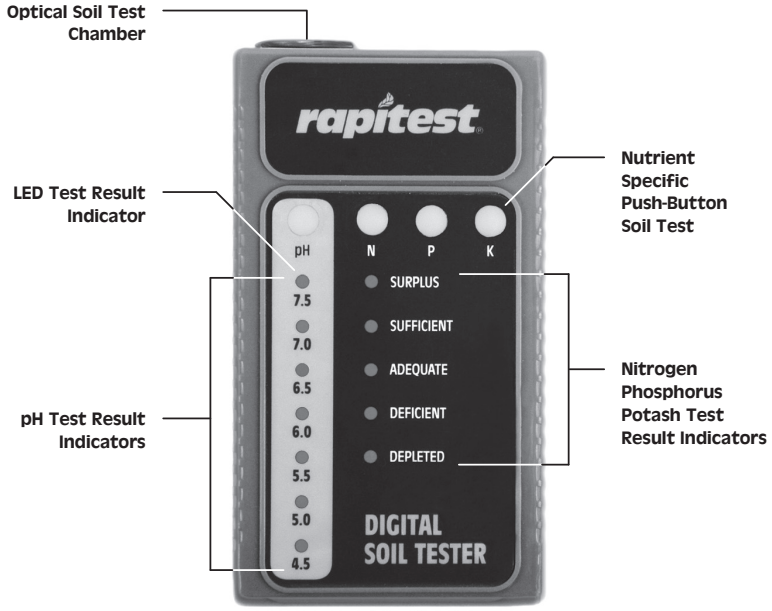
luster leaf®

No. 1605

rapitest® Digital SOIL TEST KIT

The Rapitest Digital Soil Test Kit
Takes the Guesswork Out of Gardening!



Using The Digital Soil Test Kit
This Rapitest Digital Soil Test Kit is designed to make soil testing easier than ever. At the heart of the system is the optical soil test chamber. The Optical Soil Test Chamber will recognize the color hue specific to your soil's pH and nutrient levels. The tests are performed in four color coded test tubes, one each for pH, Nitrogen, Phosphorus and Potash. The testing reagent capsules for each test are color-coded to match the tube caps. A dropper is provided to facilitate transferring the test solution into the test tubes. The kit also contains a convenient test tube holder, which will hold all four test tubes while the color is developing.

The Color Code

Green = pH
Determines the acidity / alkalinity of soil

Purple = Nitrogen
Determines the level of Nitrate (NO_3)

Blue = Phosphorus
Determines the level of Phosphoric Acid (P_2O_5)

Orange = Potash
Determines the level of Potassium Oxide (K_2O)

Preparing Your Soil Samples

For lawns, annuals or house plants, take the soil sample from about 2 - 3" below the soil's surface. For perennials especially shrubs, vegetables and fruit, the sample should be from 4" deep. Avoid touching the soil with your hands. Test different areas of your soil, as it may differ according to past cultivation, underlying soil differences or a localized condition. It is preferable to make individual tests on several samples from different areas than to mix the samples together. Place your soil sample into a clean container. Break the sample up with a trowel or spoon and allow it to dry out naturally. This is not essential, however it makes working with the sample easier. Remove any small stones, organic material such as grass, weeds or roots and hard particles of lime. Then crumble the sample finely and mix it thoroughly.

pH Test:

Step 1. Remove the cap from the green test tube.
Step 2. Fill the tube with soil to the first line.
Step 3. Carefully open a green capsule and pour powder into the tube.
Step 4. Using the dropper provided, add water (preferably distilled) to the fourth line.
Step 5. Fit the cap onto the tube, making sure it is seated properly and caps tightly. Shake thoroughly.
Step 6. Allow soil to settle and color to develop 2 minutes.
Step 7. Insert the tube into the Optical Soil Test Chamber.
Step 8. Push the pH test button.
Step 9. Note the reading determined by the Digital Soil Tester.

Nitrogen, Phosphorus & Potash Tests:

Step 1. Fill a clean container with 1 cup of prepared soil and 5 cups of water. (Larger or smaller quantities may be tested as long as the 1 part soil to 5 parts water proportions are maintained.) For best results use distilled water.
Step 2. Thoroughly shake or stir the soil and water together for at least one minute; then allow the mixture to stand undisturbed until it settles (30 minutes to 24 hours, dependent on soil). A fine clay soil will take much longer to settle out than a coarse sandy soil. The clarity of the solution will also vary, the clearer the better.
Step 3. Select the appropriate test tube for the test you wish to run. Remove the cap.
Step 4. Remove one of the appropriate colored capsules from its poly bag. Carefully open an appropriately colored capsule and pour the powder into the tube.
Step 5. Using the dropper provided, fill the test tube to the fourth line with liquid from your soil mixture. Avoid disturbing the sediment. Transfer only liquid.
Step 6. Fit the cap on the tube, making sure it is seated properly and caps tightly. Shake thoroughly.
Step 7. Allow color to develop for 10 minutes. (Do not allow the color to develop for longer than 10 minutes.)
Step 8. If flakes of blue color appear to have settled to the bottom of the test tube during the Phosphorus test, shake the tube to suspend them in the solution.
Step 9. Insert tube into the Optical Soil Test Chamber.
Step 10. Push the button for the appropriate test.
Step 11. Note the reading.
Step 12. Follow the same easy steps for each of the N, P & K tests.

Chart A. pH and Plant Nutrient Availability

Soil nutrients are most available to your lawn and garden soil when the soil's pH is within a certain range. For this reason, it's best to adjust your soil's pH before adding fertilizer. This chart depicts pH readings at which various plant foods are most available in the soil

	pH 4		pH 5		pH 6		pH 7		pH 8	
Nitrogen										
Phosphorous										
Potash										
Calcium										
Magnesium										
Iron										
Manganese										
Boron										

Determine Your Soil Type
Sandy Soils: A light, coarse soil comprised of crumbling and alluvial debris.
Loam Soils: A medium friable soil, consisting of a blend of coarse (sand) alluvium and fine (clay) particles mixed within fairly broad limits with a little lime and humus.
Clay Soils: A heavy, clinging, impermeable soil, comprised of very fine particles with little lime and humus and tending to be waterlogged in winter and very dry in summer.

To Raise or Lower pH of Your Soil
Raising and lowering pH is not an exact science & most plants have a reasonably wide tolerance, certainly to within 1 pH point. Consult the enclosed pH Preference List and you will see that the majority can manage well on a pH around 6.5 but some need an alkaline soil and some a particularly acid soil. Altering pH takes time so do not expect rapid changes; rather, work steadily towards giving a plant its ideal conditions.

Adjusting pH
pH can be adjusted to provide more suitable growing conditions for the different plants you wish to grow. Or, you can leave the pH of the soil as it is and select plants that like the level revealed by your test. Once you have your pH reading, check the enclosed pH Preference List for the pH levels of over 450 popular plants, trees, shrubs, vegetables and fruits.

If your pH reading differs significantly from the list's recommended levels, follow the instructions below for adjusting soil pH. You can correct pH at any time of the year but it is best to start in the Fall and check progress in the Spring. After working to adjust your soil, retest for pH level in 40-60 days. If results are still significantly off, re-treat your soil, not exceeding the recommended application levels. Allow one month to pass between adding lime and adding fertilizers. Refer to Chart B.

Chart B. Application of Lime, Chemical and Organics to Increase or Decrease pH

Amounts listed are pounds per 100 square feet. Do not add more than 5 lbs. of lime or sulfur in one application.

Material	ph Change	Sandy	Loamy	Clay
Dolomitic or	+ 0.5 unit (0.5 pH)	2.5	5	5.5
Calcic Limestone	+ 1.0 unit (1.0 pH)	5.0	8.5	11
Hydrated Lime	+ 0.5 unit (0.5 pH)	1.5 - 2.0	3-4	4.0 - 4.5
	+ 1.0 unit (1.0 pH)	3.5 - 4.0	6.0 - 6.5	8.0 - 8.5
Iron Sulfate	- 0.5 unit (0.5 pH)	0.75	1.5	2
	- 1.0 unit (1.0 pH)	1.5	3	4
Aluminum Sulfate	- 0.5 unit (0.5 pH)	0.5 - 0.75	1 - 1.25	1.5
	- 1.0 unit (1.0 pH)	1.0 - 1.25	2.25	3

Please note: To use Sphagnum Peat Moss to increase soil acidity, mix in up to one third total soil volume when planting acid loving plants.

Fertilizer Recommendations

Feeding Prior To Planting
Adequate reserves of plant food should be available in the soil before planting vegetables, preparing a seed or flower bed, sodding or seeding a lawn, or planting shrubs and trees. To make up any deficiencies, apply fertilizers from the following chart according to your soil test results. Refer to Chart C.

Chart C. Test Results

The amounts listed are in oz. / 100 sq. ft. (Ounces referred to are by weight, not volume.) If you wish to use other fertilizer, simply check the package for the percentage of nutrients for N, P, & K and adjust the application level accordingly.

	0 - Depleted	1- Deficient	2 - Adequate	3 & 4 - Surplus / Sufficient
Nitrogen Fertilizers (%N)				
Dried Blood (11%)	36	19	6	N/A
Nitrate of Soda (16%)	27	14	3	N/A
Phosphate Fertilizers (%P)				
Bone Meal (19%)	27	14	6	N/A
Triple Superphosphate (46%)	10.25	5.25-5.5	2.25	N/A
Potash Fertilizers (%K)				
Muriate of Potash (60%)	8.75-9	4.75-5	2.25-2.5	N/A

Special Recommendations For Lawns
For a new lawn, pay special attention to soil preparation before planting. Proper soil preparation for any size lawn will have a significant impact on the amount of water and care it demands in the future. Till the soil to a depth of at least 12" and incorporate plenty of organic material (9" or more). Test your soil for pH and adjust to the levels recommended on pH Preference List for your type of grass. Refer to the pH adjustment chart for recommended lime or sulfate applications.

For established lawns, Nitrogen is the most essential nutrient to promote lush growth and deep, green color. Phosphorus and Potash, in lesser quantities, are also important for strong root formation and growth. Compound fertilizers will supply all 3 nutrients, or you can select an individual fertilizer, such as Nitrate of Soda. The following chart gives recommended application levels specifically for lawns, based on your Nitrogen soil test results. Refer to Chart D.

Chart D. Fertilizer Type

Fertilizer Type	0 - Depleted	1 - Deficient	2 - Adequate	3 & 4 - Surplus / Sufficient
24 - 4 - 4	4.0 lbs.	2.0 lbs.	1.0 lb.	N/A
24 - 3 - 4	3.1 lbs.	1.55 lbs.	.77 lb.	N/A
30 - 4 - 4	3.0 lbs.	1.5 lbs.	.75 lb.	N/A

Please note: The amounts listed are pounds per 1000 sq. ft.

Feeding Established Plants And Beds
Already existing beds & borders should be fertilized based on the following chart. Refer to Chart E.

Cautions
Where a lot of fertilizer is needed to correct one plant food, divide the applications over several weeks. Do not add lime and fertilizer together; lime first. Allow at least one month to pass before applying fertilizer. Retest 30 days after applying fertilizer.

Safety & Hygiene
Dispose of test solutions by rinsing down the sink. Empty gelatin capsules should be disposed of immediately with household waste Wash the test tubes and caps in warm, soapy water immediately after each use. Make sure any sediment or color staining is removed. Rinse well and allow to air dry. Each bag of capsules should be stored inside the overbag in which they came. Place all components back into the package. The blister pack has been specially designed to be reused as a storage container. Store your kit in clean, dry conditions, indoors.

The reagent powders are safe in normal domestic terms but like all chemicals and pharmaceuticals, they should be put away and kept out of reach of children. Try to avoid touching the powders. Always wash your hands thoroughly after making your tests. Do not eat, drink or smoke while using the soil test kit. Keep powders away from food, drink and animal feed. If taken internally, drink copious amounts of water and seek medical advice.

Plant pH Reference List

Fruit	
Apple	5.0 - 6.5
Apricot	6.0 - 7.0
Avocado	6.0 - 7.5
Banana	5.0 - 7.0
Blackberry	5.0 - 6.0
Blueberry	4.0 - 6.0
Cantaloupe	6.5 - 7.5
Cherry	6.0 - 7.5
Cranberry	5.5 - 6.5
Current:	
Black	6.0 - 8.0
Red	5.5 - 7.0
White	6.0 - 8.0
Damson	6.0 - 7.5
Gooseberry	5.0 - 6.5
Grapevine	6.0 - 7.0
Grapefruit	6.0 - 7.5
Hazelnut	6.0 - 7.0
Hop	6.0 - 7.5
Huckleberry	4.0 - 6.0
Lemon	6.0 - 7.0
Lychee	6.0 - 7.0
Mango	5.0 - 6.0
Melon	5.5 - 6.5
Mulberry	6.0 - 7.5
Nectarine	6.0 - 7.5
Peach	6.0 - 7.5
Pear	6.0 - 7.5
Pineapple	5.0 - 6.0
Plum	6.0 - 7.5
Pomegranate	5.5 - 6.5
Quince	6.0 - 7.5
Raspberry	5.0 - 7.5
Rhubarb	5.5 - 7.0
Strawberry	5.0 - 7.5
Watermelon	5.5 - 6.5
Vegetables & Herbs	
Artichoke	6.5 - 7.5
Asparagus	6.0 - 8.0
Basil	5.5 - 6.5
Bean	6.0 - 7.5
(Runner, Broad, French)	
Beetroot	6.0 - 7.5
Broccoli	6.0 - 7.0
Brussels Sprouts	6.0 - 7.5
Cabbage	6.0 - 7.5
Calabrese	6.5 - 7.5
Carrot	5.5 - 7.0
Cauliflower	5.5 - 7.5
Celery	6.0 - 7.0
Chicory	5. 0 - 6.5
Chinese Cabbage	6.0 - 7.5
Chives	6.0 - 7.0
Corn - Sweet	5.5 - 7.0
Cress	6.0 - 7.0
Courgettes	5.5 - 7.0
Cucumber	5.5 - 7.5
Fennel	5.0 - 6.0
Garlic	5.5 - 7.5
Ginger	6.0 - 8.0
Horseradish	6.0 - 7.0
Kale	6.0 - 7.5
Kohlrabi	6.0 - 7.5
Leek	6.0 - 8.0
Lentil	5.5 - 7.0
Lettuce	6.0 - 7.0
Marjoram	6.0 - 8.0
Marrow	6.0 - 7.5
Millet	6.0 - 6.5
Mint	7.0 - 8.0
Mushroom	6.5 - 7.5
Mustard	6.0 - 7.5
Olive	5.5 - 6.5
Onion	6.0 - 7.0
Paprika	7.0 - 8.5
Parsley	5.0 - 7.0
Parsnip	5.5 - 7.5
Pea	6.0 - 7.5
Peanut	5.0 - 6.5
Pecan	4.0 - 6.0
Pepper	5.5 - 7.0
Peppermint	6.0 - 7.5
Pistachio	5.0 - 6.0
Potato	4.5 - 6.0
Potato - Sweet	5.5 - 6.0
Pumpkin	5.5 - 7.5
Radish	6.0 - 7.0
Rice	5.0 - 6.5
Rosemary	5.0 - 6.0
Sage	5.5 - 6.5
Shallot	5.5 - 7.0
Sorghum	5.5 - 7.5
Soybean	5.5 - 6.5
Spearmint	5.5 - 7.5
Spinach	6.0 - 7.5
Swede	5.0 - 7.0
Thyme	5.5 - 7.0
Tomato	5.5 - 7.5
Turnip	5.5 - 7.0
Water Cress	6.0 - 8.0
House & Greenhouse Plants	
Abutilon	5.5 - 6.5
Acorus	5.0 - 6.5
Aechmea	5.0 - 5.5
African Violet	6.0 - 7.0
Aglaonema	5.0 - 6.0
Amarylis	5.5 - 6.5
Anthurium	5.0 - 6.0
Aphelandra	5.0 - 6.0
Araucaria	5.0 - 6.0
Asparagus Fern	6.0 - 8.0
Aspidistra	4.0 - 5.5
Azaela	4.5 - 6.0
Baby's Breath	6.0 - 7.5
Baby's Tears	5.0 - 6.0
Begonia	5.5 - 7.0
Bird Of Paradise	6.0 - 6.5
Bishop's Cap	5.0 - 6.0
Black-eyed Susan	5.5 - 7.5
Blood Leaf	5.5 - 6.5
Bottlebrush	6.0 - 7.5
Bougainvillea	5.5 - 7.5
Boxwood	6.0 - 7.5
Bromeliads	5. 0 - 7.5
Butterfly Flower	6.0 - 7.5
Cacti	4.5 - 6.0
Calcaolaria	6.0 - 7.0
Caladium	5.0 - 6.0
Calla Lily	6.0 - 7.0
Camelia	4.5 - 5.5
Campanula	5.5 - 6.5
Capsicum	5.0 - 6.5
Cardinal Flower	5.0 - 6.0
Castor Oil Plant	5.5 - 6.5
Cantury Plant	5.0 - 6.5
Chinese Evergreen	5.0 - 6.0
Chinese Primrose	6.0 - 7.5
Christmas Cactus	5.0 - 6.5
Cineraria	5.5 - 7.0
Clerodendrum	5.0 - 6.0
Clivia	5.5 - 6.5
Cockscomb	6.0 - 7.0
Coffee Plant	5.0 - 6.0
Coleus	6.0 - 7.0
Columnea	4.5 - 5.5
Coral Berry	5.5 - 7.5
Crassula	5.0 - 6.0
Creeping Fig	5.0 - 6.0
Croton	5.0 - 6.0
Crown Of Thorns	6.0 - 7.5
Cuphea	6.0 - 7.5
Cyclamen	6.0 - 7.0
Cyperus	5.0 - 7.5
Dieffenbachia	5.0 - 6.0
Dipladenia	6.0 - 7.5
Dizgotheca	6.0 - 7.5
Dracaena	5.0 - 6.0
Easter Lily	6.0 - 7.0
Elephant's Ear	5.0 - 6.0
Episcia	6.0 - 7.0
Euonymous	6.0 - 8.0
Ferns:	
Bird's Nest	5.0 - 5.5
Boston	5.5 - 6.5
Button	6.0 - 8.0
Christmas	6.0 - 7.5
Cloak	6.0 - 7.5
Feather	5.5 - 6.5
Hart's Tongue	7.0 - 8.0
Holly	4.5 - 6.0
Maidenhair	6.0 - 8.0
Rabbits Foot	6.0 - 7.5
Spleenwort	6.0 - 7.5
Fig	5.0 - 6.0
Fittonia	5.5 - 6.5
Freesia	6.0 - 7.5
Gardenia	5.0 - 6.0
Genista	6.5 - 7.5
Geranium	6.0 - 8.0
Gloxinia	5.5 - 6.5
Grape Ivy	5.0 - 6.5
Grape Hyacinth	6.0 - 7.5
Grevillea	5.5 - 6.5
Gynura	5.5 - 6.5
Hedera (Ivy)	6.0 - 8.0

Chart E. Recommendations for N, P and K Results

0 - Depleted				1- Deficient				2 - Adequate				0 - Surplus / Sufficient	
	N	P	K		N	P	K		N	P	K		
Lawn	22.0 - 22.5	0.75 - 1.0	4.75 - 5.0	Lawn	14.0 - 14.5	1.0 - 1.5	2.25 - 2.5	Lawn	3.75 - 4.0	0	0	Lawn	N/A
Fruit	14.0 - 14.5	6.5	13.5 - 14.0	Fruit	7.75 - 8.0	4.0 - 4.25	8.75 - 9.0	Fruit	3.75 - 4.0	2.25	4.75 - 5.0	Fruit	N/A
Flower	14.0 - 14.25	6.5	13.5 - 14.0	Flower	7.75 - 8.0	4.0 - 4.25	8.75 - 9.0	Flower	3.75 - 4.0	2.25	4.75 - 5.0	Flower	N/A
Shrubs (Flowering)	14.0 - 14.25	8.25 - 8.5	13.5 - 14.0	Shrubs (Flowering)	7.75 - 8.0	4.0 - 4.25	8.75 - 9.0	Shrubs (Flowering)	3.75 - 4.0	1.0 - 1.25	4.75 - 5.0	Shrubs (Flowering)	N/A
Shrubs (Foilage)	22.0 - 22.5	10.5 - 10.75	8.75 - 9.0	Shrubs (Foilage)	14.0 - 14.5	5.25 - 5.5	4.75 - 5.0	Shrubs (Foilage)	3.75 - 4.0	2.25	2.25 - 2.5	Shrubs (Foilage)	N/A
Veggies (Root)	14.0 - 14.25	12.0 - 12.25	8.75 - 9.0	Veggies (Root)	14.0 - 14.5	5.25 - 5.5	4.75 - 5.0	Veggies (Root)	3.75 - 4.0	3.0	2.25 - 2.5	Veggies (Root)	N/A
Veggies (Leafy)	28.25 - 29.0	10.25	8.75 - 9.0	Veggies (Leafy)	14.0 - 14.5	5.25 - 5.5	4.75 - 5.0	Veggies (Leafy)	7.75 - 8.0	2.25	2.25 - 2.5	Veggies (Leafy)	N/A
Tree	14.0 - 14.5	10.25	8.75 - 9.0	Tree	7.75 - 8.0	5.25 - 5.5	4.75 - 5.0	Tree	3.75 - 4.0	2.25	2.25 - 2.5	Tree	N/A
General Feed	22.0 - 22.5	8.25 - 8.5	8.75 - 9.0	General Feed	10.5- 11.0	4.0 - 4.25	4.75 - 5.0	General Feed	3.75 - 4.0	1.0 - 1.25	2.25 - 2.5	General Feed	N/A

Please note: These recommendations are based on the following fertilizers sources: Nitrate of Soda (16% N), Triple Superphosphate (46% P_2O_5) and Muriate of Potash (60% K_2O). The amounts listed are in oz. / 100 sq. ft. (Ounces referred to are by weight, not volume.) If you wish to use other fertilizer, simply check the package for the percentage of nutrients for N, P, & K and adjust the application level accordingly.

Heliotropium	5.0 - 6.0
Hens And Chickens	6.0 - 7.0
Herringbone Plant	6.0 - 6.0
Hibiscus Plant	6.0 - 8.0
Hoya	5.0 - 6.5
Impatiens	5.5 - 6.5
Ivy Tree	6.0 - 7.0
Jacaranda	6.0 - 7.5
Japanese Sedge	6.0 - 8.0
Jasminum	5.5 - 7.0
Jerusalem Cherry	5.5 - 6.5
Jessamone	5.0 - 6.0
Kalanchoe	6.0 - 7.5
Kangaroo Thorn	6.0 - 8.0
Kangaroo Vine	5.0 - 6.5
Lantana	5.5 - 7.0
Laurus (Bay Tree)	5.0 - 6.0
Lemon Plant	6.0 - 7.5
Mimosa	5.0 - 7.0
Mind Your Own Business	5.0 - 5.5
Monstera	5.0 - 6.0
Myrtle	6.0 - 8.0
Never Never Plant	5.0 - 6.0
Nicodemia (Indoor Oak)	6.0 - 8.0
Norfolk Island Pine	5.0 - 6.0
Oleander	6.0 - 7.5
Oplismenus	5.0 - 6.0
Orchid	4.5 - 5.5
Oxalis	6.0 - 8.0
Palms	6.0 - 7.5
Pandanus	5.0 - 6.0
Peacock Plant	5.0 - 6.0
Pellionia	5.0 - 6.0
Peperomia	5.0 - 6.0
Philodendron	5.0 - 6.0
Pilea	6.0 - 8.0
Plumbago	5.5 - 6.5
Podacarpus	5.0 - 6.5
Pointsettia	6.0 - 7.5
Polyscias	6.0 - 7.5
Pothos	5.0 - 6.0
Prayer Plant	5.0 - 6.0
Punica	5.5 - 6.5
Sanserieria	4.5 - 7.0
Saxifraga	6.0 - 8.0
Scindapsus	5.0 - 6.0
Shrimp Plant	6.0 - 7.0
Spanish Bayonet	6.0 - 7.5
Spider Plant	6.0 - 7.5
Succulents	5.0 - 6.5
Synogonium	5.0 - 6.0
Tolmiea	5.0 - 6.0
Tradescantia	5.0 - 6.0
Umbrella Tree	5.0 - 7.5
Venus Flytrap	4.0 - 5.0
Weeping Fig	5.0 - 6.0
Yucca	6.0 - 7.5
Zebrina	5.0 - 6.0
Flowers, Trees & Shrubs	
Abelia	6.0 - 8.0
Acacia	6.0 - 8.0
Acanthus	6.0 - 7.0
Aconitum	5.0 - 6.0
Adonis	6.0 - 8.0
Ageratum	6.0 - 7.5
Ailanthus	6.0 - 7.5
Ajuga	4.0 - 6.0
Althea	6.0 - 7.5
Alyssum	6.0 - 7.5
Amaranthus	6.0 - 6.5
Anchusa	6.0 - 7.5
Androsace	5.0 - 6.0
Anemone	6.0 - 7.5
Anthyllis	5.0 - 6.0
Arbutus	4.0 - 6.0
Arenaria	6.0 - 8.0
Aristea	6.0 - 7.5
Armeria	6.0 - 7.5
Arnica	5.0 - 6.5
Asperula	6.0 - 8.0
Asphodoline	6.0 - 8.0
Aster	5.5 - 7.5
Aubrita	6.0 - 7.5
Azalea	4.5 - 6.0
Balloon Flower	6.0 - 6.5
Bayberry	4.0 - 6.0
Bergenia	6.0 - 7.5
Bleeding Heart	6.0 - 7.5
Bluebell	6.0 - 7.6
Broom	5.0 - 6.0
Buddleia	6.0 - 7.0
Buphthalum	6.0 - 8.0
Butterfly Bush	4.0 - 6.0
Calendula	5.5 - 7.0
Camassia	6.0 - 8.0
Candytuft	6.0 - 7.5
Canna	6.0 - 8.0
Canterbury Bells	7.0 - 7.5
Cardinal Flower	4.0 - 6.0
Carnation	6.0 - 7.5
Catalpa	6.0 - 8.0
Celosia	6.0 - 7.0
Centaurea	5.0 - 6.5
Cerastium	6.0 - 7.0
Chrysanthemum	6.0 - 7.0
Cissus	6.0 - 7.5
Cistus	6.0 - 7.5
Clarkia	6.0 - 6.5
Clianthus	6.0 - 7.5
Clematis	5.5 - 7.0
Colchicum	5.5 - 6.5
Columbine	6.0 - 7.0
Convolvulus	6.0 - 8.0
Coreopsis	5.0 - 6.0
Coronilla	6.5 - 7.5
Corydalis	6.0 - 8.0
Cosmos	5.0 - 8.0
Cottoneaster	6.0 - 8.0
Crab Apple	6.0 - 7.5
Crocus	6.0 - 8.0
Cynoglossum	6.0 - 7.5
Daffodil	6.0 - 6.5
Dahlia	6.0 - 7.5
Day Lily	6.0 - 8.0
Delphinium	6.0 - 7.5
Deutzia	6.0 - 7.5
Dianthus	6.0 - 7.5
Dogwood	5.0 - 7.0
Edelweiss	6.5 - 7.5
Elaeagnus	5.0 - 7.5
Enkianthus	5.0 - 6.0
Erica	4.5 - 6.0
Euphorbia	6.0 - 7.0
Everlastings	5.0 - 6.0
Firethorn	6.0 - 8.0
Forget-me-nots	6.0 - 7.0
Forsythia	6.0 - 8.0
Foxglove	6.0 - 7.5
Fritillaria	6.0 - 7.5
Fuchsia	5.5 - 7.5
Gaillardia	6.0 - 7.5
Gazania	5.5 - 7.0
Gentiana	5.0 - 7.5
Geum	6.0 - 7.5
Gladioili	6.0 - 7.0
Globularia	5.5 - 7.0
Godetia	6.0 - 7.5
Golden Rod	5.0 - 7.0
Gypsophilia	6.0 - 7.5
Hawthorn	6.0 - 7.0
Heather	4.0 - 6.0
Helianthus	5.0 - 7.0
Helleborus	6.0 - 7.5
Holly	5.0 - 6.5
Hollyhock	6.0 - 7.5
Honeysuckle	6.0 - 7.5
Hyacinth	6.5 - 7.5
Hydrangea - Blue	4.0 - 5.0
Hydrangea - Pink	6.0 - 7.0
Hydrangea - White	6.5 - 8.0
Hypericum	5.5 - 7.0
Iris	5.0 - 6.5
Ivy	6.0 - 7.5
Juniper	5.0 - 6.5
Kalmia	4.5 - 5.0
Kerria	6.0 - 7.0
Laurel	6.5 - 7.5
Lavender	6.5 - 7.5
Liatris	5.5 - 7.5
Ligustrum	5.0 - 7.5
Lilac	6.0 - 7.5
Lily Of The Valley	4.5 - 6.0
Lithospermum	5.0 - 6.5
Lobelia	6.5 - 7.5
Lupinus	5.5 - 7.0
Magnolia	5.0 - 6.0
Mahonia	6.0 - 7.0
Marigold	5.5 - 7.0
Molinia	4.0 - 5.0
Moraea	5.5 - 6.5
Morning Glory	6.0 - 7.5
Moss	6.0 - 8.0
Moss, Sphagnum	3.5 - 5.0
Myosotis	6.0 - 7.0
Narcissus	6.0 - 8.5
Nasturtium	5.5 - 7.5
Nicotiana	5.5 - 6.5
Pachysandra	5.0 - 8.0
Paeonia	6.0 - 7.5
Pansy	5.5 - 7.0
Passion Flower	6.0 - 8.0
Pasque Flower	5.0 - 6.0
Paulownia	6.0 - 8.0
Penstemon	5.5 0 7.0
Periwinkle	6.0 - 7.5
Petunia	6.0 - 7.5
Pinks	6.0 - 7.5
Polygonum	6.0 - 7.5
Polyanthus	6.0 - 7.5
Poppy	6.0 - 7.5
Portulaca	5.5 - 7.5
Primrose	5.5 - 6.5
Primula	6.0 - 7.5
Privet	5.0 - 7.5
Prunella	6.0 - 7.5
Prunus	6.5 - 7.5
Pyrethrum	6.0 - 7.5
Red Hot Poker	6.0 - 7.5
Rhododendren	4.5 - 6.0
Roses:	
Hybrid Tea	5.5 - 7.0
Climbing	6.0 - 7.0
Rambling	5.5 - 7.0
Salvia	6.0 - 7.5
Scabiosa	5.0 - 7.5
Sedum	6.0 - 7.5
Snapdragon	5.5 - 7.0
Snowdrop	6.0 - 8.0
Soapwort	6. 0 7.5
Speedwell	5.5 - 6.5
Spiraea	6.0 - 7.5
Spruce	4.0 - 5.0
Stock	6.0 - 7.5
Stonecrop	6.5 - 7.5
Sumack	5.0 - 6.5
Sunflower	5.0 - 7.0
Sweet Pea	6.0 - 7.5
Sweet William	6.0 - 7.5
Tamarix	6.5 - 8.0
Trillium	5.0 - 6.5
Tulip	6.0 - 7.0
Vibernum	5.0 - 7.5
Viola	5.5 - 6.5
Virginia Creeper	5.0 - 7.5
Wallflower	5.5 - 7.5
Water Lily	5.5 - 6.5
Weigelia	6.0 - 7.5
Wistaria	6.0 - 8.0
Zinnia	5.5 - 7.5
Turf & Ornamental Grasses	
Bahai	6.5 - 7.5
Bent	5.5 - 6.5
Bermuda	6.0 - 7.0
Canada Blue	4.5 - 6.4
Clover	6.0 - 7.0
Kentucky Blue	6.0 - 7.5
Meadow	6.0 - 7.5
Pampas	6.0 - 8.0
Red Top	6.0 - 6.5
Rye	6.0 - 7.0
St. Augustine	6.5 - 7.5
Tall Fescue	6.0 - 7.0
Velvet Bent	5.0 - 6.0

Limited Warranty

The tester is warranted free from defects for one year from date of purchase. During this period the unit may be returned to Luster Leaf Products, Inc. with proof of purchase and $5.00 to cover postage and handling. It will be repaired or replaced. During the initial 90 days of this warranty period the selling dealer is also authorized to replace.

This warranty does not cover abuse, accidental damage, repair by anyone other than Luster Leaf Products, Inc., or consequential loss or inconvenience resulting from use of the meter. This warranty gives you certain specific legal rights and you may also have other rights which vary from state to state.

Service

If adjustment or repair becomes necessary after the warranty expires, return the tester to Luster Leaf Products, Inc. with $10.00 to cover postage, handling and service. Service includes labor & parts as required, except for replacement of externally damaged or lost components. For service, or information regarding other Luster Leaf Products, Inc. items, please address:

Luster Leaf Products, Inc.
2220 Techcourt
Woodstock, Illinois 60098

Replacement Batteries

Three (3) #357 silver oxide, 1.55 volt.

This unit will operate for approximately 1,000 – 1,200 tests per battery set.

Engineered and designed in the US.
Assembled in the US of foreign and domestic parts.

luster leaf®

No. 1605

rapitest® Digital SOIL TEST KIT

Soil Test Kit Order Form

Thank you for choosing our rapitest brand of soil test kits. We appreciate your interest in our products and trust you will enjoy using them. Please use this order form for additional testing chemicals, equipment, or other products offered.

Quantity	Item #	Product Description	Price	Total
	16015	pH Capsules - Package Of 10	$2.19	
	16016	Nitrogen Capsules - Package Of 10	$2.19	
	16017	Phosphorus Capsules - Package Of 10	$2.19	
	16018	Potash Capsules - Package Of 10	$2.19	
	D1R13	Solution Transfer Dropper	$0.99	
			Sub-total	
			Shipping (See Chart At Left)	
			Total Enclosed	

SHIPPING CHARGES:
PER ORDER TOTAL:

UP TO $14.00	$5.95
$14.01 - $25.00	$7.00
$25.01 - $50.00	$9.00
$50.01 - $100.00	$11.00
$100.00 & Higher	$15.00

Name _____

Street Address _____

City _____ State _____ Zip _____

Please enclose a check or money order, payable to Luster Leaf Products, Inc. (U.S. funds only) and send to:

Luster Leaf Products, Inc.
2220 Techcourt
Woodstock, Illinois 60098

Phone: 800.327.4635 Fax: 815.337.5567
www.lusterleaf.com

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