



Department of Agriculture
BUREAU OF SOILS AND WATER MANAGEMENT
"NATIONAL SOIL SAMPLING AND TESTING FOR FERTILITY AND CROP SUITABILITY ASSESSMENT"
FERTILIZER-GUIDE FOR RICE
PROVINCE OF LANA DEL NORTE

Municipality	Fertilizer-Guide Group		<i>Additional 10-20 bags/ha Organic Fertilizer is recommended for all options</i>															
			INBRED RICE						HYBRID RICE									
	Number	Description	WET SEASON			DRY SEASON			WET SEASON			DRY SEASON						
			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)
Texture-N-P-K	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O			
KAPATAGAN	077	M-L-H-L	90	7	60	Option 1: (1st Application): 1.00 (14-14-14-); 1.75 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 2.00 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60);	100	7	60	Option 1: (1st Application): 1.00 (14-14-14-); 2.00 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 2.00 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 2.00 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 2.25 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 2.00 (0-0-60);	110	7	70	Option 1: (1st Application): 1.00 (14-14-14-); 2.25 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 2.25 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 4.75 (46-0-0); (3rd Application): 2.50 (0-0-60); Option 3: (1st Application): 2.50 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 2.50 (0-0-60);	120	7	70	Option 1: (1st Application): 1.00 (14-14-14-); 2.50 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 2.25 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 3.00 (46-0-0); (3rd Application): 2.00 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 2.75 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 2.50 (0-0-60);
KAPATAGAN	078	M-L-H-ML	90	7	40	Option 1: (1st Application): 1.00 (14-14-14-); 1.75 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.25 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 2.00 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	100	7	40	Option 1: (1st Application): 1.00 (14-14-14-); 2.00 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.25 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 2.00 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 2.25 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.50 (0-0-60);	110	7	50	Option 1: (1st Application): 1.00 (14-14-14-); 2.25 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 4.75 (46-0-0); (3rd Application): 1.75 (0-0-60); Option 3: (1st Application): 2.50 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.75 (0-0-60);	120	7	50	Option 1: (1st Application): 1.00 (14-14-14-); 2.50 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 3.00 (46-0-0); (3rd Application): 2.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 2.75 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 1.75 (0-0-60);
KAPATAGAN	073	M-L-MH-L	90	20	60	Option 1: (1st Application): 3.00 (14-14-14-); 1.25 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 2.00 (46-0-0); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60);	100	20	60	Option 1: (1st Application): 3.00 (14-14-14-); 1.50 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 2.25 (46-0-0); 2.25 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 2.00 (0-0-60);	110	30	70	Option 1: (1st Application): 4.50 (14-14-14-); 1.25 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 2.50 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 2.50 (0-0-60);	120	30	70	Option 1: (1st Application): 4.50 (14-14-14-); 1.50 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 2.00 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 2.75 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 2.50 (0-0-60);

Application schedule:
 1st - after last harrowing
 2nd - 10-14 DAT
 3rd - 20-25 DAT
 DAT - days after transplanting

Fertilizer materials:
 Complete (14-14-14)
 Urea (46-0-0)
 Ammophos (16-20-0)
 Solophos (0-18-0)
 Muriate of Potash (0-0-60)



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Texture-N-P-K	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O			
KAPATAGAN	074	M-L-MH-ML	90	20	40	Option 1: (1st Application): 3.00 (14-14-14-); 1.25 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 2.00 (46-0-0); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	100	20	40	Option 1: (1st Application): 3.00 (14-14-14-); 1.50 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 2.25 (46-0-0); 2.25 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.50 (0-0-60);	110	30	50	Option 1: (1st Application): 4.50 (14-14-14-); 1.25 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 2.50 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.75 (0-0-60);	120	30	50	Option 1: (1st Application): 4.50 (14-14-14-); 1.50 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 2.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 2.75 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 1.75 (0-0-60);
KAPATAGAN	110	M-MH-H-ML	50	7	40	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.50 (46-0-0); 1.25 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 1.25 (46-0-0); 1.00 (0-18-0); (2nd Application): 0.50 (46-0-0); (3rd Application): 0.50 (46-0-0); 1.50 (0-0-60);	60	7	40	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.25 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 1.00 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60);	70	7	50	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 1.50 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 1.00 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.75 (0-0-60);	80	7	50	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 1.75 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 0.78 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);
KAPATAGAN	097	M-MH-L-L	50	60	60	Option 1: (1st Application): 8.75 (14-14-14-); Option 2: (1st Application): 6.00 (16-20-0); (3rd Application): 0.25 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 1.25 (46-0-0); 6.75 (0-18-0); (2nd Application): 0.50 (46-0-0); (3rd Application): 0.50 (46-0-0); 2.00 (0-0-60);	60	60	60	Option 1: (1st Application): 8.75 (14-14-14-); Option 2: (1st Application): 6.00 (16-20-0); (3rd Application): 0.50 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 6.75 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 2.00 (0-0-60);	70	70	70	Option 1: (1st Application): 10.00 (14-14-14-); Option 2: (1st Application): 7.00 (16-20-0); (3rd Application): 0.75 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 8.00 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 2.50 (0-0-60);	80	70	70	Option 1: (1st Application): 10.00 (14-14-14-); (2nd Application): 0.50 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 8.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60);

Application schedule:
 1st - after last harrowing
 2nd - 10-14 DAT
 3rd - 20-25 DAT
 DAT - days after transplanting

Fertilizer materials:
 Complete (14-14-14)
 Urea (46-0-0)
 Ammophos (16-20-0)
 Solophos (0-18-0)
 Muriate of Potash (0-0-60)



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	Number	Description	WET SEASON			DRY SEASON			WET SEASON			DRY SEASON						
			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)
Texture-N-P-K	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O			
KAPATAGAN	098	M-MH-L-ML	50	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 0.50 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (3rd Application): 0.25 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 1.25 (46-0-0); 6.75 (0-18-0); (2nd Application): 0.50 (46-0-0); (3rd Application): 0.50 (46-0-0); 1.50 (0-0-60);	60	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (3rd Application): 0.50 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 6.75 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60);	70	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (3rd Application): 0.75 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 8.00 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.75 (0-0-60);	80	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.50 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 8.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);
KAPATAGAN	105	M-MH-MH-L	50	20	60	Option 1: (1st Application): 3.00 (14-14-14-); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 1.25 (46-0-0); 2.25 (0-18-0); (2nd Application): 0.50 (46-0-0); (3rd Application): 0.50 (46-0-0); 2.00 (0-0-60);	60	20	60	Option 1: (1st Application): 3.00 (14-14-14-); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 2.25 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 2.00 (0-0-60);	70	30	70	Option 1: (1st Application): 4.50 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 3.50 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 2.50 (0-0-60);	80	30	70	Option 1: (1st Application): 4.50 (14-14-14-); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60);
KAPATAGAN	106	M-MH-MH-ML	50	20	40	Option 1: (1st Application): 3.00 (14-14-14-); (3rd Application): 1.00 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 1.25 (46-0-0); 2.25 (0-18-0); (2nd Application): 0.50 (46-0-0); (3rd Application): 0.50 (46-0-0); 1.50 (0-0-60);	60	20	40	Option 1: (1st Application): 3.00 (14-14-14-); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 2.25 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60);	70	30	50	Option 1: (1st Application): 4.50 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 0.75 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 3.50 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.75 (0-0-60);	80	30	50	Option 1: (1st Application): 4.50 (14-14-14-); (2nd Application): 1.09 (46-0-0); (3rd Application): 0.87 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);

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