WITH SKIN AND EYES
- WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental Protection

- HIGH RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. DO NOT SPRAY WHEAT, BARLEY OR OATS within 6m of the field boundary. Avoid spraying oilseed rape, linseed, vining and combining pea, field bean, potato and sugar beet within 6m of the field boundary, to reduce effects on non-target insects and other arthropods.
- Do not contaminate water with product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads
- DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of any static or flowing water body, or 1m from the top of any ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m from the top of the bank of any static or flowing water body. Direct spray away from water. THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SCHEME.
- DO NOT APPLY to a cereal crop if any product containing a pyrethroid insecticide or dimethoate has been applied after the start of ear emergence (GS51).

Storage Disposal

- KEEP OUT OF REACH OF CHILDREN.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
- KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.
- DO NOT RE-USE CONTAINER FOR ANY PURPOSE
- WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

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.

MINUET EW insecticide is an oil in water emulsion formulation of zeta-cypermethrin with contact and ingestion action against a range of pests of: Wheat, Barley, Oats, Oilseed rape, Linseed, Peas, Beans, Potatoes and Sugar Beet.

CONSULT PROCESSORS BEFORE USE ON CROPS GROWN FOR PROCESSING

RESISTANCE

To ensure the maximum and prolonged effectiveness and to minimize the likelihood of resistant strains of pests developing, it is recommended that a non-pyrethroid insecticide is incorporated into annual spray programmes.

Control may be reduced where strains of pest resistant to zeta-cypermethrin develop. Strains of some aphid species are resistant to many aphicides. Where aphids resistant to products containing cypermethrin occur, MINUET EW is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

RATES OF USE AND PESTS CONTROLLED

Crop	Pest	Rate
Wheat Barley Oats	BYDV Transmitting Aphids (Bird Cherry & Grain Aphids) Summer Aphids (Bird Cherry, Grain, Rose Grain & Fescue Aphids)	150 ml/ha
Linseed	Flax Flea Beetle, Large Flax Flea Beetle	100 ml/ha
Oilseed Rape	Cabbage Stem Flea Beetle, Pollen Beetle, Pod Midge, Seed Weevil, Flea Beetle	100 ml/ha
Peas	Pea Aphid, Pea Weevil, Pea Moth	150 ml/ha
Beans	Bean Weevil	150 ml/ha
Potatoes	Cutworm	125 ml/ha
Sugar Beet	Cutworm	125 ml/ha

SPRAY QUALITY

Apply MINUET EW as a MEDIUM spray as defined in the BCPC system.

WATER VOLUME

Wheat, Barley, Oats, Oilseed rape, Linseed, Peas and Field beans: 200 to 300 litres per hectare. The higher volume should be used when the crop is dense to ensure adequate coverage.

Potatoes and Sugar beet (Cutworm control): 600 to 1000 litres per hectare.

In all cases do not use less than the minimum volume of water specified.

MIXING

Half fill the tank with water and add the required quantity of MINUET EW. Fill up the sprayer tank agitating continuously to ensure thorough mixing and continue agitation until spraying is complete. Use only clean water for mixing.

CROPS AND TIMING

Wheat, Barley Oats

Barley Yellow Dwarf Virus (BYDV) vectors:

Apply MINUET EW when aphids are first found in the crop or anytime from mid-October to mid-November depending on the sowing date and risk of infection. Crops at greater risk are those sown early, sown after grass or in areas with a history of BYDV. In early drilled crops, or in mild conditions, a second spray may be required.

Grain aphid control:

Apply MINUET EW once the treatment threshold has been reached.

Oilseed rape

Cabbage stem flea beetle control:

Apply MINUET EW in the autumn when feeding damage is first seen. A second treatment should be made when economic threshold levels of larvae are present (usually 3-5 weeks later). If adult damage is not apparent the first treatment should be made when economic threshold levels of larvae are present.

Pollen beetle control:

Apply MINUET EW between green and yellow bud stage when pest numbers reach economic thresholds.

Pod midge/Seed weevil control:

Apply MINUET EW at anytime before the end of flowering as soon as pest numbers reach the economic threshold. Best results are obtained after pod set but before 80% petal fall from applications of MINUET EW. A useful reduction of Mealy Cabbage aphid is also achieved.

Flea beetle control:

MINUET EW can cause some reduction in adult feeding damage. Apply MINUET EW when feeding damage (as "shot-holes") is first seen.

Linseed

Flax flea beetle and Large flax flea beetle control:

MINUET EW can cause some reduction in adult feeding damage. Apply MINUET EW when feeding damage (as "shot-holes") is first seen.

Field beans, Vining and Combining peas

Pea and Bean weevil:

During early stages of crop development severe damage to the growing points should be treated. In high pressure situations or on sites of severe damage a repeat treatment may be necessary 2-3 weeks after the initial treatment. Where there is a history of severe weevil damage a first application made at the first sign of adult attack (leaf notching) may be beneficial in some situations.

Pea moth (Peas only):

Apply MINUET EW according to ADAS/PGRO warnings or as indicated by pheromone traps when economic thresholds are reached.

Pea aphid (Peas only):

When MINUET EW is applied to control Pea moth, it will also partially control aphids.

Potatoes and Sugar beet

Cutworm:

Apply at egg hatch and repeat no sooner than 10 days later.

WARRANTY

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or the storage of the product, if this use/and/or handling and/or storage are carried out contrary to the instructions on the label.

DAMAGES

Buyer's or user's exclusive remedy for damages, breach of warranty, or negligence, shall be limited to the direct damage, and shall not exceed the purchase price of the product, and shall not include any incidental or consequential damages.

TECHNICAL ENQUIRIES:	01480 403333
24 HOUR EMERGENCY NUMBER:	0032 1458 4545

Always read the label. Use pesticides safely.

BELCHIM Crop Protection Limited
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