



Onion Trial 2012 :Efficie-N-t 28 and Flex 480

- Objective: To compare the yields of onions following the use of enhanced efficiency nitrogen fertiliser and conventional nitrogen fertiliser
- Protocol

Treatment	Products	N kg/ha	P kg/ha	K kg/ha	Date
Standard	200kg/ha 26-14	52	28	120	2nd April
	350kg/ha CAN (27% N)	94.5			24th May
	400kg/ha Patentkali (sulphate of potash +Mg)				15th June
	Total	146.5	28	120	
Flex NP22-5 +Efficie-N-t 28	406kg/ha Flex NP22-5	90	28	120	2nd April
	10kg/ha Efficie-N-t 28	2.8			24th May
	10kg/ha Efficie-N-t 28	2.8			21st June
	10kg/ha Efficie-N-t 28	2.8			6th July
	10kg/ha Efficie-N-t 28	2.8			26th July
	400kg/ha Patentkali				15th June
	Total	101.2	28	120	

Flex 480 is a liquid placement fertiliser - 22.5.0 + S+B+Zn

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



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- Results

Treatment	Total Yield kg/ha	0-40mm kg	40-60mm kg	60-80mm kg	80+mm kg	Waste kg	Total Yield after grading kg/ha
Flex NP22 -5 + Efficie-N-t 28	74,986abc	600b	21,800cd	42,200b	500abc	100	72,422ab
Standard	74,844abc	600b	21,800cd	41,900b	600abc	100	72.247ab
P LSD(P=0.05)	0.117 7.499	0.003 0.2	0.004 3.3	<0.001 5.9	0.171 0.6	0.828 0.1	0.121 7.310

- Conclusion :
- A combination of Flex and Efficie-N-t 28
- gave the same yield as conventional fertiliser but with 31% less nitrogen fertiliser