

## RED WHEAT BULLETIN

### AUTUMN SOWN CROPS

April is the key month for A C Barrie. During this month the crop lays down all its ears and grain sites, commences stem extension and quadruples in size. If the crop is "stressed" during this month grain sites abort, so limiting the potential yield – potential loss at this time is not retrievable, so our aim is to minimise crop stress during the early season.

We do this by:

- ensuring fertiliser is available for optimum nutrition,
- keeping the crop free from disease,
- boosting the crop growth, especially rooting, with Moddus, and
- foliar feeding to avoid possible trace element deficiency.

Fertiliser, T0 fungicides, PGR use and known trace element requirements were dealt with in bulletin 02/10. By mid April the crop will reach GS 30/31 and require a T1 fungicide, more PGR and general foliar feeding to capture maximum crop potential.

### T1 Fungicide

There are two situations; where eyespot is developing and where there is no eyespot.

Various products may be used at T1 but we recommend at least 50% dose of Mildewicide (either Talius, Flexity or Cyflamid) and minimum 50% dose of Triazole fungicide in the mixture. A suitable mixture would be:

Where Eyespot is Easy to Find (this is especially a risk in 2 <sup>nd</sup> Wheat situations)			
Product	Rate	GS	Notes
Flexity + Proline 275	0.25 lt/ha + 0.55 lt/ha	30/31	Ensure good plant coverage

*Continued Overleaf*

Where There is No Eyespot (typically 1 <sup>st</sup> Wheat situations)			
Product	Rate	GS	Notes
Cyflamid + Opus + Bravo	0.25 lt/ha + 0.50 lt/ha + 0.50 lt/ha	30/31	Ensure good plant coverage

- Inspect crops at GS 30 and assess the eyespot risk – treat accordingly.
- If a T0 fungicide has been applied leave at least 2 weeks before applying the T1 fungicide.
- If yellow rust is easy to find, increase the rate of triazole if required.

**PGR**

Product	Rate	GS	Notes
Moddus + Chlormequat	0.1 lt/ha + 1.0 lt/ha	30/31	- Increase to 0.2 lt/ha if no Moddus was applied early (T0) - Tank mix with T1 fungicide

Use trace elements as required.

**Foliar Feeds**

Soils of excessively high or low pH limit nutrient availability and can compromise yield potential. For crops grown on these soils a more general foliar feed during the critical April period maybe worthwhile. The nutrients that are made unavailable on these soils are as follows:

For soil with pH less than 6	For soil with pH more than 7.5
Magnesium (Mg) Calcium (Ca) Phosphorus (P) Molybdenum (Mo)	Copper (Cu) Zinc (Zn) Phosphorus (P) Manganese (Mn) Iron (Fe) Boron (Bo)

If the pH of your A C Barrie fields lies above or below pH 6-7 foliar feeding with appropriate nutrients could be beneficial. Many suitable proprietary products are available and may be able to be mixed with T1 spray products.

**Weed Control**

Use of any products approved for use in Spring Wheat are permitted on A C Barrie at the required timings.

## SPRING SOWN CROPS

T0

Crops without a Tripod seed treatment will need to commence the fungicide program when the crop has 3 leaves. The aim is to keep disease, especially Mildew and Yellow Rust out of the crop from day one. A suitable mixture would be:

Product	Rate	Growth Stage	Notes
Talius + Folicur + Bravo	0.1 lt/ha + 0.25 lt/ha* + 0.5 lt/ha	1.3	- 150 – 400 lt/ha of water - Medium spray quality (BCPC) - 2 – 3 bar pressure

*\*If significant Yellow Rust is found, increase rate of Folicur to 0.5 lt/ha*

### Manganese & Copper

If your land is prone to Manganese and Copper deficiency, commencing your trace element programme with the T0 fungicide is recommended.

### Growth Regulation

Product	Rate	Notes
Moddus + Chlormequat	0.1 lt/ha + 1.0 lt/ha	- 200 lt/ha of water - Can be mixed with T0 fungicide

The use of a more broad-spectrum foliar feed on soils with pH above 7.5 and below 6.0 may also be beneficial (see above).

### Broadleaved Weed Control

Broadleaved weed control may be undertaken as required. Any products approved for use on Spring Wheat may be used on A C Barrie.

If you have mislaid previous bulletins, go to [www.redwheat.co.uk](http://www.redwheat.co.uk) and click on the bulletin tab.

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