



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 CAGAYAN**

Municipality	Fertilizer-Guide Group		<i>Additional 10-20 bags/ha Organic Fertilizer is recommended for all options</i>																							
			INBRED RICE						HYBRID RICE																	
	Number	Description	Nutrient Requirement			WET SEASON			Nutrient Requirement			DRY SEASON			Nutrient Requirement			WET SEASON			Nutrient Requirement			DRY SEASON		
			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)		
BAGGAO	014	L-L-H-ML	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);	120	7	40	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); 1.25 (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); 1.50 (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);	140	7	50	Option 1: (1st Application): 1.00 (14-14-14-); 2.75 (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): 3.00 (46-0-0); 1.75 (0-0-60);								
BAGGAO	002	L-L-L-ML	100	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	120	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.75 (46-0-0); (3rd Application): 1.75 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.50 (0-0-60);	120	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);	140	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 2.50 (46-0-0); (3rd Application): 2.50 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 1.75 (0-0-60);								
BAGGAO	009	L-L-MH-L	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);	120	20	60	Option 1: (1st Application): 3.00 (14-14-14-); 1.75 (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): 2.00 (16-20-0); (2nd Application): 2.50 (46-0-0); (3rd Application): 2.00 (46-0-0); 2.00 (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);	140	30	70	Option 1: (1st Application): 4.50 (14-14-14-); 1.75 (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): 2.50 (46-0-0); (3rd Application): 2.50 (46-0-0); 2.50 (0-0-60);								
BAGGAO	010	L-L-MH-ML	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);	120	20	40	Option 1: (1st Application): 3.00 (14-14-14-); 1.75 (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): 2.00 (16-20-0); (2nd Application): 2.50 (46-0-0); (3rd Application): 2.00 (46-0-0); 1.50 (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);	140	30	50	Option 1: (1st Application): 4.50 (14-14-14-); 1.75 (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): 2.50 (46-0-0); (3rd Application): 2.50 (46-0-0); 1.75 (0-0-60);								
BAGGAO	005	L-L-ML-L	100	40	60	Option 1: (1st Application): 5.75 (14-14-14-); 0.50 (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): 4.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60);	120	40	60	Option 1: (1st Application): 5.75 (14-14-14-); 1.00 (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): 4.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 2.00 (46-0-0); 2.00 (0-0-60);	120	50	70	Option 1: (1st Application): 7.25 (14-14-14-); 0.50 (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): 5.00 (16-20-0); (2nd Application): 2.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 2.50 (0-0-60);	140	50	70	Option 1: (1st Application): 7.25 (14-14-14-); 1.00 (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): 5.00 (16-20-0); (2nd Application): 2.50 (46-0-0); (3rd Application): 2.00 (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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			INBRED RICE						HYBRID RICE																	
	Number	Description	Nutrient Requirement			WET SEASON			Nutrient Requirement			DRY SEASON			Nutrient Requirement			WET SEASON			Nutrient Requirement			DRY SEASON		
			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Recommended Fertilizer Rate (bags/hectare)		
BAGGAO	006	L-L-ML-ML	100	40	40	Option 1: (1st Application): 5.75 (14-14-14-); 0.50 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	120	40	40	Option 1: (1st Application): 5.75 (14-14-14-); 1.00 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 2.00 (46-0-0); 1.50 (0-0-60);	120	50	50	Option 1: (1st Application): 7.25 (14-14-14-); 0.50 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.50 (46-0-0); 1.75 (0-0-60);	140	50	50	Option 1: (1st Application): 7.25 (14-14-14-); 1.00 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 2.50 (46-0-0); (3rd Application): 2.00 (46-0-0); 1.75 (0-0-60);								
BAGGAO	065	M-L-L-L	90	60	60	Option 1: (1st Application): 8.75 (14-14-14-); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60);	100	60	60	Option 1: (1st Application): 8.75 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60);	110	70	70	Option 1: (1st Application): 10.00 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60);	120	70	70	Option 1: (1st Application): 10.00 (14-14-14-); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60);								
BAGGAO	066	M-L-L-ML	90	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	100	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	110	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);	120	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);								
BAGGAO	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);	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);	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);	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);								
BAGGAO	070	M-L-ML-ML	90	40	40	Option 1: (1st Application): 5.75 (14-14-14-); 0.25 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	100	40	40	Option 1: (1st Application): 5.75 (14-14-14-); 0.50 (46-0-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	110	50	50	Option 1: (1st Application): 7.25 (14-14-14-); 0.25 (46-0-0); (2nd Application): 1.20 (46-0-0); (3rd Application): 1.20 (46-0-0); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.25 (46-0-0); 1.75 (0-0-60);	120	50	50	Option 1: (1st Application): 7.25 (14-14-14-); 0.50 (46-0-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.50 (46-0-0); 1.75 (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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			INBRED RICE						HYBRID RICE									
	Number	Description	WET SEASON			DRY SEASON			WET SEASON			DRY SEASON						
			Recommended Fertilizer Rate (bags/hectare)			Recommended Fertilizer Rate (bags/hectare)			Recommended Fertilizer Rate (bags/hectare)			Recommended Fertilizer Rate (bags/hectare)						
Nutrient Requirement			Nutrient Requirement			Nutrient Requirement			Nutrient Requirement									
Texture-N-P-K			N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O				
BAGGAO	082	M-ML-L-ML	70	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60); Option 3:	80	60	40	Option 1: (1st Application): 5.75 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 6.00 (16-20-0); (3rd Application): 1.50 (46-0-0); 1.50 (0-0-60); Option 3:	90	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.75 (0-0-60);	100	70	50	Option 1: (1st Application): 7.25 (14-14-14-); 2.25 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 7.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);
BAGGAO	085	M-ML-ML-L	70	40	60	Option 1: (1st Application): 5.75 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 0.75 (46-0-0); 2.00 (0-0-60);	80	40	60	Option 1: (1st Application): 5.75 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.00 (0-0-60);	90	50	70	Option 1: (1st Application): 7.25 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60);	100	50	70	Option 1: (1st Application): 7.25 (14-14-14-); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 0.75 (0-0-60); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 1.75 (46-0-0); (3rd Application): 1.00 (46-0-0); 2.50 (0-0-60);
BAGGAO	086	M-ML-ML-ML	70	40	40	Option 1: (1st Application): 5.75 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 0.75 (46-0-0); 1.50 (0-0-60);	80	40	40	Option 1: (1st Application): 5.75 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 4.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.50 (0-0-60);	90	50	50	Option 1: (1st Application): 7.25 (14-14-14-); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (0-0-60);	100	50	50	Option 1: (1st Application): 7.25 (14-14-14-); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 5.00 (16-20-0); (2nd Application): 1.75 (46-0-0); (3rd Application): 1.00 (46-0-0); 1.75 (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)