

ANR-0109

Tons of Liming Material with an Effective Neutralizing Power (ENP) of 2000 lb/ton Needed to Raise Soil pH to Desired Target pH for Ohio Mineral Soils

ANR-0109-Table 2

Buffer pH ⁴	Desired Soil Ph		
	6.0 ¹	6.5 ²	6.8 ³
	Tons of lime/acre		
6.8	0.7	0.8	0.9
6.7	1.1	1.4	1.5
6.6	1.6	1.9	2.2
6.5	2.0	2.5	2.9
6.4	2.5	3.1	3.6
6.3	3.0	3.6	4.3
6.2	3.4	4.2	4.9
6.1	3.9	4.7	5.6
6.0	4.3	5.3	6.3

¹For desired pH of 6.0: lime recommendation = $-4.5721 \times \text{buffer pH} + 31.7602$

²For desired pH of 6.5: lime recommendation = $-5.6399 \times \text{buffer pH} + 39.1496$

³For desired pH of 6.8: lime recommendation = $-6.7553 \times \text{buffer pH} + 46.8098$

⁴To compute lime test index (LTI), multiply buffer pH by 10.

