



Chinook Blue®

200 L



Seed treatment for autumn and spring sown crops of oilseed rape to reduce the damage to seedlings caused by early attacks of cabbage stem flea beetle (*Psylliodes* spp.) and flea beetle (*Phyllotreta* spp.) thereby improving crop establishment.

MAPP 11262

A flowable concentrate formulation for seed treatment containing 100 g/L (9.53% w/w) imidacloprid and 100 g/L (9.53% w/w) beta-cyfluthrin.

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

Bayer CropScience Limited
230 Cambridge Science Park
Milton Road, Cambridge CB4 0WB
Telephone: 01223 226500

For 24 hour emergency information contact
Bayer CropScience Limited
Telephone: 0800 220876

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.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) BENEATH A DISPOSABLE COVERALL, AND SUITABLE PROTECTIVE GLOVES when cleaning machinery or dealing with spillages.
WEAR SUITABLE PROTECTIVE GLOVES when handling treated seed.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
OPEN CONTAINER ONLY AS DIRECTED.
WHEN USING DO NOT EAT, DRINK OR SMOKE
TAKE OFF IMMEDIATELY all contaminated clothing.
WASH HANDS AND EXPOSED SKIN after cleaning and re-calibrating equipment.
WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.
LABEL TREATED SEED with the appropriate precautions using printed sacks, labels or bag tags.
IF YOU FEEL UNWELL, seek medical advice (show label where possible).

Environmental Protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.
HARMFUL TO GAME AND WILDLIFE. To protect birds and wild mammals treated seed should not be left on the soil surface. Bury or remove spillages.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.
KEEP OUT OF REACH OF CHILDREN.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
OPEN THE CONTAINER ONLY AS INSTRUCTED
DO NOT RINSE OUT THE CONTAINER.
DO NOT USE TREATED SEED as food or feed.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.
DO NOT APPLY TREATED SEED FROM THE AIR.
DO NOT RE-USE CONTAINER for any purpose.
RETURN EMPTY CONTAINER AS INSTRUCTED BY SUPPLIER.

SEED LABEL#

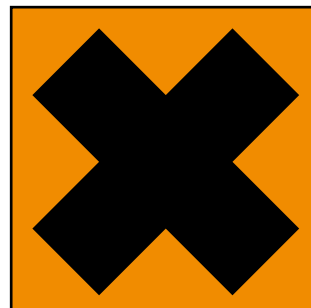
PRECAUTIONS for treated seed

WEAR SUITABLE PROTECTIVE GLOVES when handling treated seed.
DO NOT HANDLE seed unnecessarily
DO NOT USE TREATED SEED as food or feed
HARMFUL TO GAME AND WILDLIFE. To protect birds and wild mammals treated seed should not be left on the soil surface.
BURY OR REMOVE SPILLAGES.
TREATED SEED SHOULD NOT BE BROADCAST
DO NOT APPLY TREATED SEED FROM THE AIR.
KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

FULL TEXT OF SEED TAG LABEL IS AVAILABLE FROM BAYER CROPSCIENCE LIMITED

CHINOOK BLUE

Contains 100 g/L (9.53% w/w) imidacloprid and 100 g/L (9.53% w/w) beta-cyfluthrin

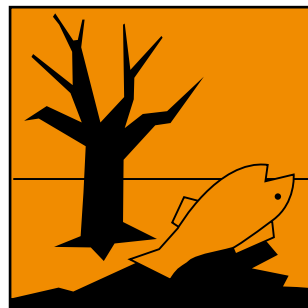


HARMFUL

HARMFUL IF SWALLOWED
VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

This material and its container must be disposed of in a safe way.
Use appropriate containment to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use.



DANGEROUS FOR THE ENVIRONMENT

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL SEED TREATMENT

Crops: Winter oilseed rape and spring oilseed rape
Maximum individual dose: 2.0 litres product per 100 kg seed
Maximum number of treatments: One per crop
Latest time of application: Before drilling

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.

PROTECT FROM FROST

Bayer CropScience Limited
230 Cambridge Science Park
Milton Road, Cambridge CB4 0WB
Telephone: 01223 226500



Bayer CropScience

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.

Safe Handling of 'Chinook Blue' Treated Seed. Chinook Blue can cause a tingling or numbing sensation to exposed skin. Effects are transient (<24 hours), with no long term effects, although some reddening of the skin can occur. Avoid skin contact with treated seed and dust during all drilling operations. Launder coveralls daily

PESTS CONTROLLED

Seed treatment for autumn and spring sown crops of oilseed rape to reduce the damage to seedlings caused by early attacks of cabbage stem flea beetle (*Psylliodes* spp.) and flea beetle (*Phyllotreta* spp.) thereby improving crop establishment.

The possible development of pest strains resistant to Chinook Blue cannot be excluded or predicted. Where such resistant strains occur, Chinook Blue is unlikely to give satisfactory control.

CROP SPECIFIC INFORMATION

Chinook Blue may be used on all varieties of autumn and spring sown oilseed rape seed. Treatment should be carried out as near to drilling as possible.

APPLICATION

2.0 litres per 100 kilograms seed.

Chinook Blue should be evenly applied using a Bayer recommended seed treatment machine which has been carefully calibrated to ensure the correct dose rate is applied. Use the product undiluted.

Treated seed should be allowed to dry before being packaged - the subsequent application of talc (1-2 kg per 100 kg seed) can assist the drying process of treated seed.

For further details please contact the local Seed Treatment Engineer of Bayer CropScience Limited.

After use the product application equipment should be thoroughly cleaned using clean water.

Chinook Blue seed treatment should not be used on seed with more than 9% moisture content, on sprouted seed or on cracked, split or otherwise damaged seed.

Treated seed should be stored in a cool, dry, draught and frost-free place until drilled. It is recommended that Chinook treated seed should be sown within 18 months of seed treatment application.

Follow-up spray treatments

Flea Beetle

Chinook Blue will reduce damage caused by early attacks of adult flea beetle. However, when adult flea beetle activity is heavy and prolonged, it may be necessary to use a follow-up spray treatment, especially on spring sown crops. In such situations crops treated with Chinook Blue should be monitored and a suitable foliar treatment used if necessary.

INSECT RESISTANCE

The possible development of pest strains resistant to Chinook Blue cannot be excluded or predicted. Where such resistant strains occur, Chinook Blue is unlikely to give satisfactory control.

COMPANY ADVISORY INFORMATION

Container handling and method of use

This container must only be used in conjunction with Bayer CropScience approved seed treatment application equipment. Containers of greater than 20 litres capacity should only be handled with mechanical assistance.

Place container on a firm level surface, near a transfer or metering pump.

Correct protective clothing (gloves, coveralls) must be worn when carrying out the coupling, uncoupling or agitation procedures. Details of these procedures are given in the attached operating instructions. ALWAYS follow the operating instructions.

Warning: during disconnection of the container it is possible that small quantities of the product may remain in/on the couplings and fittings. It is therefore essential that operators work to procedures aimed at containing this potential minor spillage of product.

Empty containers must be treated in the same manner as full or part used containers as it is likely that there will be a significant residual volume. Any damage to the container should be reported to the supplier. DO NOT remove or tamper with any of the IBC fixtures or fittings.

Agitation:

When the container is connected to the transfer pump the contents are agitated by product being returned to bulk when the transfer pump is in operation.

In normal use during the processing season further agitation is unnecessary.

If the product has been left to stand for more than 2 months, full agitation may be necessary to re-suspend the product before use. FOLLOW the operating instructions on how to recirculate. The pump will need to run for at least 30 minutes to re-suspend the product.

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