SM GRAIN SIL/CORN SIL DBL CROP

Crop Code: 1047

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	70	90

Phosphorus Recommendation (lb P2O5/A):

(Optimum soil test P: 30 -50 ppm)

Soil test P (ppm)	Corn Yield Goal (T/A)				
	17	**21**	**25**	**29**	**33**
0	180	210	240	270	300
5	170	200	230	260	290
10	160	190	220	250	280
15	150	180	210	240	270
20	140	170	200	240	270
25	130	160	200	230	270
30	120	150	190	220	250
35	90	110	140	160	190
40	60	80	90	110	130
45	30	40	50	50	60
50	0	0	0	0	0

Phosphorus Message(s) :

When soil test P is greater than 300 ppm:

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	340	430	520	610	700
10	330	420	510	600	690
20	330	420	510	600	690
30	320	410	500	590	680
40	320	410	500	590	680
50	310	400	490	580	670
60	300	400	490	580	670
70	300	390	480	570	660
80	290	380	480	570	660
90	290	380	470	560	650
100	280	370	470	560	650
110	250	340	420	500	580
120	220	300	370	450	520
130	200	260	330	390	450
140	170	220	280	330	390
150	140	190	230	280	320
160	110	150	190	220	260
170	80	110	140	170	190
180	60	70	90	110	130
190	30	40	50	60	60
200	0	0	0	0	0

Potassium Message(s) :

When soil test K is greater than 200 ppm:
Very high K may lead to crop production or feed quality problems for the current crop or other crops in the rotation. (See Back).

Revised: 10/2/2008