

# Onion

## Manuring & Fertilization

The fertilizer dose depends upon the fertility of soil and amount of organic manure applied to the crop. Generally, application of 100-150 kg N, 40-80 kg P<sub>2</sub>O<sub>5</sub> and 0-125 Kg K<sub>2</sub>O per hectare is recommended. Specific fertilizer recommendations for different varieties/areas are given below-

Area	Variety/Season	Fertilizer Doses (kg/ha)		
		N	P	K
<b>Maharashtra</b>				
Rahuri	N-53 (Kharif)	150	60	00
Nasik	Agrifound Light Red (Rabi)	100	25	25
<b>Haryana</b>				
Karnal	Pusa Red (Rabi)	150	40	50
Karnal	Agrifound Light Red (Rabi)	100	50	50
<b>Madhya Pradesh</b>				
Jabalpur	Pusa Red (Rabi)	150	60	60
<b>Punjab</b>				
Ludhiana	Punjab Selection (Rabi)	100	50	50
<b>Bihar</b>				
Sabour	Ratna Red (Rabi)	80	00	00
<b>Karnataka</b>				
Hesarghatta	Arka Kalyan (Kharif)	100	80	50
	Arka Pragati and			
	Arka Niketan (Rabi)	100	80	50

Normally, 25t/ha of FYM should be applied one month before transplanting/planting or sowing and mixed well in the soil. In bulblet method of planting, whole quantity of phosphorus, potash and half of nitrogen should be mixed in the soil before transplanting. The balance half of nitrogen should be given as top dressing 20-25 days after planting. In case of transplanting method, the top dressing is taken up in two split doses and first dose should be applied at 30 days after transplanting whereas 2<sup>nd</sup> dose at 45 days after transplanting. The top dressing must be completed before initiation of bulbing.

Micronutrient deficiencies are not observed if sufficient quantities of organic manures are applied into the soil. However, in case of deficiencies specific micronutrient should be applied based on the soil analysis.