

LIME RECOMMENDATIONS

Limestone recommendations are made based on the pH goal and the amount of exchangeable acidity measured by the Mehlich Buffer soil test. The pH goal varies with the crop. The pH goal is given on the crop sheet for each crop in this handbook. If the soil pH is already at or above the pH goal, no limestone is recommended. If the soil pH is below the pH goal for the crop, look in the left hand column and find the acidity as reported on the bottom of the soil test report then go across to the appropriate "pH Goal" column to determine the limestone recommendation. The recommendations are given as pounds of calcium carbonate equivalent (CCE) per acre. If the limestone to be used is significantly different from 100% CCE, the recommendation must be adjusted for this difference. ST-2 "Liming Material Conversion Table" explains how to make this adjustment.

Table 1. Lime Recommendation (lb CCE/A)

Acidity (meq/100 g)	pH Goal 7.0	pH Goal 6.5	pH Goal 6.0	pH Goal 5.5	pH Goal 5.0
2.0	2,000	2,000	2,000	2,000	2,000
2.6	3,000	2,000	2,000	2,000	2,000
3.3	3,000	2,000	2,000	2,000	2,000
3.9	4,000	3,000	2,000	2,000	2,000
4.6	5,000	3,000	2,000	2,000	2,000
5.2	5,000	4,000	2,000	2,000	2,000
5.8	6,000	4,000	2,000	2,000	2,000
6.5	7,000	5,000	3,000	2,000	2,000
7.1	7,000	5,000	4,000	2,000	2,000
7.8	8,000	6,000	4,000	2,000	2,000
8.4	8,000	6,000	5,000	3,000	2,000
9.0	9,000	7,000	5,000	3,000	3,000
9.7	10,000	8,000	6,000	4,000	3,000
10.3	10,000	8,000	6,000	4,000	3,000
11.0	11,000	9,000	7,000	4,000	3,000
11.6	12,000	9,000	7,000	5,000	4,000
12.3	12,000	10,000	8,000	5,000	4,000
12.9	13,000	11,000	8,000	6,000	4,000
13.5	14,000	11,000	9,000	6,000	5,000
14.2	14,000	12,000	9,000	6,000	5,000
14.8	15,000	12,000	10,000	7,000	6,000
15.5	16,000	13,000	10,000	7,000	6,000
16.1	16,000	14,000	11,000	8,000	6,000
16.8	17,000	14,000	11,000	8,000	6,000
17.4	17,000	15,000	12,000	8,000	7,000
18.0	18,000	15,000	12,000	9,000	7,000
18.7	19,000	16,000	13,000	9,000	7,000
19.3	19,000	17,000	13,000	10,000	8,000
20.0	20,000	17,000	14,000	10,000	8,000

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Table 1. Lime Recommendation (lb CCE/A)

Acidity (meq/100 g)	pH Goal 7.0	pH Goal 6.5	pH Goal 6.0	pH Goal 5.5	pH Goal 5.0
20.6	21,000	18,000	14,000	10,000	8,000
21.2	21,000	18,000	15,000	11,000	9,000
21.9	22,000	20,000	15,000	11,000	9,000
22.5	23,000	20,000	16,000	12,000	9,000
23.2	23,000	20,000	16,000	12,000	10,000
23.8	24,000	21,000	17,000	12,000	10,000
24.5	25,000	21,000	17,000	13,000	10,000
25.1	25,000	22,000	18,000	13,000	11,000
25.7	26,000	23,000	18,000	14,000	11,000