

AGRICHEM® HY-PRO DUET

Contains: 150g prochloraz per litre (12.6% w/w) and 333g thiram per litre (27.9%w/w).

Agrichem HY-PRO Duet is a flowable concentrate liquid seed treatment that provides control of seed-borne *Phoma lingam* on winter Oilseed Rape. It also protects seeds and seedlings from fungi of the soil-borne 'damping off' complex.

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

MAPP 14018

IMPORTANT INFORMATION

FOR USE ONLY BY COMPETENT PERSONS AS AN AGRICULTURAL SEED TREATMENT

Crops	Winter Oilseed Rape seed
Maximum individual dose	9mls/kg seed
Maximum number of treatments	One per crop
Maximum total dose	9mls per crop
Latest time of application	Pre-sowing
Other Specific Restrictions:	The empty container must be returned to the supplier. The empty container must not be re-used for any other purpose.

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.

Agrichem HY-PRO Duet is an approved product of Agrichem Limited, which is an associated company of Agrichem (International) Limited.

CLP INFORMATION

This product is approved under the Control of Pesticides Regulations 1986 (as amended)



WARNING

**Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
May cause damage to respiratory tract/lungs through prolonged or repeated exposure.
Do not breathe mist/spray.
Wear protective gloves, clothing and face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Avoid release to the environment.
Dispose of contents/container to a licensed waste disposal contractor or collection site.
Contains Thiram and PROXEL GLX. May produce an allergic reaction.
To avoid risk to human health and the environment comply with the instructions for use.**



This label is compliant with the CPA Voluntary Initiative



Prochloraz is a product of ADAMA AGRICULTURAL SOLUTIONS UK LTD

UN3082

Contents:

198 Litres e

Batch No
PROTECT FROM FROST

AGRICHEM® HY-PRO DUET

SAFETY PRECAUTIONS

Operator Protection

* Engineering control of operator exposure must be used where reasonably practicable, in addition to the following personal protective equipment,
*OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.
*OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces or handling treated seed.
*OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when bagging 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 CONCENTRATE from skin or eyes immediately.
WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking
WASH ALL PROTECTIVE CLOTHING thoroughly after use especially the insides of gloves.

Environmental Protection

Treated seed is harmful to game and wildlife, all spillages must be buried or removed.
'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.'

Other specific restrictions

Treated seed must not be used for food or feed.
Sacks containing treated seed must not be re-used for food or feed.
Treated seed must not be applied from the air.

Handling/Storage of Empty Containers

* KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
KEEP OUT OF THE REACH OF CHILDREN.

Do not open or rinse out containers.
Store in purpose built chemical store until returned to supplier for refilling.
Empty containers must be treated as if containing chemical and transported accordingly.

Agrichem HY-PRO Duet contains protectant fungicides with activity against seed-borne *Phoma lingam*. It will not control symptoms of *Phoma* such as leaf spotting, where these arise from spores on trash in the seed bed. It has no insecticidal activity and a suitable insecticide treatment may be required to protect seedlings from Flea beetle or Cabbage Stem Flea beetle damage.

Agrichem HY-PRO Duet is a coloured formulation, appearing blue on the seed surface. If an alternative colour is required, a co-application with a Polymer coating treatment or coloured insecticidal seed treatment may be possible. Agrichem can advise on the use of other co-applied treatments with **Agrichem HY-PRO Duet**.

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:

Seed to be treated with **Agrichem HY-PRO Duet** should be of satisfactory quality and moisture content. Treated seed should be sown as soon as possible after treatment, and should not be stored from one season to the following season.

Following Crops:

Any crop may be sown after growing a crop of Oilseed rape where the seed was treated with **Agrichem HY-PRO Duet**.

APPLICATION:

Agrichem HY-PRO Duet can be applied through most types of seed treatment machinery, from automated, continuous flow machines, to smaller batch treating apparatus. It is a ready to use, flowable formulation. Do not co-apply **Agrichem HY-PRO Duet** with water.

Ensure the product is thoroughly agitated before each application in order to achieve an even loading.

Check drill calibration before drilling seed treated with **Agrichem HY-PRO Duet**.

HANDLING AND USE OF IBCs

IMPORTANT: Containers of greater than 20 litres capacity should only be handled with mechanical assistance. Always use the drum valve closures and compatible couplers to remove, agitate and/or re-suspend **Agrichem HY-PRO Duet** from the IBC.

Place the IBC on a firm level surface, near a transfer or metering pump.

Wear correct protective clothing (gloves, coveralls, rubber boots and face protection) when carrying out the coupling, uncoupling or agitation procedures.

ALWAYS follow the Operating Instructions.

Additional information for use of DRUM VALVE CLOSURE

DRUM VALVE - Connection

Attach coupler to valve ensuring handle is in fully-up position. Turn coupler clockwise approximately 90° to engage until a stop is reached. Press down coupler handle so that locking mechanism is engaged. Drum can now be emptied.

DRUM VALVE - Disconnection

Press down coupler handle and depress locking mechanism allowing handle to spring up, closing valve in drum. Turn coupler anti-clockwise and remove from drum.

Operating Instructions

To Connect:

- 1) Switch off the transfer pump.
- 2) Check that entry and exit couplers are attached to the ends of the flexible suction tubes.
- 3) Attach the exit and entry couplers to their respective ports on the IBC. NB These couplers are not interchangeable. (Refer to Additional Information for use of Drum Valve Closures for instruction on connecting and disconnecting the couplers.)
- 4) Once these couplers are connected the product is ready for use.

Refer to the Instructions for Use of the transfer pump.

Whilst the transfer pump is connected as described the product is agitated by being returned to the bulk. This is sufficient agitation for daily use.

To Disconnect:

- 1) Switch off the transfer pump.
- 2) Release the entry and exit couplers and lodge them in the designated spots.

WARNING: during disconnection of the container it is possible that small quantities of **Agrichem HY-PRO Duet** may remain in or on the couplings and fittings. It is therefore essential that operators maintain procedures that aim to contain this potential minor spillage of product.

Empty containers must be treated in the same manner as full or part used containers. This is as a precaution, should they contain 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:

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

To Re-suspend:

Turn the ball valve in the service line to the off position and open the ball valve in the return line. Switch on the transfer pump. All the **Agrichem HY-PRO Duet** present in the lines will be delivered back to the transfer pump. Maintain this operation for 30 minutes to completely re-suspend the product.

When this agitation process is completed, switch off the transfer pump, open the ball valve in the service line and close the ball valve in the return line. The transfer pump should be switched off when it is not required for agitation or delivery of product.

CROP SPECIFIC INFORMATION:

Agrichem HY-PRO Duet is applied to Winter Oilseed rape seed for the control of seed-borne *Phoma lingam*. It also controls the soil-borne fungi that are the cause of 'damping off' of seedlings.

Use at a rate of **9 mls per kg seed**.

Good coverage of the seed surface is essential for control of seed-borne disease.

COMPATIBILITY

Agrichem HY-PRO Duet is NOT compatible with any other seed treatment as a tank mix. DO NOT mix **Agrichem HY-PRO Duet** with any other seed treatment product before use.

LABEL TREATED SEED

WITH THE APPROPRIATE PRECAUTIONS USING PRINTED SACKS, LABELS OR BAG TAGS.

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. DO NOT RE-USE SACKS OR CONTAINERS THAT HAVE BEEN USED FOR TREATED SEED for food or feed.

To protect birds/wild animals, treated seed should not be left on the soil surface. Bury or remove spillages. Treated seed should not be applied from the air.

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Control of Pesticides Regulations 1986 or the Plant Protection Products Regulation 1955.

TERMS AND CONDITIONS OF SUPPLY, SALE OR USE.

The goods supplied by Agrichem (International) Ltd are suitable for the purposes expressly set out in this label when stored, handled, mixed, applied and used in accordance with the instructions on this label. Agrichem (International) Ltd gives no warranty, statutory or otherwise as to the quality or fitness for purpose of the goods other than that expressly set out above. Agrichem (International) Ltd accepts no liability for any injury, loss of life (except where caused by its negligence), damage or direct or indirect or consequential loss (all three of which terms include, without limitation, pure economic loss, loss of profits, loss of business, depletion of goodwill and like loss) howsoever caused arising out of or in connection with the storage, handling, mixing, application or use of goods otherwise than in accordance with these directions. A copy of Agrichem's full set of Terms and Conditions are available on request from Agrichem (International) Ltd.



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