



Department of Agriculture
BUREAU OF SOILS AND WATER MANAGEMENT
"SOIL HEALTH ASSESSMENT - NATIONAL SOIL SAMPLING AND TESTING FOR CORN GROWING AREAS"
FERTILIZER-GUIDE FOR CORN
PROVINCE OF MISAMIS OCCIDENTAL

Barangay	Farmer Representative	Fertilizer-Guide Group		Additional 10-20 bags/ha Organic Fertilizer is recommended for all options																							
				HYBRID CORN										OPV CORN (Open-Pollinated Varieties Corn)													
		Number	Description	Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)			Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)		
				N	P ₂ O	K ₂ O				N	P ₂ O	K ₂ O				N	P ₂ O	K ₂ O				N	P ₂ O	K ₂ O			
Municipality of BONIFACIO																											
Dullan	Alisia Catamo	019	ML-L-MH	100	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 1 (46-0-0); 3.5 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 3 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);	60	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 3.5 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 1.5 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);								
Dullan	Apolinario Dungog	019	ML-L-MH	100	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 1 (46-0-0); 3.5 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 3 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);	60	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 3.5 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 1.5 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);								
Kanao-Kanao	Esmeraldo Sumalingog	035	MH-L-MH	80	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 0.5 (46-0-0); 3.5 (0-18-0); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 1.5 (46-0-0);	80	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 2.25 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 1.5 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 5.25 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	40	60	30	"Complete" Option: (1st Application): 3 (14-14-14); 4.5 (0-18-0); 0.5 (0-0-60); (2nd Application): 1 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 0(46-0-0)	40	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 0.5 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 1 (0-0-60); Single Element Option: (1-time Application): 1.75 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);								
Kanao-Kanao	Virginia Sumalingog	004	L-L-H	120	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); (2nd Application): 2.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.75 (46-0-0); Single Element Option: (1-time Application): 5.25 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	120	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 3.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 5.25 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	80	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); 6 (0-18-0); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 1.5(46-0-0) Single Element Option: (1-time Application): 1.5(46-0-0)	80	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);								
Lodiong	Joseline Cuba	020	ML-L-H	100	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 6 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	60	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 6 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);								
Lodiong	Repolion Beringuel	024	ML-ML-H	100	40	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 3.75 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 0.75 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	40	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 3.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 3 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);	60	40	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 3.75 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 0.25 (0-0-60); (2nd Application): 1.25(46-0-0)	60	40	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 3.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 1.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);								
Sibuyon	Joel Maribao	020	ML-L-H	100	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 6 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	60	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 6 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);								
Sibuyon	Pablo Martorillas	023	ML-ML-MH	100	40	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 1 (46-0-0); 1 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 0.75 (46-0-0); 1 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	40	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 3 (46-0-0); 1 (0-18-0); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 3 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 4.5 (0-18-0); 1 (0-0-60);	60	40	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 1 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 1 (0-0-60); (2nd Application): 1.25(46-0-0)	60	40	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 1.5 (46-0-0); 1 (0-18-0); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 1.25 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 4.5 (0-18-0); 1 (0-0-60);								
Tangab	Dioscoro Bismanos	020	ML-L-H	100	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 6 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	60	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 6 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);								

Application schedule:

1st - at planting
2nd - knee-high (12-19 inch)
1-time - at planting

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



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Barangay	Farmer Representative	Fertilizer-Guide Group	Additional 10-20 bags/ha Organic Fertilizer is recommended for all options																
			HYBRID CORN									OPV CORN (Open-Pollinated Varieties Corn)							
			WET SEASON					DRY SEASON				WET SEASON			DRY SEASON				
			Number	Description	Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)	Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)	Nutrient Requirement			Recommended Fertilizer Rate (bags/hectare)	Nutrient Requirement		
N	P ₂ O	K ₂ O			N	P ₂ O	K ₂ O		N	P ₂ O	K ₂ O		N	P ₂ O	K ₂ O				
Tangab	Joseph Estribor	020	ML-L-H	100	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 6 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	60	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 6 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);
Tangab	Netalino Monares	020	ML-L-H	100	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 6 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	60	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 6 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);
Tusik	Dominador Lico	018	ML-L-ML	100	60	45	"Complete" Option: (1st Application): 6.5 (14-14-14); 0.25 (46-0-0); 1.75 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1.5 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	45	"Complete" Option: (1-time Application): 6.5 (14-14-14); 2.5 (46-0-0); 1.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 1.5 (0-0-60);	60	60	45	"Complete" Option: (1st Application): 4.25 (14-14-14); 3.5 (0-18-0); 0.5 (0-0-60); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1.5 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	45	"Complete" Option: (1-time Application): 6.5 (14-14-14); 0.75 (46-0-0); 1.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);
Upper Usogan	Melecia Ytang	020	ML-L-H	100	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 6 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);	60	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 6 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);
Upper Usogan	Vevencia Saladaga	019	ML-L-MH	100	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 1 (46-0-0); 3.5 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 3 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 2.25 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);	60	60	30	"Complete" Option: (1st Application): 4.25 (14-14-14); 3.5 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1 (0-0-60); (2nd Application): 0.5(46-0-0)	60	60	30	"Complete" Option: (1-time Application): 4.25 (14-14-14); 1.5 (46-0-0); 3.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.5 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 6.75 (0-18-0); 1 (0-0-60);

Application schedule:

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- 2nd - knee-high (12-19 inch)
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Fertilizer materials:
Complete (14-14-14)Urea (46-0-0)
AmmonoPhos (16-20-0)
Solophos (0-18-0)
Muriate of Potash (0-0-60)