



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 AGUSAN DEL SUR

Municipality	Fertilizer-Guide Group		Additional 10-20 bags/ha Organic Fertilizer is recommended for all options															
			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	N	P ₂ O ₅	K ₂ O
ROSARIO	008	L-L-ML-H	100	40	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.87 (46-0-0); 3.67 (0-18-0); (2nd Application): 1.09 (46-0-0); (3rd Application): 1.09 (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); 0.25 (0-0-60); Option 3: (1st Application): 2.25 (46-0-0); 4.50 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 0.25 (0-0-60);	120	40	7	Option 1: (1st Application): 1.00 (14-14-14-); 2.50 (46-0-0); 3.75 (0-18-0); (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); 0.25 (0-0-60); Option 3: (1st Application): 2.75 (46-0-0); 4.50 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 0.25 (0-0-60);	120	50	7	Option 1: (1st Application): 1.00 (14-14-14-); 2.50 (46-0-0); 5.00 (0-18-0); (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); 0.25 (0-0-60); Option 3: (1st Application): 2.75 (46-0-0); 5.25 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 0.25 (0-0-60);	140	50	7	Option 1: (1st Application): 1.00 (14-14-14-); 2.75 (46-0-0); 5.00 (0-18-0); (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); 0.25 (0-0-60); Option 3: (1st Application): 3.00 (46-0-0); 5.75 (0-18-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); 0.25 (0-0-60);
ROSARIO	092	M-ML-MH-H	70	20	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.25 (46-0-0); 1.50 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	80	20	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.50 (46-0-0); 1.50 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 2.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 2.25 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	90	30	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.75 (46-0-0); 2.75 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 2.00 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	100	30	7	Option 1: (1st Application): 1.00 (14-14-14-); 2.00 (46-0-0); 2.75 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); Option 2: (1st Application): 3.00 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.50 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 2.25 (46-0-0); 3.50 (0-18-0); (2nd Application): 1.25 (46-0-0); (3rd Application): 1.25 (46-0-0); 0.25 (0-0-60);
ROSARIO	096	M-ML-H-H	70	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.25 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 1.50 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	80	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.50 (46-0-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.25 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 1.75 (46-0-0); 1.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	90	7	7	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); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.75 (46-0-0); 0.25 (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); 0.25 (0-0-60);	100	7	7	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); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 2.00 (46-0-0); 0.25 (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); 0.25 (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	
ROSARIO	112	M-MH-H-H	50	7	7	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.50 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (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); 0.25 (0-0-60);	60	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 0.00 (0-18-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 0.75 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (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); 0.25 (0-0-60);	70	7	7	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.50 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (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); 0.25 (0-0-60);	80	7	7	Option 1: (1st Application): 1.00 (14-14-14-); (2nd Application): 1.75 (46-0-0); (3rd Application): 1.00 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 2.25 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (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); 0.25 (0-0-60);
ROSARIO	128	M-H-H-H	30	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 0.50 (46-0-0); (2nd Application): 0.75 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (3rd Application): 1.25 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 0.75 (46-0-0); 1.00 (0-18-0); (3rd Application): 0.75 (46-0-0); 0.25 (0-0-60);	40	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 0.75 (46-0-0); (2nd Application): 1.00 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 0.75 (46-0-0); (3rd Application): 0.75 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 1.00 (46-0-0); 1.00 (0-18-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	50	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 0.78 (46-0-0); (2nd Application): 1.09 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 1.00 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60); Option 3: (1st Application): 1.25 (46-0-0); 1.00 (0-18-0); (3rd Application): 1.00 (46-0-0); 0.25 (0-0-60);	60	7	7	Option 1: (1st Application): 1.00 (14-14-14-); 1.00 (46-0-0); (2nd Application): 1.30 (46-0-0); Option 2: (1st Application): 0.75 (16-20-0); (2nd Application): 1.50 (46-0-0); (3rd Application): 1.00 (46-0-0); 0.25 (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); 0.25 (0-0-60);

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Ammophos (16-20-0)

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Muriate of Potash (0-0-60)