



Potato Trial 2012 : Efficie-N-t 28

- Objective : To measure the yield effect of enhanced efficiency N fertiliser versus conventional nitrogen fertiliser in potatoes.
- Protocol : 120kg/ha of granular seed bed nitrogen was replaced with 10 x weekly foliar applications of 2.8kg/ha nitrogen from Efficie-N-t 28

Treatment	Product	N kg/ha	P2O5 kg/ha	K2O kg/ha	SO3 kg/ha
B	NPK	240	90	150	138
L	NPK	120	90	150	138
	Efficie-N-t 28 10 x 10kg at weekly intervals Total	28 148	 90	 150	 138

Efficie-N-t 28 is a slow release foliar nitrogen fertiliser - 28.0.0



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- Results

Product	Treatment	Fresh weight yield ton/ha	Basis weight for starch ton/ha
B	NPK	64.7 bc	93 bc
L	NPK + Efficie-N-t 28	63.5bc	93.1bc
LSD 9P< 0.05) CV F.Prob (Anova)		7.2 7.7 <0.001	9.5 7.1 <0.001

- Conclusions : With the use of Efficie-N-t 28 it is possible to achieve the same yield of potatoes as with the recommended rate of conventional N with a reduction of nitrogen use of 40%