

Agrichem[®] (International) Limited

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Agrichem[®] HY-PRO Duet

- Fungicide seed treatment for use on winter oilseed rape.
- For the control of seed-borne *Phoma lingam* and seed damping off.
- Levels of stem canker pre-harvest are growing.
- Boosts establishment.
- Protection against airborne spores up to 2 leaves.
- Co-apply with Chinook for complete pest and disease control for oilseed rape seed.

Agrichem[®] (International) Ltd is the approved marketing company of Agrichem[®] HY-PRO Duet which contains thiram and prochloraz. Chinook is a registered trademark of Bayer and contains imidacloprid and beta-cyfluthrin.

Always read the label: use pesticides safely. Agrichem (International) Ltd.
www.agrichem.co.uk



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Phoma lingam is one of the major diseases in oilseed rape crops throughout the UK. In the 2006/07 season crop disease surveys* indicated that at full leaf cover in the autumn, 90% of crops were infected. Whereas at pod ripening of the previous crop 94.9% of crops were infected with stem canker, compared with the long term average of 48%. This resulted in a greater proportion of phoma pod spotting which ultimately leads to seed infection. Agrichem® **HY-PRO Duet** controls seed-borne *P. lingam*, so removing one of the potential sources of the Stem Canker inoculum for the next years crop. Other sources of Stem Canker include spores released from trash to infect seedling rape plants. The two active ingredients in Agrichem® **HY-PRO Duet** are not systemic, they have no effect on these sources of aerial infection (except as stated below).

Efficacy against seed-borne *Phoma lingam* proven in trials.

In 22 trials on seed infected with *P. lingam*, to the extent of 7.75% - 99% disease loading was reduced following treatment with the prochloraz/thiram mixture by an average of **98.5%**.

Protection against airborne spores.

In trials, Agrichem® **HY-PRO Duet** reduced infection of the cotyledons from aerial spores by 77% compared with the control. This benefit was still present at leaf 2 where the reduction was 39%.

The performance of Agrichem® **HY-PRO Duet** was more consistent than that of the current co-applied fungicidal treatment.

As Agrichem® **HY-PRO Duet** also contains thiram it is effective in preventing 'damping off' due to soil-borne fungi and thiram has also been long recognised as having an effect in reducing seed-borne *Phoma* and *Alternaria* (Humpherson-Jones & Maude 1984).

Both Chinook and Agrichem® **HY-PRO Duet** have proved very safe to the seed, but Agrichem® is also seeing an additional benefit in establishment terms from using Agrichem® **HY-PRO Duet** alongside Chinook.

Field trials sown in the UK show the additional benefit of using Agrichem® **HY-PRO Duet** alongside **CHINOOK**. When compared against control, the combined treatment resulted in an average increase in plant establishment of 26%.

Drill Flow:

Drilling trials with Agrichem® **HY-PRO Duet** treated seed have demonstrated the ease of flow of the treated seed. The treated seed flows without causing blockages or bridging. Seed drills must always be re-calibrated before sowing treated seed.

Agrichem® **HY-PRO Duet** is a ready to use water based flowable formulation containing 150g/l prochloraz and 333g/l thiram. It should be applied as the concentrate to winter Oilseed Rape seed at 900 mls per 100kg.

Chinook® is a Registered Trade Mark of Bayer and contains imidacloprid and beta-cyfluthrin. Agrichem® **HY-PRO Duet** is a trade mark of Agrichem® and contains prochloraz and thiram.

MAPP no 12469.

* Central Science Laboratories Crop Monitor.
Always read the label. Use pesticides safely.

For further information please contact

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