

## Include a good low cost multi-site, multi-spectrum fungicide in your T3 spray on wheat

### The T3 spray is a critical treatment

Do not spoil the potential harvest results by being cautious with this treatment.

- The T3 treatment delivers about 1/7 of the total programme yield response - but up to half of the grain quality response.
- Grain quality also includes minimal mycotoxins.

### T3 Diseases

- Sooty moulds (*Cladosporium* and *Alternaria*) cause blackening on the grain which can affect flour colour
- Blackpoint (*Alternaria*) similarly affects grain appearance and flour quality
- Glume Blotch (*Septoria nodorum*) affects yield and quality and also predisposes grain to sooty moulds
- Rusts (yellow and brown) affect yield and pre-disposes grain to other infections
- Head scab (*Fusarium* spp) produce shrivelled grain and can produce mycotoxins
- *Microdochium nivale* also produces shrivelled grain and can affect seed germination

Most of these diseases are favoured by cool damp conditions but can spread on the ear in warmer conditions once infected.

**Timing :-** T3 sprays should be applied at flowering or as soon as possible afterwards. Wheat always flowers before the longest day, so T3 sprays should be applied before then. However, later sprays can be applied to protect against sooty moulds which develop on the glume surface particularly in wet seasons

**Products :-** Strobilurins can lengthen grain fill and have useful activity against *Microdochium* but not *Fusarium* sp. Some triazoles are suitable for T3 ear diseases such as *Septoria nodorum* and *Fusarium* sp. but not really *Microdochium* sp.

Both groups can have resistance problems with *S. tritici* and require support to offer a full spectrum of activity at T3.

**The answer is a good multi-site contact protectant used in combination of either or both of these groups at T3.**

### The Best Multi-site contact protectant :-

**Quell Flo** contains 455g/L mancozeb in an easy-to-use SC flowable formulation which can be used up to GS73. Mancozeb came to be the standard T3 protectant treatment on wheat and remains unchallenged as a T3 multi-site wide disease spectrum protectant because of its wide multi-site disease spectrum including all of the above diseases as well as delivering 140g/ha manganese to help maintain active green leaf area.

**“The Magic of Mancozeb” is best seen at this timing !**

**Mancozeb came to be the standard T3 treatment on wheat –  
Quell Flo doesn't disappoint - Don't reach harvest without trying it !**

Product	Contents	Pack size	Rates of use	Max total dose per crop	Harvest Interval
<b>Quell Flo</b>	455g/L mancozeb in a SC Flowable formulation	10L	1.5 to 3.3L/ha per treatment Use 1.5L/ha in tank mix at T3	9.9L/ha	GS73 - grain milky ripe stage

For further information please ring Interfarm on 01354 741414 or email [technical@interfarm.co.uk](mailto:technical@interfarm.co.uk)

**Read the label before use. Use Pesticides safely**

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### Summary

**Quell Flo** is a low cost but effective T3 treatment, either alone or in mix with strobilurins or triazoles depending on the situation. Mancozeb is the classic treatment at T3 for ear protection and green leaf retention.