



Seed treatment for autumn sown crops of oilseed rape to reduce the damage to seedlings caused by early attacks of cabbage stem flea beetle (*Psylliodes chrysocephala*) thereby improving crop establishment. Also reduction of attack from turnip sawfly larvae (*Athalia rosea*), and aphids, particularly *Myzus persicae*, thus reducing the spread of Turnip Yellows Virus (TuYV). Some incidental reduction in the feeding activity of the larval stages of cabbage root fly, which cause some root and subterranean stem damage, can be expected.

MAPP 14029

A flowable concentrate formulation for seed treatment containing 400 g/L (32.5% w/w) clothianidin and 80 g/L (6.51% w/w) beta-cyfluthrin.

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

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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, contaminated surfaces and treated seed.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when bagging.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) BENEATH A DISPOSABLE COVERALL AND SUITABLE PROTECTIVE GLOVES when cleaning and calibrating machinery.  
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  
TAKE OFF IMMEDIATELY all contaminated clothing.  
AVOID ALL CONTACT BY MOUTH.  
AVOID ALL CONTACT BY SKIN.  
WASH HANDS AND EXPOSED SKIN before meals and after work.  
OPEN THE CONTAINER ONLY AS DIRECTED.  
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 water with the product or its container.

HARMFUL TO GAME AND WILDLIFE. To protect birds and mammals, treated seed should not be left on the soil surface. Bury or remove spillages.

The seed coating shall only be performed in professional seed treatment facilities. Those facilities must apply the best available techniques in order to ensure that the release of dust during application to the seed, storage and transport can be minimised.

Adequate seed drilling equipment shall be used to ensure a high degree of incorporation in soil, minimisation of spillage and minimisation of dust emission.

Dangerous to bees. To protect bees and pollinating insects do not drill treated seed where bees are actively foraging. Do not drill treated seed when flowering weeds are present.

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.  
DO NOT USE TREATED SEED as food or feed.  
DO NOT APPLY TREATED SEED FROM THE AIR.  
DO NOT RINSE OUT CONTAINER .  
DO NOT RE-USE CONTAINER for any other purpose.  
RETURN EMPTY CONTAINER TO THE SUPPLIER.

Safety information

Modesto

Contains 400 g/L (32.5% w/w) clothianidin and 80 g/L (6.51% w/w) beta-cyfluthrin



Warning

Harmful if swallowed.

Very toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED Immediately call a POISON CENTER or doctor/physician.

Dispose of contents/container to returnable container supplier

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

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL SEED TREATMENT

Crops:	Winter oilseed rape
Maximum individual dose:	1.25 Litres product per 100 kg seed (12.5 L/tonne)
Maximum number of treatments:	One per batch
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

The active substance clothianidin is a neo-nicotinoid insecticide and beta-cyfluthrin is a pyrethroid insecticide.

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 'MODESTO Treated Seed. Modesto 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.

Modesto improves crop establishment by reducing the damage to seedlings caused by early attacks of cabbage stem flea beetle (*Psylliodes chrysocephala*). It also reduces attack and damage from turnip sawfly larvae (*Athalia rosea*), and aphids, particularly *Myzus persicae*, thus reducing the spread of turnip yellows virus (TuYV). Some incidental reduction in the feeding activity of the larval stages of cabbage root fly, which cause some root and subterranean stem damage, can be expected.

PESTS CONTROLLED

Cabbage stem flea beetle

Useful control of damage to cotyledons and seedlings (shot holing) caused by early attacks of adult cabbage stem flea beetle (*Psylliodes chrysocephala*), thereby improving crop establishment.

Turnip sawfly (*Athalia rosea*)

Useful control of the larval stages of turnip sawfly reducing the feeding activity that causes foliar damage.

Peach potato aphid (*Myzus persicae*)

Control of peach potato aphid thereby reducing the spread of turnip yellows virus (TuYV) [formerly beet western yellows virus (BWYV)] and thus improving the yield potential of the crop. Where aphid 'fly in' or presence is prolonged in the crop in the late autumn and into the early spring, application of a foliar insecticide of a different chemical class may be required to reduce the re-infection of the crop with the virus.

CROP SPECIFIC INFORMATION

Modesto may be used on all varieties of autumn sown oilseed rape seed.

APPLICATION

1.25 Litres per 100 kilograms seed.

Modesto must only be used in conjunction with Bayer CropScience approved seed treatment application equipment by following the procedures given in the operating instructions. ALWAYS follow the operating instructions.  
Modesto should be evenly applied using a Bayer CropScience recommended seed treatment machine which has been carefully calibrated to ensure the correct dose rate is applied. Use the product undiluted.

Warning: containers greater than 20 Litres capacity should be handled only with mechanical assistance.

Ensure that Modesto is homogeneous before use. Where necessary, the product should be fully re-dispersed using a re-circulating pump or mechanical agitator.

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

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

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

Modesto 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.

Seed treated with Modesto must be drilled (not broadcast) and kept in a cool dry draught-free place until use.

Follow-up spray treatments

Modesto will reduce damage caused by early attacks of adult cabbage stem flea beetle and other pests. However, when pest activity is heavy and prolonged, it may be necessary to use a follow-up spray treatment. In such situations crops treated with Modesto should be monitored and a suitable foliar treatment used if necessary.

TIMING OF SEED STORAGE

Use treated seed within 18 months of treatment.

RESISTANCE MANAGEMENT

Use of this product should form part of a resistance management strategy. Where a neo-nicotinoid seed treatment has been used, the first subsequent foliar spray should be made with a product containing a different active substance and from a different mode of action class. Consult the IRAG website for further information on a particular management strategy for the targets in question.

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 re-circulate. The pump will need to run for at least 30 minutes to re-suspend the product.

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To access the **Safety Data Sheet** for this product scan the code or use the link below:

[www.bayercropscience.co.uk/modestosds](http://www.bayercropscience.co.uk/modestosds)

or alternatively contact your supplier