



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 BUKIDNON

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)
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			
Municipality of Malitbog																			
Libertad Kiabo	(No Farmer)	028	ML-MH-H	100	20	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 1.5 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0); Single Element Option: (1st Application): 2.25 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	20	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 1.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 3.75 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);	60	20	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 1.5 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 0.75 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.5(46-0-0) Single Element Option: (1st Application): 1.5 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.5 (46-0-0);	60	20	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 1.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 2 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);
Mindagat	(No Farmer)	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); Single Element Option: (1st Application): 1.75 (46-0-0); 6.75 (0-18-0); 1 (0-0-60); (2nd Application): 1.75 (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): 3.5 (46-0-0); 6.75 (0-18-0); 1 (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) Single Element Option: (1st Application): 1 (46-0-0); 6.75 (0-18-0); 1 (0-0-60); (2nd Application): 1 (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);
Mindagat	(No Farmer)	028	ML-MH-H	100	20	7	"Complete" Option: (1st Application): 1 (14-14-14); 2 (46-0-0); 1.5 (0-18-0); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0); Single Element Option: (1st Application): 2.25 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	20	7	"Complete" Option: (1-time Application): 1 (14-14-14); 4 (46-0-0); 1.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 3.75 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);	60	20	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); 1.5 (0-18-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 0.75 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.5(46-0-0) Single Element Option: (1st Application): 1.5 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.5 (46-0-0);	60	20	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); 1.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 2 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);
Patpat	Jhon Rey Irojo	012	L-MH-H	120	20	7	"Complete" Option: (1st Application): 1 (14-14-14); 2.5 (46-0-0); 1.5 (0-18-0); (2nd Application): 2.75 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 2 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.75 (46-0-0); Single Element Option: (1st Application): 2.75 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	20	7	"Complete" Option: (1-time Application): 1 (14-14-14); 5 (46-0-0); 1.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 4.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 5.25 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60);	80	20	7	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); 1.5 (0-18-0); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 1 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.75(46-0-0) Single Element Option: (1st Application): 1.75 (46-0-0); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	20	7	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); 1.5 (0-18-0); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 2.75 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 2.25 (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)
Ammophos (16-20-0)
Solophos (0-18-0)
Muriate of Potash (0-0-60)



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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				
Poblacion	June Lee Evangelista	016	L-H-H	120	0	7	Single Element Option: (1st Application): 2.75 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	0	7	Single Element Option: (1-time Application): 5.25 (46-0-0); 0.25 (0-0-60);	80	7	7	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.75(46-0-0) Single Element Option: (1st Application): 1.75 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	7	7	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 3.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);
San Luis	(No Farmer)	032	ML-H-H	100	0	7	Single Element Option: (1st Application): 2.25 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	0	7	Single Element Option: (1-time Application): 4.5 (46-0-0); 0.25 (0-0-60);	60	7	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 1 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.5(46-0-0) Single Element Option: (1st Application): 1.5 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.5 (46-0-0);	60	7	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 2.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);
San Luis	Algje Pulgo	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); Single Element Option: (1st Application): 2.25 (46-0-0); 6.75 (0-18-0); 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: (1-time 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) Single Element Option: (1st Application): 1.5 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.5 (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);
San Luis	Eddie Maling	036	MH-L-H	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: (1st Application): 1.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (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);	40	60	7	"Complete" Option: (1st Application): 1 (14-14-14); 0.5 (46-0-0); 6 (0-18-0); (2nd Application): 1 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.25 (0-0-60); (2nd Application): 0(46-0-0) Single Element Option: (1st Application): 1 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1 (46-0-0);	40	60	7	"Complete" Option: (1-time Application): 1 (14-14-14); 1.5 (46-0-0); 6 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 1.75 (46-0-0); 6.75 (0-18-0); 0.25 (0-0-60);
San Luis	Remilinda Bernel	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); Single Element Option: (1st Application): 1.75 (46-0-0); 6.75 (0-18-0); 1 (0-0-60); (2nd Application): 1.75 (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): 3.5 (46-0-0); 6.75 (0-18-0); 1 (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) Single Element Option: (1st Application): 1 (46-0-0); 6.75 (0-18-0); 1 (0-0-60); (2nd Application): 1 (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);

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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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				
San Luis	Rowena Dayanon	040	MH-ML-H	80	40	7	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); 3.75 (0-18-0); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0); Single Element Option: (1st Application): 1.75 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	40	7	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); 3.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 2 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);	40	40	7	"Complete" Option: (1st Application): 1 (14-14-14); 0.5 (46-0-0); 3.75 (0-18-0); (2nd Application): 1 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 0.25 (0-0-60); (2nd Application): 0.5(46-0-0) Single Element Option: (1st Application): 1 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60); (2nd Application): 1 (46-0-0);	40	40	7	"Complete" Option: (1-time Application): 1 (14-14-14); 1.5 (46-0-0); 3.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 0.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 1.75 (46-0-0); 4.5 (0-18-0); 0.25 (0-0-60);
Santa Inez	Buriaz	016	L-H-H	120	0	7	Single Element Option: (1st Application): 2.75 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	0	7	Single Element Option: (1-time Application): 5.25 (46-0-0); 0.25 (0-0-60);	80	7	7	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 1.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.75(46-0-0) Single Element Option: (1st Application): 1.75 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	7	7	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 3.25 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60);
Sumalsag	Romeo Coroña	032	ML-H-H	100	0	7	Single Element Option: (1st Application): 2.25 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	0	7	Single Element Option: (1-time Application): 4.5 (46-0-0); 0.25 (0-0-60);	60	7	7	"Complete" Option: (1st Application): 1 (14-14-14); 1 (46-0-0); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 1 (46-0-0); 0.25 (0-0-60); (2nd Application): 1.5(46-0-0) Single Element Option: (1st Application): 1.5 (46-0-0); 0.75 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.5 (46-0-0);	60	7	7	"Complete" Option: (1-time Application): 1 (14-14-14); 2.5 (46-0-0); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 2.5 (46-0-0); 0.25 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 0.75 (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)
Ammophos (16-20-0)
Solophos (0-18-0)
Muriate of Potash (0-0-60)