



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 NORTH COTABATO

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)	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					
Municipality of TULUNAN																											
Bagumbayan	_no interview_	014	L-H-ML	120	0	45	Single Element Option: (1st Application): 2.75 (46-0-0); 1.5 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	0	45	Single Element Option: (1-time Application): 5.25 (46-0-0); 1.5 (0-0-60);	80	7	45	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); 1.25 (0-0-60); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 1.5 (46-0-0); 1.5 (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); 1.5 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	7	45	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); 1.25 (0-0-60); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 3.25 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 0.75 (0-18-0); 1.5 (0-0-60);								
Bagumbayan	_no interview_	002	L-L-ML	120	60	45	"Complete" Option: (1st Application): 6.5 (14-14-14); 0.75 (46-0-0); 1.75 (0-18-0); (2nd Application): 2.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.5 (46-0-0); 1.5 (0-0-60); (2nd Application): 2.75 (46-0-0); Single Element Option: (1st Application): 2.75 (46-0-0); 6.75 (0-18-0); 1.5 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	60	45	"Complete" Option: (1-time Application): 6.5 (14-14-14); 3.25 (46-0-0); 1.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 3.25 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 5.25 (46-0-0); 6.75 (0-18-0); 1.5 (0-0-60);	80	60	45	"Complete" Option: (1st Application): 5.75 (14-14-14); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1.5 (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); 1.5 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	60	45	"Complete" Option: (1-time Application): 6.5 (14-14-14); 1.5 (46-0-0); 1.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 1.5 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 6.75 (0-18-0); 1.5 (0-0-60);								
Bual	_no interview_	059	H-MH-MH	60	20	30	"Complete" Option: (1st Application): 3 (14-14-14); 0.5 (46-0-0); 0.5 (0-0-60); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 0.75 (46-0-0); 1 (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); 1 (0-0-60); (2nd Application): 1.5 (46-0-0);	60	20	30	"Complete" Option: (1-time Application): 3 (14-14-14); 1.75 (46-0-0); 0.5 (0-0-60); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 2 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 2.25 (0-18-0); 1 (0-0-60);	20	20	30	"Complete" Option: (1st Application): 1.5 (14-14-14); 1 (0-18-0); 0.75 (0-0-60); (2nd Application): 0.5 (46-0-0); "AmmoPhos" Option: (1st Application): 2 (16-20-0); 1 (0-0-60); (2nd Application): 0.25(46-0-0) Single Element Option: (1st Application): 0.5 (46-0-0); 2.25 (0-18-0); 1 (0-0-60); (2nd Application): 0.5 (46-0-0);	20	20	30	"Complete" Option: (1-time Application): 3 (14-14-14); 0.5 (0-0-60); "AmmoPhos" Option: (1-time Application): 2 (16-20-0); 0.25 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 1 (46-0-0); 2.25 (0-18-0); 1 (0-0-60);								
Bual	_no interview_	047	MH-H-MH	80	0	30	Single Element Option: (1st Application): 1.75 (46-0-0); 1 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	0	30	Single Element Option: (1-time Application): 3.5 (46-0-0); 1 (0-0-60);	40	7	30	"Complete" Option: (1st Application): 1 (14-14-14); 0.5 (46-0-0); 0.75 (0-0-60); (2nd Application): 1 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 0.75 (46-0-0); 1 (0-0-60); (2nd Application): 1(46-0-0) Single Element Option: (1st Application): 1 (46-0-0); 0.75 (0-18-0); 1 (0-0-60); (2nd Application): 1 (46-0-0);	40	7	30	"Complete" Option: (1-time Application): 1 (14-14-14); 1.5 (46-0-0); 0.75 (0-0-60); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 1.5 (46-0-0); 1 (0-0-60); Single Element Option: (1-time Application): 1.75 (46-0-0); 0.75 (0-18-0); 1 (0-0-60);								
Damawatu	_no interview_	022	ML-ML-ML	100	40	45	"Complete" Option: (1st Application): 5.75 (14-14-14); 0.5 (46-0-0); 0.25 (0-0-60); (2nd Application): 2.25 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 0.75 (46-0-0); 1.5 (0-0-60); (2nd Application): 2.25 (46-0-0); Single Element Option: (1st Application): 2.25 (46-0-0); 4.5 (0-18-0); 1.5 (0-0-60); (2nd Application): 2.25 (46-0-0);	100	40	45	"Complete" Option: (1-time Application): 5.75 (14-14-14); 2.75 (46-0-0); 0.25 (0-0-60); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 3 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 4.5 (46-0-0); 4.5 (0-18-0); 1.5 (0-0-60);	60	40	45	"Complete" Option: (1st Application): 4.25 (14-14-14); 1 (0-18-0); 0.5 (0-0-60); (2nd Application): 1.5 (46-0-0); "AmmoPhos" Option: (1st Application): 4 (16-20-0); 1.5 (0-0-60); (2nd Application): 1.25(46-0-0) Single Element Option: (1st Application): 1.5 (46-0-0); 4.5 (0-18-0); 1.5 (0-0-60); (2nd Application): 1.5 (46-0-0);	60	40	45	"Complete" Option: (1-time Application): 5.75 (14-14-14); 1 (46-0-0); 0.25 (0-0-60); "AmmoPhos" Option: (1-time Application): 4 (16-20-0); 1.25 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 2.75 (46-0-0); 4.5 (0-18-0); 1.5 (0-0-60);								
Maybula	_no interview_	002	L-L-ML	120	60	45	"Complete" Option: (1st Application): 6.5 (14-14-14); 0.75 (46-0-0); 1.75 (0-18-0); (2nd Application): 2.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 0.5 (46-0-0); 1.5 (0-0-60); (2nd Application): 2.75 (46-0-0); Single Element Option: (1st Application): 2.75 (46-0-0); 6.75 (0-18-0); 1.5 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	60	45	"Complete" Option: (1-time Application): 6.5 (14-14-14); 3.25 (46-0-0); 1.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 3.25 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 5.25 (46-0-0); 6.75 (0-18-0); 1.5 (0-0-60);	80	60	45	"Complete" Option: (1st Application): 5.75 (14-14-14); 2.25 (0-18-0); 0.25 (0-0-60); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 6 (16-20-0); 1.5 (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); 1.5 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	60	45	"Complete" Option: (1-time Application): 6.5 (14-14-14); 1.5 (46-0-0); 1.75 (0-18-0); "AmmoPhos" Option: (1-time Application): 6 (16-20-0); 1.5 (46-0-0); 1.5 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 6.75 (0-18-0); 1.5 (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								
Minapan	_no interview_	013	L-H-L	120	0	60	Single Element Option: (1st Application): 2.75 (46-0-0); 2 (0-0-60); (2nd Application): 2.75 (46-0-0);	120	0	60	Single Element Option: (1-time Application): 5.25 (46-0-0); 2 (0-0-60);	80	7	60	"Complete" Option: (1st Application): 1 (14-14-14); 1.5 (46-0-0); 1.75 (0-0-60); (2nd Application): 1.75 (46-0-0); "AmmoPhos" Option: (1st Application): 0.75 (16-20-0); 1.5 (46-0-0); 2 (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); 2 (0-0-60); (2nd Application): 1.75 (46-0-0);	80	7	60	"Complete" Option: (1-time Application): 1 (14-14-14); 3.25 (46-0-0); 1.75 (0-0-60); "AmmoPhos" Option: (1-time Application): 0.75 (16-20-0); 3.25 (46-0-0); 2 (0-0-60); Single Element Option: (1-time Application): 3.5 (46-0-0); 0.75 (0-18-0); 2 (0-0-60);				
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