



## Knowledge grows

# Increasing Grain Protein Levels with CHAFER NUFOL™



If growing milling wheat, the target for grain protein is 13%. A well-timed application of Chafer Nufol, a source of foliar nitrogen, can achieve up to a 1% increase in protein levels.

### Why do you need Chafer Nufol?

#### Increased Nitrogen Uptake

Without a well-timed foliar application of nitrogen, your crops may struggle to contain enough protein to satisfy the requirement for yield and quality.

A targeted application of Chafer Nufol to the leaf and ear will increase the amount of nitrogen available to your crops during that crucial stage of protein development.

#### Reduce Risk of Inferior Crop Quality

Did you know that in 2021, the AHDB survey revealed that 80% of crops failed to deliver against the three quality parameters –protein, weight and Hagberg Falling Number.

To achieve the higher levels of protein needed in milling wheat, you can greatly reduce the risk of inferior quality with targeted applications of Chafer Nufol.

#### Avoid a Loss in Revenue

If crops fail to meet the necessary quality, it could significantly affect your revenue.

Yara's Chafer Nufol will lower the risk of missing your protein target, securing a higher level of revenue from your grain and would see a 6:1 ROI

### Yara Application Guidance

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| Timing   | <ul style="list-style-type: none"> <li>Apply Nufol as a foliar spray between growth stages 69 - 75 (end of flowering up to milky ripe). Typically, this will be the last week in June, but depends upon the season.</li> <li>Apply when light intensity is low - early morning, or preferably during the evening.</li> <li>Avoid applying to wet leaves, stressed crops or on very hot, dry, sunny days. Overcast, cool conditions are optimal.</li> </ul> |
| Quantity | <ul style="list-style-type: none"> <li>Apply 200 litres/ha of Nufol. This will supply the crop with 40kg N/ha.</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>Apply 200 litres/ha of Nufol+S to supply crops with 40kg N/ha and 8kg SO<sub>3</sub>/ha.</li> </ul>   |
| Nozzles  | Conventional pesticide spray nozzles (not stream or dribble nozzles) to achieve a medium spray at fairly low pressure (2 bar or less).   |

### High Yielding Situations

If your requirement is greater than 40kg/ha, consider two applications of Nufol of 30kg N/ha.

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| First Application  | <ul style="list-style-type: none"> <li>Apply at growth stage 59 (ear emergence).</li> <li>Apply 150 l/ha Nufol diluted with 100 l/ha water.</li> </ul> |
| Second application | <ul style="list-style-type: none"> <li>Apply at growth stage 69-75 (post flowering).</li> <li>Apply 150 l/ha Nufol undiluted.</li> </ul>               |

