

**Example 3-1: Determining the Liming Rate**

**Information Given:**

Crop to be grown: Irrigated Corn  
 Soil OM: 1% (from Soil Test Report Form -- to determine if target pH for a high OM soil should be used)  
 Target pH: 6.0 (from Recommendation Section for the crop)  
 Water pH: 5.4 (from *Soil pH* on Soil Test Report)  
 Buffer pH: 7.65 (from *Buffer pH* on Soil Test Report)

**Lime Requirement:**                    **1.0 ton/ac or 50 lbs/1000 square feet**

Section of Table 3.

Water pH ↓	Buffer pH														
	7.95	7.90	7.85	7.80	7.75	7.70	7.65	7.60	7.55	7.50	7.45	7.40	7.35	7.30	7.25
5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
5.8	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
5.7	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
5.6	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
5.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
5.4	0.0	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
5.3	0.0	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0