

OPTIMUM SOIL PH LEVELS FOR PLANTS

Common Name	Optimum pH Range
Trees and Shrubs	
Apple	5.0-6.5
Ash	6.0-7.5
Azalea	4.5-6.0
Basswood	6.0-7.5
Beautybush	6.0-7.5
Birch	5.0-6.5
Blackberry	5.0-6.0
Blueberry	4.0-6.0
Boxwood	6.0-7.5
Cherry, sour	6.0-7.0
Chestnut	5.0-6.5
Crab apple	6.0-7.5
Dogwood	5.0-7.0
Elder, box	6.0-8.0
Fir, balsam	5.0-6.0
Fir, Douglas	6.0-7.0
Hemlock	5.0-6.0
Hydrangea, blue-flowered	4.0-5.0
Hydrangea, pink-flowered	6.0-7.0
Juniper	5.0-6.0
Laurel, mountain	4.5-6.0
Lemon	6.0-7.5
Lilac	6.0-7.5
Maple, sugar	6.0-7.5
Oak, white	5.0-6.5
Orange	6.0-7.5
Peach	6.0-7.0

Pear	6.0-7.5
Pecan	6.4-8.0
Pine, red	5.0-6.0
Pine, white	4.5-6.0
Plum	6.0-8.0
Raspberry, red	5.5-7.0
Rhododendron	4.5-6.0
Spruce	5.0-6.0
Walnut, black	6.0-8.0
Willow	6.0-8.0
Vegetables	
Asparagus	6.0-8.0
Bean, pole	6.0-7.5
Beet	6.0-7.5
Broccoli	6.0-7.0
Brussels sprout	6.0-7.5
Cabbage	6.0-7.0
Carrot	5.5-7.0
Cauliflower	5.5-7.5
Celery	5.8-7.0
Chive	6.0-7.0
Cucumber	5.5-7.0
Garlic	5.5-8.0
Kale	6.0-7.5
Lettuce	6.0-7.0
Pea, sweet	6.0-7.5
Pepper, sweet	5.5-7.0
Potato	4.8-6.5
Pumpkin	5.5-7.5
Radish	6.0-7.0

Spinach	6.0-7.5
Squash, crookneck	6.0-7.5
Squash, Hubbard	5.5-7.0
Tomato	5.5-7.5
Flowers	
Alyssum	6.0-7.5
Aster, New England	6.0-8.0
Baby's breath	6.0-7.0
Bachelor's button	6.0-7.5
Bee balm	6.0-7.5
Begonia	5.5-7.0
Black-eyed Susan	5.5-7.0
Bleeding heart	6.0-7.5
Canna	6.0-8.0
Carnation	6.0-7.0
Chrysanthemum	6.0-7.5
Clematis	5.5-7.0
Coleus	6.0-7.0
Coneflower, purple	5.0-7.5
Cosmos	5.0-8.0
Crocus	6.0-8.0
Daffodil	6.0-6.5
Dahlia	6.0-7.5
Daisy, Shasta	6.0-8.0
Daylily	6.0-8.0
Delphinium	6.0-7.5
Foxglove	6.0-7.5
Geranium	6.0-8.0
Gladiolus	5.0-7.0
Hibiscus	6.0-8.0

Hollyhock	6.0-8.0
Hyacinth	6.5-7.5
Iris, blue flag	5.0-7.5
Lily-of-the-valley	4.5-6.0
Lupine	5.0-6.5
Marigold	5.5-7.5
Morning glory	6.0-7.5
Narcissus, trumpet	5.5-6.5
Nasturtium	5.5-7.5
Pansy	5.5-6.5
Peony	6.0-7.5
Petunia	5.5-6.0
Phlox, summer	6.0-8.0
Poppy, oriental	6.0-7.5
Rose, hybrid tea	5.5-7.0
Rose, rugosa	6.0-7.0
Snapdragon	5.5-7.0
Sunflower	6.0-7.5
Tulip	6.0-7.0
Zinnia	5.5-7.0

Source: <https://www.almanac.com/plant-ph>