

# SM GRAIN SIL/CORN GRAIN DBL CRP

Crop Code: 1046

## 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 )				
100	130	160	190	220
100	130	160	190	220

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

Legume and percent stand	Corn Yield Goal ( Bu/A )				
	100	130	160	190	220
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 ( Bu/A )				
	100	130	160	190	220
0	180	210	240	270	300
5	160	190	220	250	280
10	140	170	200	220	250
15	120	150	170	200	230
20	100	120	150	180	210
25	80	100	130	160	180
30	50	80	110	130	160
35	40	60	80	100	120
40	30	40	50	70	80
45	10	20	30	30	40
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.

**Potassium Recommendation (lb K<sub>2</sub>O/A):**

*(Optimum soil test K: 100 - 200 ppm)*

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