CORN FOR SILAGE (NO-TILL)

Crop Code: 1045

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 (T/A)				
17	**21**	**25**	**29**	**33**
120	150	180	210	240

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

Legume and percent stand	Corn Yield Goal (T/A)				
	17	**21**	**25**	**29**	**33**
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 P_2O_5/A):

(Optimum soil test P: 30 -50 ppm)

Soil test P (ppm)	Corn Yield Goal (T/A)				
	17	**21**	**25**	**29**	**33**
0	120	140	160	180	200
5	110	130	150	170	190
10	110	130	150	170	190
15	100	120	140	160	180
20	100	120	140	160	180
25	90	110	130	150	170
30	90	110	130	150	170
35	60	80	90	110	120
40	40	50	60	70	80
45	20	30	30	40	40
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 - 200 ppm)

Soil test K (ppm)	Corn Yield Goal (T/A)				
	17	21	25	29	33
0	240	280	320	360	400
10	230	280	320	360	400
20	230	270	310	350	390
30	220	270	310	350	390
40	220	260	300	340	390
50	210	260	300	340	380
60	210	250	290	340	380
70	200	250	290	330	370
80	200	240	280	330	370
90	190	240	280	320	370
100	190	230	280	320	360
110	170	210	250	290	330
120	150	180	220	260	290
130	130	160	190	220	250
140	110	140	170	190	220
150	90	120	140	160	180
160	70	90	110	130	150
170	60	70	80	100	110
180	40	50	60	60	70
190	20	20	30	30	40
200	0	0	0	0	0

Potassium Message(s) :

When soil test K is greater than 200 ppm and less than 400 ppm K:

Very high K can lead to imbalances in forages which can cause serious health problems in animals. (See Back).

When soil test K is greater than or equal to 400 ppm:

Very high K can lead to dangerous nutrient imbalances in forage crops which can cause serious health problems in animals (See Back).

Revised: 12/5/2008