ASPIRE

GROUP 3 FUNGICIDE
GROUP 5 FUNGICIDE

An Emulsifiable Concentrate (EC) formulation containing 160 g/L prothioconazole and 300 g/L spiroxamine for use as a fungicide for the control of stem-base, foliar and ear diseases in wheat, durum wheat, rye, triticale, barley and oats.

FOR PROFESSIONAL USE ONLY

SAFETY INFORMATION

Harmful if swallowed or if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.
Call a POISON CENTRE or doctor/physician if you feel unwell.
Protect from sunlight.

Contains prothioconazole: May produce an allergic reaction.
Contains spiroxamine: May produce an allergic reaction.

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

Warning

PCS No. 07546

PROTECT FROM FROST

SHAKE WELL BEFORE USE

Batch no.:
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Emergency no.: In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

SAFETY PRECAUTIONS
Operator protection
Avoid contact with skin.

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 aquatic organisms respect an unsprayed buffer zone of 5 m to surface water bodies.
Spray must be aimed away from water.

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 FEEDING STUFFS.
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
DO NOT RE-USE CONTAINER for any other purpose.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

DIRECTIONS FOR USE
ASPIRE is a mixture of triazolinthione and spiroketoalamine fungicide recommended for control of a wide range of diseases on wheat, durum wheat, rye, triticale, barley and oats.

RATE OF USE

Crops	Maximum individual dose (L product/Ha)	Maximum total dose (L product/Ha)	Latest time of application
Winter wheat, spring wheat, durum wheat, rye and triticale	1.25	2.5	Before caryopsis watery ripe stage (GS 71)
Winter barley, spring barley, winter oats and spring oats	1.25	2.5	Beginning of flowering (GS 61)
Other specific restrictions: There must be a 14 day interval between treatments			

Method of application: Tractor mounted/trailed horizontal boom sprayer.
A spray pressure of 2-3 bar is recommended.
Apply ASPIRE in 100 – 300 litres of water per hectare. The higher spray volumes are recommended where the crop is dense if disease pressure / risk is high to ensure good penetration to the lower leaves and stem bases. Disease control maybe compromised by reducing water volumes where good spray coverage is difficult to achieve.
Apply as a MEDIUM spray quality (as defined by BCPC).

DISEASES CONTROLLED

Disease	Wheat	Barley	Oats	Triticale	Rye
Eyespot (*Oculimacula spp*)	R	R	R	R	R
Septoria Leaf Blotch (*Mycosphaerella graminicola*)	MC	-	-	MC	MC
Glume Blotch (*Stagonospora nodorum*)	MC	-	-	-	MC
Powdery Mildew (*Blumeria graminis*)	C	C	C	C	C
Yellow Rust	C	C	-	C	
Brown Rust	MC	C	-	C	C
Crown Rust	-	-	C	-	-
Tan Spot	MC	-	-	-	-
Fusarium Ear blight	MC	MC	-	MC	MC
Sooty Moulds	R	R	-	R	R
Rhynchosporium Leaf Blotch	-	C	-	C	C
Net Blotch	-	C	-	-	-

C= Control MC = Moderate Control R = Reduction

Wheat: Eyespot, Septoria leaf blotch*, glume blotch*, powdery mildew, yellow rust, brown rust*, tan spot*, *Fusarium* ear blight* and sooty moulds.
Barley: Eyespot, powdery mildew, yellow rust, brown rust, Fusarium ear blight*, reduction of sooty moulds, *Rhynchosporium* leaf blotch and net blotch.
Oats: Eyespot, powdery mildew and crown rust.
Triticale: Eyespot, *Septoria* leaf blotch*, powdery mildew, yellow rust, brown rust, *Fusarium* ear blight*, sooty moulds, *Rhynchosporium* leaf blotch and net blotch.
Rye: Eyespot, Septoria leaf blotch*, glume blotch*, powdery mildew, brown rust, *Fusarium* ear blight*, sooty moulds and *Rhynchosporium* leaf blotch.

* ASPIRE will provide moderate control of these diseases

APPLICATION TIMING
There must be a 14 day interval between treatments.
Eyespot (*Oculimacula spp.*)
Spray in the spring at the first sign of disease, from when the leaf sheaths begin to become erect until the 2nd node is detectable (GS 30–32).
Septoria Leaf Blotch and Glume Blotch (*Mycosphaerella graminicola* and *Stagonospora nodorum*)
Apply before disease is established in the crop. To protect the upper leaves and ear apply ASPIRE at full flag leaf emergence (GS 37) up to mid-flowering (GS 65). Where disease pressure remains high, application may be repeated.
Applications to upper leaves where *S. tritici* symptoms are present are likely to be less effective.
Powdery Mildew (*Blumeria graminis*)
Apply ASPIRE at the first signs of disease. Where disease pressure remains high application may be repeated.
Yellow Rust (*Puccinia striiformis*)
Apply ASPIRE at the first signs of disease. A second application may be made 21 days later if re-infection occurs. Applications made to established infections are likely to be less effective.
Brown Rust (*Puccinia hordei* and *P. recondita*)
Apply ASPIRE at the first signs of disease. A second application may be made 21 days later if re-infection occurs. Applications made to established infections are likely to be less effective.
Crown Rust (*Puccinia coronata*)
Apply ASPIRE at the first signs of disease. ASPIRE controls crown rust in winter and spring oats. A second application may be made 21 days later if re-infection occurs.
Applications made to established infections are likely to be less effective.
Tan Spot (*Pyrenophora tritici-repentis*)
Apply ASPIRE at the first signs of disease in spring or early summer. Where disease pressure remains high the application may be repeated.
Ear Disease Complex
Apply ASPIRE soon after ear emergence until the end of flowering (GS 59–69). Control of ear diseases can result in cleaner, brighter ears.
Leaf Blotch (*Rhynchosporium commune*)
Apply ASPIRE in spring at the first signs of disease. For severe infections a second application may be necessary 21 days later.
Net Blotch (*Pyrenophora teres*)
Apply ASPIRE at the first signs of disease in spring/early summer. For severe infections, a second application 21 days later will give most effective control when conditions remain favourable for disease development.

CAUTION: The possible development of disease strains resistant to ASPIRE cannot be excluded or predicted. Where such resistant strains occur, ASPIRE is unlikely to give satisfactory control.

RESISTANCE STRATEGY
Repeated application of ASPIRE alone should not be used on the same crop against a high risk pathogen such as cereal powdery mildew. Tank mixes or alternation with fungicides having a different mode of action have been shown to protect against the development of resistant forms of disease.
Take all precautionary measures to reduce the selection pressure for insensitive Septoria tritici strains (e.g. tank mix with product having a different mode of action which is active against Septoria). Consult your advisor for up to date guidance regarding current resistance status and a strategy for preventing and managing resistance in the cereal pathogens listed on the label. The Fungicide Resistance Action Committee (FRAC) produces recommendations that may be consulted for additional information.

CROP SPECIFIC INFORMATION
ASPIRE may be used on all commercial varieties of wheat, barley, oats, triticale and rye.

Mixing
Thoroughly shake the pack before use.
Add the required quantity of ASPIRE to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

General
Sprayers should be thoroughly cleaned before use, and filters and jets checked for damage and blockages.
Boom height should be adjusted to ensure even coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop, in dense crops, at later growth stages, higher water volumes should be used.
Spray equipment should be thoroughly cleaned with water and detergent after use.

CONDITIONS OF SUPPLY
All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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