

TECHNICAL NOTES

USDA-Natural Resources Conservation Service
Boise, Idaho

TN AGRONOMY NO. 21

July 14, 1982

Prepared by Floyd G. Bailey, State Conservation Agronomist, from information supplied by the American Plant Food Council.

SUITABLE pH RANGE FOR VARIOUS CROPS

Grasses

| | |
|------------------|-----------|
| Bluegrass, Ky. | 5.5 – 7.0 |
| Fescues, All | 5.5 – 7.0 |
| Millet | 5.5 – 7.0 |
| Orchard grass | 5.5 – 7.0 |
| Redtop | 5.5 – 7.0 |
| Reed Canarygrass | 5.5 – 7.0 |
| Timothy | 5.5 – 7.0 |

Field Crops

| | |
|-----------------|-----------|
| Barley | 5.5 – 7.0 |
| Buckwheat | 5.3 – 6.5 |
| Corn, All kinds | 5.5 – 7.0 |
| Oats | 5.5 – 7.0 |
| Rye | 5.5 – 7.0 |
| Wheat | 5.5 – 7.0 |

Miscellaneous

| | |
|--------------|-----------|
| Apples | 5.7 – 7.5 |
| Azalea | 5.0 – 5.5 |
| Blueberries | 5.0 – 5.5 |
| Cranberries | 5.0 – 5.5 |
| Holly | 5.0 – 5.5 |
| Rhododendron | 5.0 – 5.5 |

Trees

| | |
|-------------------------|-----------|
| Ash, Basswood & Hickory | 6.0 – 7.5 |
| Beech | 5.0 – 6.7 |
| Cedar, Red | 5.5 – 7.0 |
| Cedar, White | 4.5 – 5.0 |

Legumes

| | |
|------------------------|-----------|
| Alfalfa | 6.5 – 7.5 |
| Birdsfoot Trefoil | 5.5 – 7.0 |
| Clover, Alsike | 6.0 – 7.0 |
| Clover, Button | 6.0 – 7.0 |
| Clover, Ladino & White | 6.0 – 7.0 |
| Clover, Crimson | 5.5 – 7.0 |
| Clover, Mammoth | 6.0 – 7.0 |
| Clover, Red | 6.0 – 7.0 |
| Clover, Sweet | 6.5 – 7.5 |
| Lespedeza, Annual | 5.5 – 7.0 |
| Lespedeza, Sericea | 6.0 – 6.5 |
| Vetch | 5.5 – 6.7 |

Truck Crops

| | |
|----------------------------|-----------|
| Asparagus | 6.0 – 7.0 |
| Beans, garden & field | 5.5 – 6.5 |
| Beets, garden | 6.0 – 7.0 |
| Beets, sugar | 6.5 – 7.5 |
| Brussel Sprouts | 5.7 – 7.0 |
| Cabbage | 5.7 – 7.0 |
| Cantaloupe | 6.0 – 6.5 |
| Carrot | 5.7 – 7.0 |
| Cauliflower | 6.0 – 7.0 |
| Cucumber | 5.5 – 6.7 |
| Celery | 6.0 – 7.0 |
| Eggplant | 5.5 – 6.0 |
| Kale, Spinach, Swiss Chard | 5.7 – 7.0 |
| Kohlrabi | 5.5 – 6.5 |
| Lettuce | 6.0 – 7.0 |
| Mustard | 5.5 – 6.5 |
| Okra | 6.0 – 6.5 |

Trees (Continued)

| | |
|------------------------|-----------|
| Chestnut | 5.0 – 6.5 |
| Elder, Box | 6.0 – 8.0 |
| Elm, American | 6.0 – 7.5 |
| Fir, Balsam & Hemlock | 5.0 – 6.0 |
| Fir, Douglas | 6.0 – 7.0 |
| Maple | 6.0 – 7.5 |
| Oak, Black | 6.0 – 7.5 |
| Oak, Red | 4.5 – 6.0 |
| Oak, White | 5.0 – 6.5 |
| Pine, Jack | 4.5 – 5.0 |
| Pine, Red | 5.0 – 6.0 |
| Pine, White | 4.5 – 6.0 |
| Pine, Yellow | 5.0 – 6.0 |
| Pine, Scotch | 5.0 – 6.5 |
| Spruce, Norway & White | 5.0 – 6.0 |
| Willow | 6.0 – 8.0 |

Truck Crops (Continued)

| | |
|---------------|-----------|
| Onions | 6.0 – 6.5 |
| Parsley | 5.5 – 6.0 |
| Parsnips | 5.5 – 6.7 |
| Peas, garden | 6.0 – 7.0 |
| Peppers | 5.5 – 6.5 |
| Potato, Irish | 5.0 – 5.4 |
| Potato, Sweet | 5.0 – 5.7 |
| Pumpkin | 5.5 – 6.5 |
| Radish | 5.5 – 6.5 |
| Rape | 6.0 – 7.5 |
| Salsify | 6.0 – 6.5 |
| Squash | 5.5 – 6.5 |
| Strawberries | 5.3 – 6.5 |
| Tomato | 5.5 – 6.7 |
| Turnip | 5.5 – 6.5 |
| Watermelons | 5.0 – 5.5 |