



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)															
		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-K	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	N	P ₂ O	K ₂ O	N	P ₂ O	K ₂ O								
OZAMIZ CITY																											
Capucao	Rodrigo Rubio	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: (1-time 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);		
Cogon	Isagane Navarez	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);			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): 1 (46-0-0); "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)			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);		
Dalapang	Edilberto Batapa	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: (1-time 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);		
Gala	Ariel Hernane	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);		
Gala	Jocelyn Albon	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);		
Gango	Rey Paitan	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);		
Kinuman Norte	Rene Sabayton	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)			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);		
Liposong	Arnel Tapayan	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);		
Pantaon	Bonifacio Tan	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			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											
Pulot	Mariemel Bejec	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); "AmmonoPhos" 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); "AmmonoPhos" 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); "AmmonoPhos" 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); "AmmonoPhos" 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);							
Sangay Dako	Jalalon Farm	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); "AmmonoPhos" Option: (1st Application): 0.75 (16-20-0); 1 (46-0-0); 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); "AmmonoPhos" 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);							

