

# MAGNESIUM RECOMMENDATIONS

The optimum magnesium (Mg) level varies with the crop. The optimum Mg is given on the crop sheet for each crop in this handbook. Look in the left hand column and find the soil test Mg level in ppm as reported on the bar chart in the middle of the soil test report then go across to the appropriate "Optimum Mg" column for that crop to determine the amount of Mg recommended.

Since the most common source of Mg is magnesium containing limestone, the Mg recommendation is also given on the soil test report as the percent Mg required in the recommended limestone to meet the Mg requirement. To calculate this percentage divide the Mg recommendation determined from this table by the limestone recommendation determined from table 1 and multiply by 100.

Recommendations are given as elemental Mg because limestone is required by PA law to be labeled with the elemental Mg analysis. You can convert the the Mg recommendation to MgO by multiplying the Mg recommendation times 1.6.

**Table 2. Magnesium Recommendation (lb Mg/A)**

Soil Test Mg Level (ppm)	Optimum Mg Level (ppm)			
	50	60	100	120
0	100	125	200	250
5	95	110	190	240
10	90	105	180	230
15	85	95	170	220
20	80	80	155	205
25	75	75	150	200
30	70	60	140	190
35	60	50	125	175
40	60	45	120	170
45	50	30	105	155
50	0	20	95	140
55	0	15	90	140
60	0	0	75	125
65	0	0	65	105
70	0	0	55	105
75	0	0	45	95
80	0	0	30	80
85	0	0	25	75
90	0	0	15	60
95	0	0	0	50
100	0	0	0	45
105	0	0	0	30
110	0	0	0	20
115	0	0	0	15