

Table 1. Target pH values used by the University of Delaware Soil Testing Laboratory in calculating lime requirements for home, landscape and golf course plantings.

Plant	Target pH	Plant	Target pH
Fruit Crops		Golf Courses	
Apples	6.0	Bentgrass Fairways	6.5
Blackberries	6.0	Bentgrass Greens and Tees	6.5
Blueberries	5.2	Bluegrass Fairways and Tees	6.5
Cherries	6.0	Lawns	
Grapes	6.0	Athletic Fields	6.5
Nectarines	6.0	Bermuda/Zoysia Mix	6.0
Peaches	6.0	Bluegrass/Ryegrass/Fescue Mix	6.0
Pears	6.0	Industrial Lawns	6.5
Plums	6.0	Groundcovers, Shrubs and Trees	
Raspberries	6.0	Groundcovers (<i>e.g., pachysandra, periwinkle, ivy</i>)	6.0
Strawberries	6.0	Acid-loving shrubs (<i>e.g., azaleas, rhododendrons</i>)	5.6
Garden Plants		Evergreen shrubs and trees** (<i>e.g., holly, pine</i>)	6.0
Mixed Vegetable Garden	6.0	Other shrubs (<i>e.g., lilac, cotoneaster, forsythia</i>)	6.0
Mixed Flower Bed	6.0	Flowering trees (<i>e.g., cherry, crabapple, dogwood</i>)	6.0
Roses	6.0	Shade trees (<i>e.g., ash, maple, oak</i>)	6.0

* For Douglas Fir, use a target pH of 5.6

Table 2. Home garden and landscape liming table for target pH 5.2 -- rate in lbs lime/1000 square feet.

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	7.20	7.15	7.10	7.05	7.00
5.1	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25
5.0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	50	50
4.9	0	0	0	0	25	25	25	25	25	25	25	25	50	50	50	50	50	50	50	50
4.8	0	0	0	25	25	25	25	25	25	50	50	50	50	50	50	75	75	75	75	75
4.7	0	0	25	25	25	25	25	50	50	50	50	50	50	75	75	75	75	100	100	100
4.6	0	0	25	25	25	25	50	50	50	50	50	75	75	75	75	100	100	100	100	125
4.5	0	25	25	25	25	50	50	50	50	75	75	75	100	100	100	125	125	125	125	125
4.4	0	25	25	25	50	50	50	75	75	100	100	100	100	125	125	125	150	150	150	175

To convert the lime rate from lbs/1000 square feet to tons/ac, divide the lime rate by 50. A lime rate of 50 lbs/1000 square feet would be equal to 1.0 ton/ac.

To convert the lime rate from lbs/1000 square feet to lbs/100 square feet, divide the lime rate by 10. A lime rate of 50 lbs/1000 square feet would be equal to 5 lbs/100 square feet.

Table 3. Home garden and landscape liming table for target pH 5.6 -- rate in lbs lime/1000 square feet.

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	7.20	7.15	7.10	7.05	7.00
5.5	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
5.4	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	50	50
5.3	0	0	0	0	25	25	25	25	25	25	25	25	50	50	50	50	50	50	50	50
5.2	0	0	0	25	25	25	25	25	25	50	50	50	50	50	50	50	75	75	75	75
5.1	0	0	25	25	25	25	25	25	50	50	50	50	50	75	75	75	75	75	75	100
5.0	0	0	25	25	25	25	25	50	50	50	50	75	75	75	75	75	100	100	100	100
4.9	0	0	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100	125	125
4.8	0	25	25	25	25	50	50	50	50	75	75	75	100	100	100	100	125	125	125	125
4.7	0	25	25	25	25	50	50	50	75	75	75	100	100	100	100	125	125	125	150	150
4.6	0	25	25	25	50	50	50	75	75	75	100	100	100	125	125	125	150	150	150	175
4.5	0	25	25	25	50	50	75	75	75	100	100	100	125	125	125	150	150	175	175	175
4.4	0	25	25	50	50	50	75	75	100	100	125	125	125	150	150	175	175	175	200	200

To convert the lime rate from lbs/1000 square feet to tons/ac, divide the lime rate by 50. A lime rate of 50 lbs/1000 square feet would be equal to 1.0 ton/ac.

To convert the lime rate from lbs/1000 square feet to lbs/100 square feet, divide the lime rate by 10. A lime rate of 50 lbs/1000 square feet would be equal to 5 lbs/100 square feet.

Table 4. Home garden and landscape liming table for target pH 6.0 -- rate in lbs lime/1000 square feet.

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	7.20	7.15	7.10	7.05	7.00
5.9	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
5.8	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50
5.7	0	0	0	25	25	25	25	25	25	25	25	50	50	50	50	50	50	50	50	75
5.6	0	0	0	25	25	25	25	25	25	50	50	50	50	50	50	50	75	75	75	75
5.5	0	0	25	25	25	25	25	50	50	50	50	50	75	75	75	75	75	100	100	100
5.4	0	0	25	25	25	25	50	50	50	50	50	75	75	75	75	100	100	100	100	100
5.3	0	25	25	25	25	50	50	50	50	75	75	75	100	100	100	100	125	125	125	125
5.2	0	25	25	25	25	50	50	50	50	75	75	100	100	100	100	100	125	125	125	150
5.1	0	25	25	25	50	50	50	50	75	75	75	100	100	100	125	125	125	150	150	150
5.0	0	25	25	25	50	50	50	75	75	75	100	100	100	125	125	125	150	150	150	175
4.9	0	25	25	25	50	50	50	75	75	75	100	100	125	125	125	150	150	150	175	175
4.8	0	25	25	25	50	50	75	75	75	100	100	100	125	125	150	150	150	175	175	175
4.7	0	25	25	50	50	50	75	75	100	100	100	125	125	125	150	150	175	175	175	200
4.6	0	25	25	50	50	50	75	75	100	100	100	125	125	125	150	150	175	175	200	200
4.5	0	25	25	50	50	75	75	100	100	100	125	125	150	150	175	175	200	200	200	200

To convert the lime rate from lbs/1000 square feet to tons/ac, divide the lime rate by 50. A lime rate of 50 lbs/1000 square feet would be equal to 1.0 ton/ac.

To convert the lime rate from lbs/1000 square feet to lbs/100 square feet, divide the lime rate by 10. A lime rate of 50 lbs/1000 square feet would be equal to 5 lbs/100 square feet.

Table 5. Home garden and landscape liming table for target pH 6.5 -- rate in lbs lime/1000 square feet.

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	7.20	7.15	7.10	7.05	7.00
6.4	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25
6.3	0	0	0	0	25	25	25	25	25	25	25	25	25	50	50	25	25	50	50	50
6.2	0	0	0	25	25	25	25	25	25	50	50	50	50	50	50	50	75	75	75	75
6.1	0	0	25	25	25	25	25	50	50	50	50	50	50	75	75	75	75	75	100	100
6.0	0	0	25	25	25	25	50	50	50	50	50	75	75	75	75	100	100	100	100	125
5.9	0	25	25	25	25	50	50	50	50	75	75	75	100	100	100	100	100	125	125	125
5.8	0	25	25	25	25	50	50	50	75	75	75	100	100	100	100	125	125	125	125	150
5.7	0	25	25	25	50	50	50	50	75	75	75	100	100	100	125	125	125	150	150	150
5.6	0	25	25	25	50	50	50	75	75	75	100	100	100	125	125	125	150	150	150	175
5.5	0	25	25	25	50	50	75	75	75	75	100	100	125	125	125	150	150	150	175	175
5.4	0	25	25	50	50	50	75	75	75	100	100	125	125	125	150	150	150	175	175	200
5.3	0	25	25	50	50	50	75	75	100	100	100	125	125	150	150	150	175	175	200	200
5.2	0	25	25	50	50	50	75	75	100	100	100	125	125	150	150	150	175	175	200	200
5.1	0	25	25	50	50	75	75	75	100	100	100	125	125	150	150	150	175	175	200	225
5.0	0	25	25	50	50	75	75	100	100	100	100	125	125	150	150	175	175	200	225	225
4.9	0	25	25	50	50	75	75	100	100	125	125	150	150	150	175	175	200	200	225	225
4.8	0	25	25	50	50	75	75	100	100	125	125	150	150	175	175	175	200	200	225	250
4.7	0	25	25	50	50	75	75	100	100	125	125	150	150	175	175	175	200	200	225	250
4.6	25	25	50	50	75	75	100	100	125	125	125	150	150	175	175	200	200	225	250	250
4.5	25	25	50	50	75	75	100	100	125	125	125	150	150	175	325	200	200	225	250	250

To convert the lime rate from lbs/1000 square feet to tons/ac, divide the lime rate by 50. A lime rate of 50 lbs/1000 square feet would be equal to 1.0 ton/ac.

To convert the lime rate from lbs/1000 square feet to lbs/100 square feet, divide the lime rate by 10. A lime rate of 50 lbs/1000 square feet would be equal to 5 lbs/100 square feet.

Table 6. Home garden and landscape liming table for target pH 6.8 -- rate in lbs lime/1000 square feet.

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	7.20	7.15	7.10	7.05	7.00
6.7	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25
6.6	0	0	0	25	25	25	25	25	25	25	25	50	50	50	50	50	50	50	50	75
6.5	0	0	25	25	25	25	25	25	50	50	50	50	75	75	75	75	75	75	75	75
6.4	0	0	25	25	25	25	50	50	50	50	50	75	75	75	75	75	75	75	75	100
6.3	0	25	25	25	25	50	50	50	50	75	75	75	100	100	100	100	100	125	125	125
6.2	0	25	25	25	25	50	50	50	75	75	75	100	100	100	100	125	125	125	150	150
6.1	0	25	25	25	50	50	50	75	75	75	75	100	100	100	125	125	125	150	150	150
6.0	0	25	25	25	50	50	50	75	75	75	75	100	100	125	125	125	150	150	175	175
5.9	0	25	25	25	50	50	75	75	75	100	100	100	125	125	150	150	150	175	175	175
5.8	0	25	25	50	50	50	75	75	100	100	100	125	125	150	150	150	175	175	175	200
5.7	0	25	25	50	50	50	75	75	100	100	100	125	125	150	150	150	175	175	200	200
5.6	0	25	25	50	50	75	75	75	100	100	100	125	125	150	150	150	175	175	200	225
5.5	0	25	25	50	50	75	75	100	100	100	100	125	125	150	150	175	175	200	200	225
5.4	0	25	25	50	50	75	75	100	100	125	125	150	150	150	175	175	200	200	225	225
5.3	0	25	25	50	50	75	75	100	100	125	125	150	150	175	175	175	200	200	225	250
5.2	0	25	25	50	50	75	75	100	100	125	125	150	150	175	175	175	200	200	225	250
5.1	25	25	50	50	75	75	100	100	125	125	125	150	150	175	175	200	200	225	250	250
5.0	25	25	50	50	75	75	100	100	125	125	125	150	150	175	175	200	200	225	250	250
4.9	25	25	50	50	75	75	100	100	125	125	125	150	150	175	175	200	200	225	250	250
4.8	25	25	50	50	75	75	100	100	125	125	125	150	150	175	200	200	200	225	250	250

To convert the lime rate from lbs/1000 square feet to tons/ac, divide the lime rate by 50. A lime rate of 50 lbs/1000 square feet would be equal to 1.0 ton/ac.

To convert the lime rate from lbs/1000 square feet to lbs/100 square feet, divide the lime rate by 10. A lime rate of 50 lbs/1000 square feet would be equal to 5 lbs/100 square feet.
