



Apron[®] XL

syngenta[®]

Product registration number: MAPP 14654

An Emulsion for seed treatment containing 339.2 g/l metalaxyl-M.

APRON XL controls *Pythium* spp. in spinach, white cabbage, red cabbage, savoy cabbage, oxheart cabbage, cauliflower, broccoli/calabrese, Brussels sprouts, kohlrabi, Chinese cabbage and onions.

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

SAFETY PRECAUTIONS

a) 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 or treated seed.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (disposable filtering facepiece respirator to at least EN149 FFP2, or equivalent) when cleaning equipment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) 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

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH HANDS AND EXPOSED SKIN before meals and after work

b) 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 and wild mammals treated seed should not be left on the soil surface. Bury or remove spillages.

Treated seed should be precision drilled

If seed is present on the soil surface, or if spills have occurred, then, if conditions are appropriate, the field should be harrowed and then rolled to ensure good incorporation.

DO NOT APPLY TREATED SEED FROM THE AIR

TREATED SEED MUST NOT BE USED as food or feed

c) Storage and disposal

EMPTY CONTAINER COMPLETELY and dispose of safely
KEEP IN ORIGINAL CONTAINER tightly closed in a safe place
DO NOT RE-USE CONTAINER FOR ANY PURPOSE
DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE CONTAINED TREATED SEED for food or feed
LABEL TREATED SEED with the appropriate precautions using printed sacks, labels or bag tags supplied.

PROTECT FROM FROST
STORE IN A COOL DRY PLACE
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Syngenta UK Limited
CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE
Tel: Cambridge (01223) 883400

**In case of toxic or transport emergency
ring (01484) 538444 any time**



This product label is compliant with the CPA Voluntary Initiative (VI) guidance.

Product names marked ® or ™, the ALLIANCE FRAME the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company



20 litres

®

APRON XL

An emulsion for seed treatment containing 339.2 g/l metalaxyl-M.

**Signal Word:**

Warning

Hazard Statements:

Harmful if swallowed.
Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

Precautions Statements:

Keep out of reach of children.
Do not eat, drink or smoke when using this product.
Wear eye protection/face protection.
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Rinse mouth.
If eye irritation persists: Get medical advice/attention.
Collect spillage.

Supplemental Information:

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.
To avoid risks to human health and the environment, comply with the instructions for use.
Contains 1, 2-benzisothiazol-3-one. May produce an allergic reaction.

MAPP 14654

FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL SEED TREATMENT

For use on: Spinach (seed), cabbage (seed), cauliflower (seed), broccoli/calabrese (seed), Brussels sprouts (seed), kohlrabi (seed), Chinese cabbage (seed) and bulb onion (seed)

Maximum Individual Dose: 0.5 ml/kg seed

Maximum Number of Treatments: One per batch

Latest Time of application: Pre-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 PRACTISE FOR USING PLANT PROTECTION PRODUCTS.

This leaflet is part of the approved Product Label.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

DISEASES CONTROLLED

APRON XL is an emulsion formulation for seed treatment containing 339.2 g/l metalaxyl-M. The product is intended for use as a seed treatment for protection against infestation of *Pythium* spp in a range of vegetable crops.

CROP SPECIFIC INFORMATION

Crops

Spinach

For the control of *Pythium spp*. Limited data indicates that in spinach activity against *Pythium spp*. can be variable depending on the composition of the population. During the period December until February the soil should be covered after drilling to encourage germination. This could be either fleece or a plastic tunnel.

Dose rate: 0.5 ml APRON XL per kg of seed.

White cabbage, red cabbage, savoy cabbage, oxheart cabbage, cauliflower, broccoli/calabrese, Brussels sprouts, Chinese cabbage, kohlrabi and onions.

For the control of *Pythium spp*.

Dose Rate: 0.5 ml APRON XL per kg seed

Timing

Before drilling

MIXING AND APPLICATION

APRON XL should be applied through continuous flow or batch seed treaters. Adequate seed coverage should be obtained if APRON XL is added during the mixing of the seeds. Calibration of the dose rates needs to be done before use. The method depends on the equipment used. Consult the manual for the machine or seek further advice from Syngenta. The treatment equipment used should be a closed system in order to minimise the risk of contact with the product. Safety precautions should be followed throughout.

APRON XL is usually applied during the process of pelleting vegetable seeds. Pelleting requires specialist equipment. If necessary Syngenta UK Limited can be consulted for advice on application during the pelleting process.

Mixing Procedure

1. Calculate the quantity of seeds to be treated.
2. Calculate the dose rate of product to be applied
3. Prepare the mixture. It is normal to use a mixture of 50% water to 50% product but this also depends on the application machinery being used. A dilution rate of four parts water to one of product is usually the maximum dilution rate used.
4. Ensure that there is good agitation to keep the product evenly suspended.
5. Ensure that the application equipment is properly calibrated for the seed to be treated.
6. Apply the product. Do not leave the mixed slurry for any period without agitation.

Storage after Treatment

Ensure seed is of a satisfactory moisture content before storage. Keep in a dry place, correctly labelled.

Treated seed not drilled in the intended season of use may be stored for drilling one season later. Stored seed should be kept secure in a cool dry location.

Drilling

The sowing / drilling method appropriate for the crop should be followed. APRON XL does not have any known adverse effect on the drilling method.

COMPANY ADVISORY INFORMATION

Resistance:

APRON XL contains a phenylamide fungicide. A number of diseases, including Pythium species, have developed resistance to phenylamides. Strains of diseases including “downy mildew” resistant to the phenylamide group of fungicides, which includes metalaxyl-M are known to occur in some regions of the United Kingdom. Where strains of pathogens resistant to metalaxyl-M develop APRON XL may not give satisfactory control of the disease. Where there is a known resistance problem with metalaxyl-M growers should seek other methods of disease control.

While fungicides such as metalaxyl-M are an important tool for minimising the effect of pathogens on crops growers should always seek to combine fungicidal seed treatment with appropriate cultural methods for reducing diseases. Clean healthy seed should be used, and where possible, varieties should be selected which offer resistance or tolerance of commercially important pathogens. Use of these techniques should also be supported by optimising the growing conditions for the crop so as to minimise the impact of pathogens on the health of the crop.

Contact your APRON XL distributor or Syngenta UK Limited if you believe you have a problem.

This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack.

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