



**AGROVITAL**  
**Efficie-N<sup>28</sup>-t**

## Trial results: Sugar Beet



Trials were carried out over three seasons by *Oxford Agricultural Trials Ltd* at Haltham, Lincolnshire to investigate the effect of using **Efficie-N28-t** in addition to the farm standard soil-applied granular fertiliser. Plots were 10m x 2m from which the 2 central rows were taken over a length of 3.6m.

Trial details:

	2017	2018	2019
Variety	Sabatini	Darnella	Hornet
Previous crop	Winter wheat	Spring barley	Not recorded
Drilling date	4/5/17	23/4/18	1/5/19
Harvest date	16/10/17	22/11/18	10/11/19

Treatments:

2017

Treatment	GS 00	GS 14	GS 42
<b>1</b> Farm std	105 kg N (AN)	38 kg N (AN)	0
<b>2</b>	105 kg N (AN)	38 kg N (AN)	7 kg N <b>Efficie-N28-t</b>

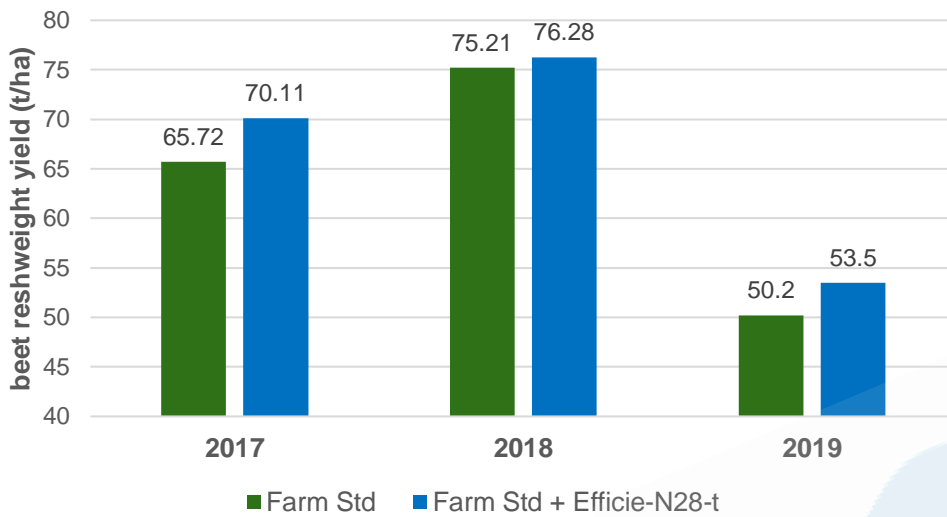
2018 & 2019

Treatment	GS 00	GS 14	GS 42
<b>1</b> Farm std	60 kg N (AN)	60 kg N (AN)	0
<b>2</b>	60 kg N (AN)	60 kg N (AN)	7 kg N <b>Efficie-N28-t</b>

The foliar Nitrogen fertiliser **Efficie-N<sup>28</sup>-t** consists of urea polymers of differing lengths which break down over time into Amide units which are directly available for the plant to use.

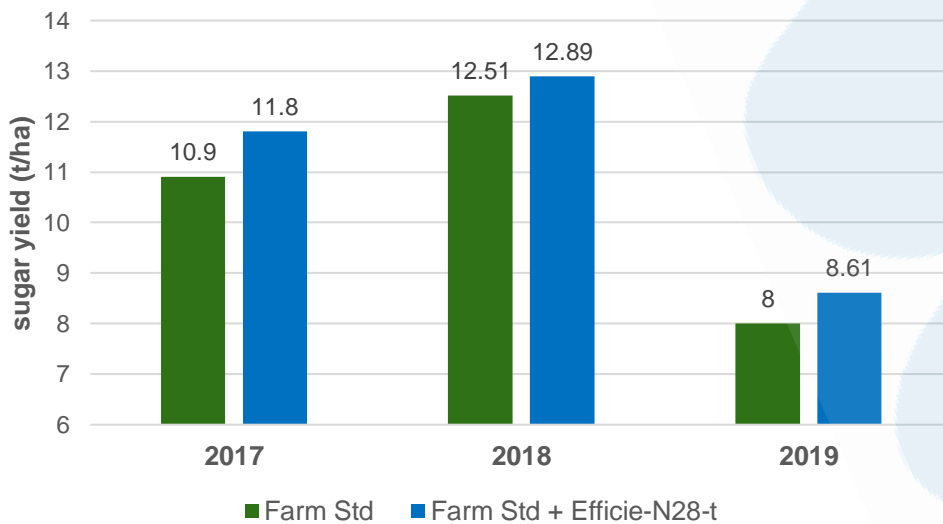
**20 L/ha Efficie-N<sup>28</sup>-t = 7 kg/ha Nitrogen**

### Beet freshweights



	FWT increase
2019	6.6%
2018	1.4%
2017	6.7%
<b>mean</b>	<b>4.9%</b>

### Sugar yield



	Sugar increase
2019	7.6%
2018	3.0%
2017	8.3%
<b>mean</b>	<b>6.3%</b>

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

- 7 kg N/ha Efficie-N<sup>28</sup>-t is equivalent to 40 kg N granular N
- Nitrogen is phase-released as Amide over 4 – 6 weeks
- Almost 100% take-up by the plant
- No leaching
- No volatilisation
- No scorch
- Can be tank mixed with plant protection products
  - Has sticker and anti-drift benefits
- Higher Urea polymer content than competitor products

### For use in sugar beet

Apply in Late July as root starts to accumulate mass

One application of  
20 L/ha

(100 – 300 L water)



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