CORN FOR GRAIN

Crop Code: 1042

Lime and Magnesium Recommendation:

pH Goal: 6.5 *See Table 1 for lime recommendations based on target pH*

Opt soil test Mg (ppm): 60 *See Table 2 for MgO recommendations based on optimum soil test Mg*

Standard Nitrogen Recommendation (lb N/A):

Corn Yield Goal Bu/A				
110	**150**	**190**	**230**	**270**
110	150	190	230	270

Nitrogen Credit (lb N/A) for Previous Legume:

Legume and percent stand	Corn Yield Goal Bu/A				
	110	**150**	**190**	**230**	**270**
Alfalfa < 25% stand	40	40	40	80	120
Alfalfa 25-50% stand	60	80	80	120	160
Alfalfa > 50% stand	80	110	120	160	200
Clover < 25% stand	40	40	40	80	120
Clover 25-50% stand	60	80	80	120	160
Clover > 50% stand	80	110	120	160	200
Trefoil < 25% stand	40	40	40	80	120
Trefoil 25-50% stand	60	80	80	120	160
Trefoil > 50% stand	80	110	120	160	200
Soybeans	30	40	50	60	70

Phosphorus Recommendation (lb P2O5/A):

(Optimum soil test P: 30 - 50 ppm)

Soil test P (ppm)	Corn Yield Goal Bu/A				
	110	**150**	**190**	**230**	**270**
0	110	130	150	170	190
5	100	120	140	160	180
10	90	110	130	140	160
15	80	100	110	130	150
20	70	80	100	120	140
25	60	70	90	110	120
30	40	60	80	90	110
35	30	50	60	70	80
40	20	30	40	50	50
45	10	20	20	20	30
50	0	0	0	0	0

Phosphorus Message(s)

When soil test P is less than 50 ppm:
Use a starter fertilizer.

When soil test P is greater than or equal to 50 ppm P and less than 300 ppm P:
A starter fertilizer is probably not necessary.

When soil test P is greater than or equal to 300 ppm P:
A starter fertilizer is probably not necessary.
Very high P may lead to crop production or feed quality problems and may result in P loss to the environment.

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Potassium Recommendation (lb K2O/A):

(Optimum soil test K: 100 - 150 ppm)

Soil test K (ppm)	Corn Yield Goal Bu/A				
	110	**150**	**190**	**230**	**270**
0	180	190	200	210	220
10	170	180	190	200	210
20	150	160	170	180	190
30	140	150	160	170	180
40	120	130	140	150	160
50	110	120	130	140	150
60	90	100	110	130	140
70	80	90	100	110	120
80	60	70	90	100	110
90	50	60	70	80	90
100	30	50	60	70	80
110	30	40	50	60	60
120	20	30	30	40	50
130	10	20	20	30	30
140	10	10	10	10	20
150	0	0	0	0	0
160					
170					
180					
190					
200					

Potassium Message(s) :

When soil test K is greater than 200 ppm:
Very high K can lead to imbalances in forage crops grown later in the rotation which can cause serious health problems in animals (See Back)