



LITCHFIELD ANALYTICAL SERVICES

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 Feeds Forages Mycotoxins Soils Plant Tissues Manure Fertilizers Lime Water

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pH Requirements of Selected Plants

<u>Plant</u>	<u>Optimum Range</u>	<u>Plant</u>	<u>Optimum Range</u>	<u>Plant</u>	<u>Optimum Range</u>
Abelia	5.5-6.5	Achillea	5.0-7.5	African Daisy	5.8-6.5
Ageratum	6.0-6.5	Alfalfa	6.5-7.0	Althea	5.5-6.5
Almond, Flowering	5.5-6.5	Alyssum	5.8-6.2	Amaryllis	6.0-6.5
American Arbor Vitae	6.0-7.5	American Elm	6.5-7.0	American Linden	6.5-7.0
American Linden	5.0-6.5	American Red Pine	5.0-6.0	American Smoke Tree	6.0-8.0
American White Ash	6.0-7.5	Ampelopsis	6.0-8.0	Andromeda	5.0-5.5
Anemone	6.5-7.0	Apple	6.5-7.0	Apricot	6.0-7.0
Arbutus	5.0-5.5	Arborvitae	6.5-7.5	Ash	6.0-7.0
Asparagus	6.5-7.0	Aster	6.5-7.0	Astilbe	6.0-8.0
Augustinegrass	6.0-7.0	Avens	6.5-7.0	Azalea, Dwarf	4.8-5.5
Azalia, Indian	5.0-6.0	Baby's Breath	6.5-7.0	Bald Cypress	5.5-6.5
Balsam	6.5-7.0	Banana	5.0-7.0	Barberry	6.0-7.5
Bayberry	5.0-6.0	Barley	6.5-7.0	Beautybush	6.0-7.5
Beans	5.0-6.5	Beech	5.5-7.0	Beets	6.5-7.0
Begger Weed	6.5-7.0	Begonia	5.5-6.0	Bent Grasses	5.0-5.5
Bermudagrass	6.0-7.0	Birch	5.0-6.0	Bird of Paradise	6.0-6.5
Bittersweet Vine	4.5-6.0	Black Locust	6.0-7.5	Black Oak	6.0-7.0
Blackberry	5.5-6.5	Blackberry	5.6-6.5	Bleeding Hearts	5.0-6.0
Blue Grass	6.5-7.0	Blueberry	5.0-5.5	Boston Ivy	6.5-7.5
Bottlebrush	5.5-6.5	Bougainvilleas	5.0-7.5	Box Elder	6.0-8.0
Boxwood	6.0-7.0	Broccoli	6.5-7.0	Brome Grass	6.5-7.0
Brussel Sprouts	5.6-6.5	Buckeye	6.0-7.0	Buckwheat	5.0-6.5
Butterfly Bush	6.0-7.0	Butternut	6.5-7.0	Cabbage	5.6-6.5
Caladiums	5.8-6.5	Cally Lily	6.0-7.0	Camellia	5.0-5.5
Camomile	6.5-7.0	Canadian Hemlock	5.0-6.0	Candytuft	6.5-7.0
Canna Lily	5.5-7.0	Cannas	6.0-8.0	Carnations	6.0-7.5
Carpetgrass	5.4-5.8	Carrot	5.6-6.5	Catalpa	6.0-8.0
Cauliflower	6.5-7.0	Celery	6.5-7.0	Celosia	5.8-6.5
Centipedeagrass	5.4-5.8	Chard	6.5-7.0	Cherry	6.5-7.0
Chicory	6.5-7.0	Chinese Lantern Lily	5.5-6.5	Chives	6.0-7.0
Chrysanthemum	6.5-7.0	Cineraria	5.0-5.5	Cinerea	7.0-7.5
Clarkia	6.5-7.0	Clematis	5.5-7.0	Cleyera	5.0-6.0
Clover	7.0-7.5	Collards	6.5-7.0	Colorado Blue Spruce	6.0-7.0
Columbine	6.5-7.0	Corkscrew Filbert	6.0-7.0	Corn	5.6-6.5
Cosmos	6.5-7.0	Cotton	6.5-7.0	Cotoneaster	6.5-7.5
Cowpea	5.6-6.5	Crabapple	5.0-6.0	Cranberry	5.0-5.5
Crape Myrtle	5.0-7.5	Crimson Clover	5.6-6.5	Crocus	6.5-7.0
Cucumber	5.6-6.5	Currant	6.5-7.0	Cyclamen	5.0-5.5
Cypress	5.5-5.8	Daffodil	5.0-5.5	Dahlia	6.5-7.0
Daphne	6.5-7.5	Daylily	5.5-6.8	Delphinium	7.0-7.5
Deutzia	6.0-7.5	Dewberry	5.0-5.5	Dianthus	5.4-5.8
Dogwood	5.0-7.0	Douglas Fir	6.0-7.0	Dutchman's Pipe	6.0-8.0

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Easter Lily	5.5-6.0	Eggplant	6.5-7.0	Eleagnus	6.0-7.0
Elm	6.0-7.0	Endive	5.6-6.5	English Ivy	6.5-7.5
Euonymus, winged	5.5-7.0	European Alder	5.5-6.5	European Mountain Ash	6.0-7.5
Europhobia	5.5-6.0	Ferns	5.0-6.0	Fescue	6.0-7.0
Feverfew	6.5-7.0	Fir	5.0-5.5	Flax	6.5-7.0
Flowering Cherry	6.0-6.5	Flowering Quince	5.8-6.5	Forsythia	5.5-6.5
Fountain Beech	5.5-7.0	Four O'Clock	6.0-7.0	Foxglove	6.5-7.0
Foxtail	6.5-7.0	Franklin Tree	6.0-7.0	Fraser Fir	4.0-5.5
Fringe Tree	5.0-6.0	Fuchsia	6.5-7.0	Gardenia	4.0-5.8
Geranium	7.0-7.5	German Statice	6.0-7.5	Germander	6.0-8.0
Giant Redwood	3.5-4.5	Gladiolus	6.5-7.0	Gloxinia	5.5-6.0
Golden Rain Tree	6.0-7.0	Gooseberry	6.5-7.0	Grape	6.5-7.0
Grapefruit	6.0-7.5	Green Ash	6.0-7.5	Hairy Vetch	5.0-5.5
Hawthorne	6.5-7.5	Heath	4.5-6.0	Heather	4.5-6.0
Helianthus	6.5-7.0	Hemlock	5.0-5.5	Hemp	6.5-7.0
Hibiscus	5.5-6.5	Hickory	6.5-7.0	Holly	5.0-6.0
Hollyhock	6.0-7.0	Honeylocust	6.0-8.0	Honeysuckle	6.0-7.0
Hops	6.5-7.0	Hornbeam	6.0-8.0	Horseradish	6.5-7.0
Hosta	6.0-7.5	Huckleberry	5.0-5.5	Hyacinth	6.5-7.0
Hydrangea, Blue	4.5-5.0	Hydrangea, Pink	6.5-7.0	Hydrangea, Oakleaf	5.5-6.5
Indian Hawthorn	5.5-6.5	Iris	6.5-7.0	Japanese Iris	5.0-6.5
Japanese Larch	5.0-6.5	Jasmine	5.5-7.0	Juniper	5.0-6.0
Kale	6.5-7.0	Kohlrabi	6.5-7.0	Lady's Finger	6.5-7.0
Ladyslipper	4.0-5.8	Larkspur	6.5-7.0	Laurel	5.0-5.8
Leek	6.5-7.0	Lemon	6.0-7.0	Lemon Balm	6.0-8.0
Lentil	6.5-7.0	Lettuce	6.5-7.0	Ligustrum	5.8-6.5
Lilac Tree	6.0-7.5	Lily	5.0-5.5	Lily of the Valley	5.0-5.8
Lima Bean	6.5-7.0	Lime	6.0-7.0	Lirope	5.5-6.5
Lobelia	6.5-7.0	Lupine	5.0-5.5	Magnolia, Japanese	5.0-6.0
Magnolia, Southern	5.0-6.5	Mahonia	6.0-6.5	Maidenhair Tree	6.0-7.0
Mangel	6.5-7.0	Maple	6.0-6.5	Marigold, African	6.0-7.0
Marigold, French	5.8-6.5	Meadow Grass	6.5-7.0	Meadow Oat	6.5-7.0
Mignonette	6.5-7.0	Millet	5.0-5.5	Mint	5.0-6.5
Mock Orange	6.0-8.0	Monkey Grass	5.5-6.5	Monkshood	5.0-6.5
Morning Glory	7.0-7.5	Mountain Laurel	5.0-5.5	Mugho Pine	5.0-6.0
Muskmelon	6.5-7.0	Nandina	5.5-6.5	Narcissus	6.5-7.0
Nasturtium	6.5-7.0	Nectarines	6.0-7.5	Norway Spruce	5.0-6.0
Oats	5.6-6.5	Oleander	5.0-6.5	Onion	6.5-7.0
Oranges	6.0-7.5	Orchard Grass	5.6-6.5	Orchid Grass	5.0-5.5
Orchids	5.0-5.5	Pansy	6.5-7.0	Paper Birch	5.0-6.5
Parsley	5.6-6.5	Parsnip	6.5-7.0	Peas	5.6-6.5
Peaches	6.5-7.0	Peanut	5.0-5.5	Pears	6.5-7.0
Pears, Ornamental	6.0-6.5	Pecan	6.0-7.0	Pennyroyal	7.0-8.0
Pepper	5.0-6.5	Peppermint	7.0-8.0	Periwinkle	5.0-5.5
Petunia	6.5-7.0	Phlox	6.5-7.0	Photinia	5.5-6.5
Pin Oak	5.0-6.5	Pine	5.0-5.5	Pink Hydrangea	6.5-7.0
Pinyon Nut Pine	5.0-6.0	Pittosporum	5.8-6.8	Plantain	5.0-5.5
Plum	6.5-7.0	Poinsettia	6.5-7.0	Pomegranate	5.0-6.5
Poplar Tree	6.0-7.5	Poppy	6.5-7.0	Portulaca	6.0-6.5
Potato	5.0-5.5	Primrose	6.5-7.0	Pumpkin	5.0-5.5
Pumpkin	5.6-6.5	Purslane	6.0-6.5	Pussy Willow	5.0-8.0
Pyracantha	5.5-6.5	Quince	6.5-7.0	Radish	5.6-6.5
Rape	6.5-7.0	Raspberry, Black	5.5-6.5	Raspberry, Red	6.0-7.0
Red Cedar	5.0-5.5	Red Clover	6.5-7.0	Red Oak	4.5-6.0
Red Top	5.6-6.5	Rhododendron	4.5-6.0	Rhubarb	5.6-6.5
River Birch	5.0-6.0	Rosemary	4.5-6.0	Rue	5.0-7.5
Rutabaga	5.5-6.0	Rugosa Rose	6.0-7.0	Russian Mulberry	6.0-7.5
Rye	5.6-6.5	Sage	5.5-6.5	Salad Burnet	6.0-8.0

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Salsify	6.5-7.0	Salvia	5.8-6.5	Sarvis Tree	5.0-6.0
Sasanqua	4.5-6.0	Sassafras	6.0-7.0	Scabiosa	6.5-7.0
Scotch Pine	5.0-6.5	Scrub Oak	5.0-5.5	Serviceberry	5.0-6.0
Shamrock	6.0-8.0	Sheep's Fescue	6.5-7.0	Silk Tree	5.0-7.5
Silver Lace Vine	6.0-8.0	Snapdragon	6.5-7.0	Solomon Seal	4.5-6.0
Sorghum	6.5-7.0	Sourwood	5.0-6.5	Soybean	5.6-6.5
Spearmint	6.5-7.0	Speltz	6.5-7.0	Spiderwort	5.0-7.5
Spinach	6.5-7.0	Spirea	6.0-7.5	Spruce	5.0-5.5
Squash	5.6-6.5	St. John's Wort	5.5-7.0	Stock	6.5-7.0
Strawberry	5.6-6.5	Sumac	5.0-6.0	Sunflower	6.5-7.0
Sweet Alyssum	6.5-7.0	Sweet Marjoram	6.0-8.0	Sweet Pea	6.5-7.0
Sweet Potato	5.6-6.5	Sweet William	6.5-7.0	Sycamore	6.0-7.5
Tall Fescue	6.5-7.0	Tangerine	6.0-7.0	Thyme	5.5-7.0
Timothy	6.5-7.0	Tobacco	5.6-6.5	Tomato	5.6-6.5
Torenia	6.0-6.5	Trumpet Vine	6.0-8.0	Tulip Tree	6.0-7.0
Turnip	5.6-6.5	Verbena	6.0-7.0	Vetch	6.5-7.0
Viburnum, double file	6.5-7.5	Viburnum, maple-leaved	4.0-5.0	Vinca	6.0-6.5
Violet	5.0-5.5	Viola	5.0-5.5	Virgin's Bower	6.5-7.5
Virginia Creeper	5.0-7.5	Walnut	6.5-7.0	Watercress	6.5-7.0
Watermelon	5.0-5.5	Wax Myrtle	4.5-6.5	Wheat	5.6-6.5
White Birch	5.0-5.5	White Cedar	5.0-5.5	White Clover	6.5-7.0
White Fringe Tree	5.0-6.0	White Oak	6.5-7.0	White Pine	4.5-6.0
Willow	6.5-7.0	Wintergreen	5.6-6.5	Wisteria	6.5-7.0
Witch Hazel	6.5-7.0	Woodbine	6.5-7.0	Wormwood	5.0-6.5
Yarrow	5.0-7.5	Yaupon	5.5-6.5	Yellow Clover	6.5-7.0
Yews	6.0-7.0	Yucca	6.5-7.0	Zinnia	5.0-5.5
Zoysiagrass	6.0-7.0				