Foliar Nitrogen Fertiliser in Wheat

Best Practice Guidance in Winter Wheat

There are many factors influencing nitrogen management in winter wheat from shoot number management through to protein content in milling wheats.

Efficient 28 has an important role to play in increasing yield and quality factors of the grain. It is a method of replacing granular nitrogen applications with a more efficient and environmentally friendly source of nitrogen.

Extensive trial work carried out shows 40kg of granular nitrogen can be replaced with 7kg of nitrogen from Efficient 28 with no detrimental effect on yield or quality. Alternatively, Efficient 28 can be applied as an addition to the farm standard to increase the amount of nitrogen applied, whilst staying under NVZ limits.

Application Guidelines

<table>
<thead>
<tr>
<th>GS39 T2 Fungicide Timing</th>
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<tbody>
<tr>
<td>20 l/ha (25 kg/ha)</td>
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<tr>
<td>7kg N/ha</td>
</tr>
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<td>As an addition to normal Nitrogen applications or To replace 40kg/N from Standard programme</td>
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<th>GS59-61 T3 Fungicide Timing</th>
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Improvement in:

- Yield
- Grain quality
- Protein
- 1000 grain weight
- Hagberg levels

Key Benefits

- NO SCORCH*
- Nearly 100% uptake
- Compatible with fungicides**
- Accurate application
- No volatilisation
- Reduce Nitrate applications

* Depending on partner product

** Please check tank mixes with advisor
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Winter Wheat Trial 2013

Kg N/ Ha

Yield tonnes /Ha

Control 1 x Efficient 28 Application 4 x Efficient 28 Application

- 7 Kg N as E28 17/6/2011
- 7 Kg N as E28 30/5/2011
- 7 Kg N as E28 15/5/2011
- 7 Kg N as E28 26/4/2011
- 40 Kg N as CAN 17/05/2013
- 81 Kg N as CAN 26/04/2013
- 108 Kg N as CAN 20/03/2013

Winter Wheat Trial 2011

Yield tonnes /Ha

Control 1 x Efficient 28 Application 4 x Efficient 28 Application

- 108 Kg N as CAN 22/02/2011
- 54 Kg N as CAN 06/05/2011
- 40 Kg N as CAN 05/06/2011
- 7 Kg N as E28 22/04/2011
- 7 Kg N as E28 06/05/2011
- 7 Kg N as E28 12/05/2011
- 7 Kg N as E28 06/06/2011

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