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Estimated total fertilizer N requirement

40 to 55 kg fertilizer N for each 1 ton increase in grain yield from use of fertilizer N

N use efficiency (kg grain increase/kg N applied) →	15	18	20	25			
Crop response to N (t/ha) \downarrow	Fertilizer N rate (kg/ha)						
1	65	55	50	40			
2	130	110	100	80			
3	195	165	150	120			
4		220	200	160			
5			250	200			

ct rate f	or first fertil	izer N applica	
Duscu			
Crop	Fertilizer N rate (kg/ha)		
response	Inbred and	Very large	
to N (t/ha)	hybrid rice	panicle type rice	
1	0	25	
2	20	30	
2 3	20 30	30 40	





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Vary wit plant N	thin-se I status	ason f s and c	ertilize rop re	r N bas sponse	sed on e to N	
(Amou pai	Int of N to nicle initia	o apply a ation to i	it active f rice in Ind	tillering a donesia)	ind]
(immediately before N application)		Ap Crop response 1 t/ha	Crop response 2 t/ha	of urea (Kg/ Crop response 3 t/ha	na) Crop response 4 t/ha	
	LCC ≤3	75	100	125	150	
	LCC = 3.5	50	75	100	125	
	LCC ≥4	0	0-50	50	50	



