

# Soil Nutrient Analysis Laboratory

Soil Nutrient Analysis • Laboratory, 6 Sherman Place, Unit 5102, Storrs, CT 06269-5102 • Phone: 860-486-4274, Fax: 860-486-4562  
 Location: Union Cottage, Depot Campus, Mansfield



## Flowers, Ornamental Trees and Shrubs:

Name	pH Range	Name	pH Range	Name	pH Range
Abelia	6.0-8.0	Dianthus	6.0-7.5	Morning Glory	6.0-7.5
Aconitum	5.0-6.0	Dogwood	5.0-7.0	Nasturtium	5.5-7.5
Ageratum	6.0-7.5	Elaeagnus	5.0-7.5	Nicotiana	5.5-6.5
Ajuga	4.0-6.0	Erica	4.5-6.0	Pachysandra	5.0-8.0
Alyssum	6.0-7.5	Everlasting Flowers	5.0-6.0	Paeonia	6.0-7.5
Amaranthus	6.0-6.5	Firethorn	6.0-8.0	Pansy	5.5-7.0
Anemone	6.0-7.5	Forsythia	6.0-8.0	Pea(Sweet)	6.0-7.5
Armeria	6.0-7.5	Foxglove	6.0-7.5	Penstemon	5.5-7.0
Aster	5.5-7.5	Fritillaria	6.0-7.5	Periwinkle	6.0-7.5
Aubrieta	6.0-7.5	Gaillardia	6.0-7.5	Petunia	6.0-7.5
Azalea	4.5-6.0	Gazania	5.5-7.0	Pinks	6.0-7.5
Bleeding Heart	6.0-7.5	Gentiana	5.0-7.5	Poppy	6.0-7.5
Broom	5.0-6.0	Gladiolus	6.0-7.0	Portulaca	5.5-7.5
Buddleia	6.0-7.0	Gypsophila	6.0-7.5	Primrose	5.5-6.5
Calendula	5.5-7.0	Hawthorn	6.0-7.0	Privet	5.0-7.5
Candytuft	6.0-7.5	Helianthus	5.0-7.0	Prunus	6.5-7.5
Canna	6.0-8.0	Helleborus	6.0-7.5	Pyrethrum	6.0-7.5
Canterbury Bells	6.0-7.5	Holly	5.0-6.5	Rhododendron	4.5-6.0
Carnation	6.0-7.5	Hollyhock	6.0-7.5	Rose Hybrid Tea	5.5-7.0
Catalpa	6.0-8.0	Honeysuckle	6.0-7.5	Climbing	6.0-7.0
Celosia	6.0-7.0	Hyacinth	6.5-7.5	Rambling	5.5-7.0
Centaurea	5.0-6.5	Hydrangea(Blue)	4.0-5.0	Salvia	6.0-7.5
Chrysanthemum	6.0-7.0	Hydrangea(Pink)	6.0-7.0	Scabiosa	5.0-7.5
Clematis	5.5-7.0	Hydrangea(White)	6.5-8.0	Sedum	6.0-7.5
Colchicum	5.5-6.5	Hypericum	5.5-7.0	Snapdragon	5.5-7.0
Columbine	6.0-7.0	Iris	5.0-6.5	Spirea	6.0-7.5
Convolvulus	6.0-8.0	Ivy	5.0-7.5	Spruce	4.0-5.0
Coreopsis	5.0-6.0	Juniper	5.0-6.5	Stock	6.0-7.5
Cosmos	5.0-8.0	Kalmia	4.5-5.0	Sunflower	5.0-7.0
Cotoneaster	6.0-8.0	Laurel	5.0	Sweet William	6.0-7.5
Crab Apple	6.0-7.5	Lavender	6.5-7.5	Trillium	5.0-6.5
Crocus	6.0-7.5	Liatrus	5.5-7.5	Tulip	6.0-7.0
Daffodil	6.0-6.5	Lilac	6.0-7.5	Viburnum	5.0-7.5
Dahlia	6.0-7.5	Lobelia	6.0-7.5	Viola	5.5-6.5
Day Lily	6.0-8.0	Lupinus	5.5-7.0	Weigela	6.0-7.0
Delphinium	6.0-7.5	Magnolia	5.0-6.0	Zinnia	5.5-7.5
Deutzia	6.0-7.5	Marigold	5.5-7.0		

## Fruit:

Name	pH Range	Name	pH Range	Name	pH Range
Apple	5.0-6.5	Hop	6.0-7.5	Quince	6.0-7.5
Apricot	6.0-7.0	Melon	5.5-6.5	Raspberry	5.0-6.5
Blackberry	5.0-6.0	Mulberry	6.0-7.5	Rhubarb	5.5-7.0
Blueberry	4.5-5.5	Nectarine	6.0-7.5	Strawberry	5.0-7.5
Cherry	6.0-7.5	Peach	6.0-7.5	Watermelon	5.5-6.5
Cranberry	5.5-6.5	Pear	6.0-7.5		
Grapevine	6.0-7.0	Plum	6.0-7.5		

### House and Greenhouse Plants:

<i>Name</i>	<i>pH Range</i>	<i>Name</i>	<i>pH Range</i>	<i>Name</i>	<i>pH Range</i>
Abutilon	5.5-6.5	Cyclamen	6.0-7.0	Kangaroo Vine	5.0-6.5
African Violet	6.0-7.0	Dieffenbachia	5.0-6.0	Lantana	5.5-7.0
Aglaonema	5.0-6.0	Dracaena	5.0-6.0	Laurus (Bay Tree)	6.0-7.5
Amaryllis	5.5-6.5	Easter Lily	6.0-7.0	Mimosa	5.0-7.0
Aphelandra	5.0-6.0	Episcia	6.0-7.0	Monstera (Swiss Cheese Plant)	5.0-6.0
Araucaria	5.0-6.0	Eucalyptus	6.0-8.0	Myrtle	6.0-8.0
Asparagus Fern	6.0-8.0	Euonymus	5.5-7.0	Oleander	6.0-7.5
Aspidistra	4.0-5.5	Ferns: Bird Nest	5.0-5.5	Orchid	4.5-5.5
Azalea	4.5-6.0	Boston	5.5-6.5	Oxalis	6.0-8.0
Begonia	5.5-7.0	Button	6.0-8.0	Palms	6.0-7.5
Bird of Paradise	6.0-6.5	Christmas	6.0-7.5	Peacock Plant	5.0-6.0
Bougainvillea	5.5-7.5	Maidenhair	6.0-8.0	Peperomia	5.0-6.0
Bromeliads	5.0-7.5	Rabbits Foot	6.0-7.5	Philodendron	5.0-6.0
Cacti	4.5-6.0	Spleenwort	6.0-7.5	Pilea	6.0-8.0
Calceolaria	6.0-7.0	Fig	5.0-6.0	Podocarpus	5.0-6.5
Caladium	6.0-7.5	Fittonia	5.5-6.5	Poinsettia	6.0-7.5
Calla Lily	6.0-7.0	Freesia	6.0-7.5	Prayer Plant	5.0-6.0
Camellia	4.5-5.5	Gardenia	5.0-6.0	Rubber Plant	5.0-6.0
Capsicum	5.0-6.5	Geranium	6.0-8.0	Sansevieria	4.5-7.0
Century Plant	5.0-6.5	Gloxinia	5.5-6.5	Saxifraga	6.0-8.0
Chinese Primrose	6.0-7.5	Grape Ivy	5.0-6.5	Shrimp Plant	5.5-6.5
Christmas Cactus	5.0-6.5	Gynura	5.5-6.5	Spanish Bayonet	6.0-7.5
Cineraria	5.5-7.0	Hedera (Ivy)	6.0-7.5	Spider Plant	6.0-7.5
Clivia	5.5-6.5	Hibiscus	6.0-8.0	Succulents	5.0-6.5
Coffee Plant	5.0-6.0	Hoya	5.0-6.5	Syngonium	5.0-6.5
Coleus	6.0-7.0	Ivy Tree	6.0-7.0	Umbrella Tree	5.0-7.5
Crassula	5.0-6.0	Jasminum	5.5-7.0	Venus Flytrap	4.0-5.0
Creeping Fig	5.0-6.0	Jerusalem Cherry	5.5-6.5	Weeping Fig	5.0-6.0
Croton	5.0-6.0	Jessamine	5.0-6.0	Yucca	6.0-7.5
Crown of Thorns	6.0-7.5	Kalanchoe	6.0-7.5	Zebrina	5.0-6.0

### Vegetables and Herbs:

<i>Name</i>	<i>pH Range</i>	<i>Name</i>	<i>pH Range</i>	<i>Name</i>	<i>pH Range</i>
Artichoke	6.5-7.5	Fennel	5.0-6.0	Pea	6.0-7.5
Asparagus	6.0-8.0	Garlic	5.5-7.5	Pepper	5.5-7.0
Basil	5.5-6.5	Ginger	6.0-8.0	Peppermint	6.0-7.5
Bean (Runner, Broad, French)	6.0-7.5	Horseradish	6.0-7.0	Potato	4.5-6.0
Beetroot	6.0-7.5	Kale	6.0-7.5	Potato-Sweet	5.5-6.0
Broccoli	6.0-7.0	Kohlrabi	6.0-7.5	Pumpkin	5.5-7.5
Brussels Sprouts	6.0-7.5	Leek	6.0-8.0	Radish	6.0-7.0
Cabbage	6.0-7.5	Lettuce	6.0-7.0	Rosemary	5.0-6.0
Carrot	5.5-7.0	Marjoram	6.0-8.0	Sage	5.5-6.5
Cauliflower	5.5-7.5	Mint	7.0-8.0	Shallot	5.5-7.0
Celery	6.0-7.0	Mushroom	6.5-7.5	Spearmint	5.5-7.5
Chinese Cabbage	6.0-7.5	Mustard	6.0-7.5	Spinach	6.0-7.5
Chives	6.0-7.0	Olive	5.5-6.5	Thyme	5.5-7.0
Corn- Sweet	5.5-7.5	Onion	6.0-7.0	Tomato	5.5-7.5
Cress	6.0-7.0	Parsley	5.0-7.0	Turnip	5.5-7.0
Cucumber	5.5-7.5	Parsnip	5.5-7.5	Water Cress	6.0-8.0