

# Efficie-N-t<sup>28</sup>

## Slow release foliar nitrogen fertiliser

**Meeting maize's need for Nitrogen in-season with Efficie-N-t 28 slow release foliar nitrogen fertiliser**

Maize needs some 50% of its total nitrogen requirement from the 8th leaf stage through to tasselling, but a further 35% is needed to fill the cob, during August and September. However, losses due to leaching and volatilisation of seedbed applied nitrogen may leave the crop short of essential nitrogen during these later stages of growth.

Until now there has not been a safe product for in-season supplementary nitrogen application, however trials grown since 2012 at a range of sites across the UK, have shown Efficie-N-t 28 can be effectively and safely used on maize and the results have shown an average fresh weight yield response of 13%.

Applied in July, Efficie-N-t 28 helps meet the crops continuing need for nitrogen as the cobs begin to fill.

### **What is Efficie-N-t 28 (28.0.0)**

It is a liquid foliar nitrogen fertiliser, based on urea polymers of variable lengths. The longer the chains, the slower they break down, resulting in a phased release of nitrogen over a total of 6-8 weeks, SCORCH FREE.

### **Proven over four years**

An application of 25kg (20 litres) per hectare delivers 7kg of nitrogen which has been shown across a variety of crops to give the same response as 40kg of nitrogen supplied in 150kg of calcium ammonium nitrate. This is of particular benefit to those farming in a NVZ.

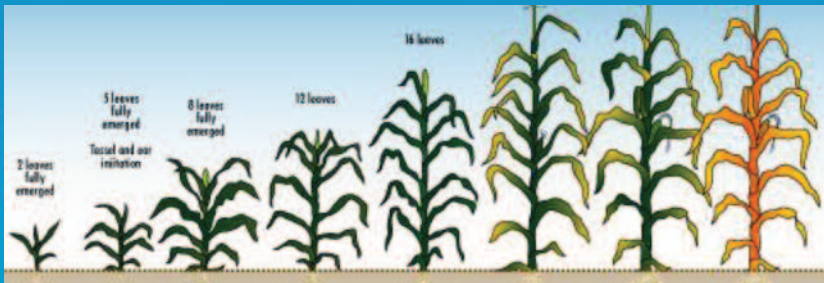


Applied in July using a high clearance sprayer  
No scorch even at 30°C temperatures

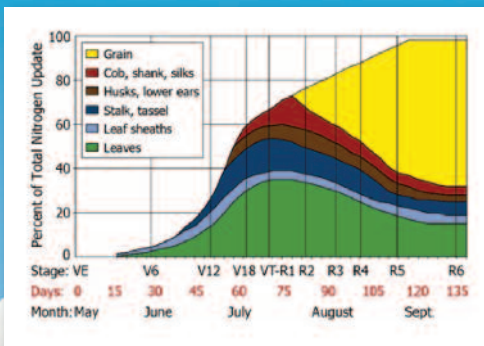


### **Efficie-N-t 28 benefits in Maize**

- Average 13% increase in yield over controls
- 5x the efficiency of soil applied nitrogen
- Reduced nutrient losses following application and increased uptake by the crop
- Phased release over 6-8 weeks and is not prone to leaching or volatilisation
- Sticky technology ensures 100% uptake
- Scorch free and safe to apply unlike traditional foliar urea products
- Can be tank mixed with most fungicides
- Helps stay within N max
- Proven over four years in a variety of forage and arable crops
- Can be applied with a standard high clearance crop sprayer



- 35% of the crop's nitrogen requirements are needed after tasselling
- Nitrogen deficiency at this stage will result in translocation of nitrogen from the leaves to the grain sites and loss of green leaf
- Nitrogen boost increases grain number and size
- No detriment on Dry Matter at harvest



20L/ha Efficient 28 supplies 7kg of N

Efficient 28 gave better fresh weight yield than 40Kg from AN and slightly higher DM yield

Ideal for rented fields or those far from the slurry pit with lower nutrient status

### Untreated

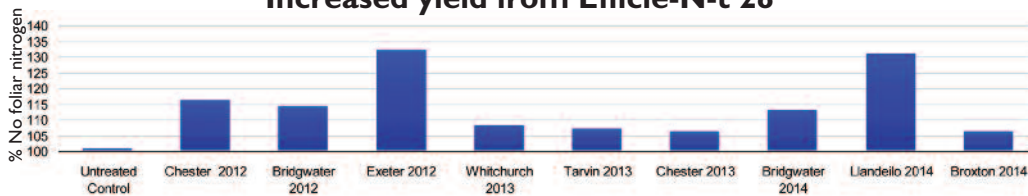
180.3g/cob  
405 grains/cob  
TGW 444.5gms



### Efficient 28

236.8g/cob  
445 grains/cob  
TGW 531.4gms

### Increased yield from Efficie-N-t 28



**Packed in: 20L (25kg) drums, 800L or 1000L IBC's.**  
**Application rate: 20L/ha diluted in 100-300 L water**



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