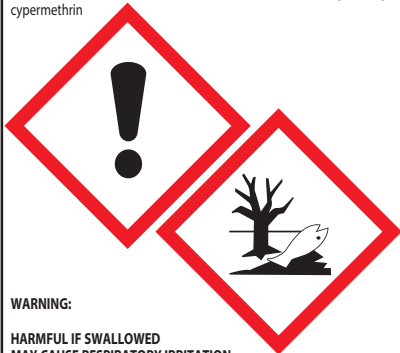


SIGNAL® 300 ES

An emulsion for seed treatment formulation containing 300 g/L cypermethrin



WARNING:

HARMFUL IF SWALLOWED
MAY CAUSE RESPIRATORY IRRITATION
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY
AVOID RELEASE TO THE ENVIRONMENT
CALL A POISON CENTRE OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL
COLLECT SPILLAGE
STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED
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-benzisothiazol-3(2H)-one. May produce an allergic reaction. To avoid risks to human health and the environment, comply with the instructions for use

SIGNAL® 300 ES is property of Arysta LifeScience Group

Emulsion for seed treatment containing 300 g/L cypermethrin

For the reduction of wireworm (*Agriotes* spp.) and wheat bulb fly (*Delia coarctata*) in wheat and barley

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

AGITATE WELL BEFORE USE

Approval Holder:

Arysta LifeScience Registrations Great Britain Ltd,
Brooklands Farm, Cheltenham Road, Evesham, Worcestershire, WR11 2LS

Marketing Company:

Arysta LifeScience Great Britain Ltd.
3-5 Melville Street, Edinburgh, United Kingdom, EH3 7PE
Tel.: 01482 231772

In case of toxic or transport emergency, ring +44 (0) 1235 239 670 (24 hour).

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL SEED TREATMENT

| | | |
|--------------------------------------|--|--------------------------------|
| Crops : | Wheat (seed) | Barley (seed) |
| Maximum individual dose: | 2.0 L product per 1000 kg seed | 2.0 L product per 1000 kg seed |
| Maximum number of treatments: | one per batch | one per batch |
| Latest time of application: | pre-drilling | pre-drilling |
| Other specific restrictions: | Signal 300 ES must only be applied to cereal seed sown in the autumn/winter. | |

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.

Batch No.: see container

SAFETY PRECAUTIONS (when handling the product)

Operator Protection

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the product, contaminated surfaces or treated seed.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when cleaning equipment.
*A disposable filtering facepiece respirator to at least EN 149 FFP3, or equivalent.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when bagging treated seed.
However engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection

WASH HANDS AND EXPOSED SKIN before meals and after work.
WASH CONCENTRATE from skin or eyes immediately.
IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).
WHEN USING DO NOT EAT, DRINK OR SMOKE.

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.
To protect birds/wild mammals, treated seed should not be left on the soil surface. Bury or remove spillages.

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.
WASH OUT CONTAINER THOROUGHLY and dispose of safely.
DO NOT REUSE CONTAINER FOR ANY OTHER PURPOSE.

SAFETY PRECAUTIONS (when handling treated seed).

LABEL TREATED SEED with the appropriate precautions using printed sacks, labels or bag tags.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling treated seed.
DO NOT HANDLE seed unnecessarily.
DO NOT USE TREATED SEED as food or feed.
KEEP TREATED SEED SECURE from people, domestic stock/pets and wildlife at all times during storage and use.
HARMFUL TO GAME AND WILDLIFE. Treated seed should not be left on the soil surface. Bury spillages.
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.
WASH HANDS AND EXPOSED SKIN before meals and after work.
DO NOT APPLY TREATED SEED FROM THE AIR.

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

Do not treat seed with a moisture content exceeding 16%.
Do not apply SIGNAL 300 ES to cracked, split or sprouted seed or seed of low germination capacity or vigour.
Seed treated with SIGNAL 300 ES should preferably be drilled in the season of treatment. Although testing has shown SIGNAL 300 ES to have no effect on the storage life of treated seed, the subsequent germination and performance of treated seed may be adversely affected by the physical conditions of storage. The germination capacity of stored seed should therefore be checked thoroughly prior to use. Arysta LifeScience accepts no liability for the performance of stored, treated seed.

Flow of seed through drills may be affected by SIGNAL 300 ES. Always re-calibrate your seed drill with treated seed before drilling.

Treated seed should be stored in a cool, dry, frost-free, well-ventilated building. Signal 300 ES must be co-applied with a suitable seed treatment fungicide for the control of seed and soil-borne disease

Insect control

SIGNAL 300 ES is an emulsion seed treatment containing the insecticide cypermethrin for the reduction of wireworm (*Agriotes* spp.) and improved plant stand, and the reduction of wheat bulb fly (*Delia coarctata*) damage on wheat and barley.

Cypermethrin is a non-systemic soil acting pyrethroid, which kills or repels the larvae of wheat bulb fly which attack young seedlings from below the soil surface. SIGNAL 300 ES provides a zone of protection around the germinating seedling.

In situations where wheat bulb fly egg counts indicate a high risk of severe damage, a follow-up egg hatch or deadhead spray may be required. Where earlier drillings are combined with a late egg hatch, follow-up sprays may also be required.

Caution: The possible development of pest strains resistant to SIGNAL 300 ES cannot be predicted or excluded. If such resistant strains occur, SIGNAL 300 ES is unlikely to give satisfactory control.

Drill treated seed at 2.5-4 cm depth into a firm, well prepared seedbed offering optimal conditions for crop emergence and establishment. Poor seedbeds, deep or shallow drilling may reduce the level of pest control obtained.

Application rates

| CROP | TARGET/CLAIM | RATE OF Signal 300 ES PER 1000 KG SEED |
|------------------|---|--|
| Wheat and Barley | Reduction of : Wireworm (<i>Agriotes</i> spp.) Reduction of : Wheat bulb fly (<i>Delia coarctata</i>) | 2.0 L |

Qualified recommendation on wheat and barley

Effectiveness data on Wheat bulb fly have been extrapolated to claim for some control on Frit fly (*Oscinella frit*).

Application

SIGNAL 300 ES can be applied through most seed treatment machines, both batch and continuous types, where secondary mixing is provided. The machines should be calibrated to apply the recommended dose, and this amount should be distributed evenly between the seeds with good coverage to provide optimum pest control.

A minimum total volume of 4.0 litres (dilution factor of 2) is required. For further information see the compatibility section below.

After application, machinery and pipelines must be washed with clean water.

Compatibility

SIGNAL 300 ES should not be pre-mixed with any other seed treatment product. Signal may be co-applied with Anchor or Rancona 15 ME. For information on compatibility with other products please contact Arysta LifeScience.

ARYSTA LIFESCIENCE ACCEPTANCE OF RESPONSIBILITY

We accept responsibility for this product meeting the declared specification and also for our written directions for use and warnings. Users however should beware that no responsibility can be accepted for use which disregards our written instructions, including directions, warnings and precautions, nor for any advice given by any person whether verbal or written, about storage, mixing and application, or about any use which is not strictly in accordance with our written instructions.