Product registration number: MAPP 14255.

APACHE is a suspo-emulsion containing 375 g/l chlorothalonil, 62.5 g/l propiconazole and 50 g/l cyproconazole.

For the control of a wide range of diseases on winter wheat, winter barley and spring barley.

SAFETY PRECAUTIONS

(a) Operator protection
Engineering controls 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 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.
WASH ALL PROTECTIVE CLOTHING thoroughly after use especially the insides of gloves.
DO NOT BREATHE SPRAY.
WASH SPLASHES from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

(b) Environmental protection
To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 7 m of the top of the bank of a static or flowing water body or within 1 m from the top of a ditch which is dry at the time of application. Aim spray away from water. ALL CROPS WITH A BUFFER ZONE GREATER THAN 5M ARE NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYER SCHEME.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD’s published guidance or the statutory buffer zone must be maintained. NOTE ALL BUFFER ZONES MORE THAN 5M ARE NOT REDUCIBLE. The results from the LERAP must be recorded and kept available for three years.

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.

(c) Storage and disposal
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.
DO NOT RE-USE CONTAINER for any purpose.

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

In case of toxic or transport emergency ring +44 (0)1484 538444 any time

Syngenta UK Limited
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This product label is compliant with the CPA Voluntary Initiative (VI) guidance.
APACHE
A suspo-emulsion containing 375 g/l chlorothalonil, 62.5 g/l propiconazole and 50 g/l cyproconazole.

Signal Word
Warning

Hazard Statements
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
Suspected of damaging the unborn child.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements
Keep out of reach of children.
Avoid breathing dust/fumes/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
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.
To avoid risks to human health and the environment comply with the instructions for use.

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

IMPORTANT INFORMATION
FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE.
For use on winter wheat and winter and spring barley.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Maximum Individual Dose</th>
<th>Maximum Total Dose</th>
<th>Latest time of application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter wheat</td>
<td>2.0 litres product per hectare</td>
<td>4.0 litres product/hectare/crop</td>
<td>Before caryopsis watery ripe stage (GS 71)</td>
</tr>
<tr>
<td>Barley (Winter and Spring)</td>
<td>2.0 litres product per hectare</td>
<td>4.0 litres product/hectare/crop</td>
<td>Before first spikelet just visible (GS 51)</td>
</tr>
</tbody>
</table>

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.
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.

GENERAL INFORMATION

APACHE is a suspo-emulsion containing 375 g/l chlorothalonil, 62.5 g/l propiconazole and 50 g/l cyproconazole for use as a foliar fungicide.

APACHE contains both sterol biosynthesis inhibitors (SBI) and phthalonitrile fungicides. APACHE has systemic and preventative properties for control of a wide range of diseases on all commercial varieties of winter wheat, winter barley and spring barley.

SBI’s inhibit ergosterol biosynthesis and cell wall production. The mode of action is different from other fungicides and there is no known cross resistance to this mode of action in pathogens that have developed reduced sensitivity to other fungicide groups. Chlorothalonil is a multi-site fungicide and shows no cross resistance to other fungicide groups.

Treatment at early stages of disease development will ensure the best results.

Caution
The possible development of resistance to APACHE cannot be predicted. Should it occur APACHE may not give satisfactory control and no responsibility can be accepted for any loss incurred.

APACHE applied to wheat in the spring at GS 30-33 may, on occasion, cause straw shortening. This effect causes no loss of yield and can be beneficial in a potential lodging situation.
DISEASES CONTROLLED

APACHE controls the following diseases:

**Winter Wheat**
Brown Rust (*Puccinia recondita*)
Leaf Spot (*Mycosphaerella graminicola*)
Yellow Rust (*Puccinia striiformis*)
Powdery Mildew (*Erysiphe graminis hordei*) **MODERATE**

**Barley (Winter and Spring)**
Net blotch (*Pyrenophora teres*) **REDUCTION**
Powdery Mildew (*Erysiphe graminis hordei*) **REDUCTION**
Leaf Blotch (*Rhynchosporium secalis*) **REDUCTION**
Brown Rust (*Puccinia hordei*)

A reduction in barley spotting is also achieved when used as part of a programme with other fungicides.

CROP SPECIFIC INFORMATION

For use on all varieties of winter wheat and winter and spring barley.

Avoid applying APACHE to crops under stress.

**Timing**

For the control of Powdery mildew, yellow and brown rust, *Mycosphaerella graminicola*, Net blotch and *Rhynchosporium*, apply at the first sign of disease.

For eyespot when applied before or during the period of stem extension in the spring (GS 30-32), APACHE will give a useful reduction.

Always inspect the crops to assess disease development immediately before spraying. Best results will be achieved from applications made as a protectant treatment or in the earliest stages of disease development following a disease risk assessment or the use of appropriate decision support systems.

The latest time of application for APACHE is before GS 71 (grain watery stage) for winter wheat and before GS 51 (beginning of heading, first spikelet just visible) for barley.
Rates of Use
Apply APACHE at 2.0 l/ha. A maximum of 4.0 l/ha APACHE may be used per crop.

MIXING AND SPRAYING

Apply APACHE in 200 litres of water per hectare using a tractor mounted sprayer and a medium spray as defined by BCPC. A spray pressure of 2-3 bars is recommended.

Make sure the sprayer is set to give an even application at the correct volume.

Fill the spray tank with half the required volume of clean water and start agitation. Add the required amount of APACHE to the spray tank. Top up tank with water to the required level. Continue agitation whilst topping up the spray tank and continue agitation during spraying. Wash out all spray equipment thoroughly with water immediately after use.

Wash out container thoroughly, preferably using an integrated pressure rinsing device, or manually rinse three times. Add washings to the sprayer at the time of filling. Complete filling to the required volume and continue to agitate throughout the spraying operation.

The spray solution must not be left in the tank and should be used as soon as possible after mixing.

RESISTANCE MANAGEMENT

APACHE is a co-formulated mixture of triazoles and chlorothalonil. These active ingredients possess different modes of action thus form part of a resistance management strategy.

APACHE should be used preventatively and should not be relied upon for its curative potential.

Use APACHE as part of an integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate, other fungicides with a different mode of action.
APACHE contains a DMI fungicide. Resistance to some DMI fungicides has been identified in Septoria leaf blotch (*Mycosphaerella graminicola*) which may seriously affect the performance of some products. For further advice on resistance management in DMIs contact your agronomist or specialist advisor, and visit the FRAG-UK website.

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