Garden Guide Soil Test Kit PH N P K Code 5679-01/5934-01



Quantity	Contents	Code
120 mL/250 mL	pH Indicator	5701
120 mL/250 mL	*Nitrogen Extracting Solution	*5702
10 g/30 g	*Nitrogen Indicator Powder	*5703
120 mL/250 mL	Phosphorus Extracting Solution	5704
15 mL/15 mL	*Phosphorus Indicator Reagent	*5705
30/50	Phosphorus Test Tablets	5706A
120 mL/250 mL	Potassium Extracting	5707
30/50	Potassium Indicator Tablets	5708A
15 mL/2 x 15 mL	Potassium Test Solution	5709
7/10	Test Tubes, 1-8 mL, plastic w/ caps	0755
1/1	Brush, test tube	0514
3/3	Pipets, transfer, plastic	0364
1/1	Spoon, 0.25 g, plastic	0695
1/1	Spoon, 0.5 g, plastic	0698
1/1	Dispenser Cap	0692
1/1	Color Chart, Nitrogen	1371
1/1	Color Chart, Phosphorus	1372
1/1	Color Chart, Potassium, End Point	1352
1/1	Color Chart, pH, Wide Range	1353
1/1	Garden Guide Manual	36250
1/1	Study of Soil Science	1530
1/1	LaMotte Soil Handbook	1504

^{*}WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Safety

WARNING! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

Proper handling of chemical test equipment

This test equipment is designed to provide years of dependable service. Following these suggestions will help increase equipment performance:

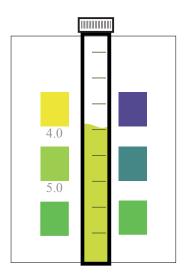
- 1. Carefully follow all instructions.
- 2. Do not handle tablets; dispense from cap to test tube.
- 3. Carefully wash and rinse all apparatus used.
- 4. Tighten reagent caps immediately after use. Do not interchange caps.
- 5. Avoid prolonged exposure to direct sunlight.
- 6. Avoid temperature extremes.
- 7. Anticipate your requirements for replacement reagents.
- 8. Keep all reagent containers out of reach of young children.
- 9. To order individual reagents or test kit components, use the specified code number.

Read the Garden Guide Manual

The accompanying Garden Guide Manual provides:

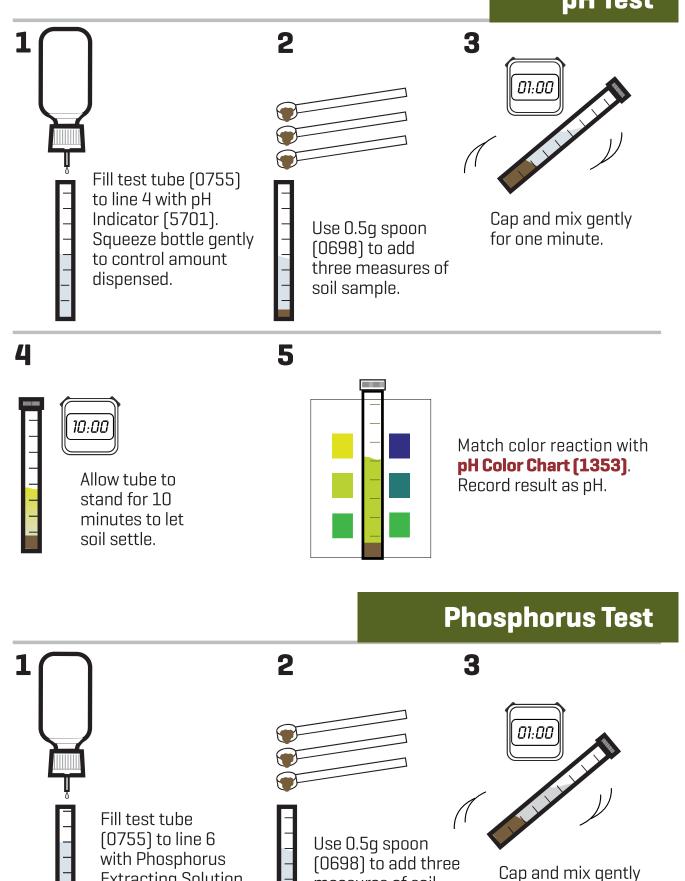
- 1. Instructions on the proper collection and preparation of soil samples.
- 2. Essential information for interpretation of test results.
- 3. Lime and fertilizer recommendations.
- 4. A soil test record form.

Reading the Color Charts



When matching a test color to a color chart, stand with the light source behind the observer and hold the test tube against the white area on the color chart. If the color of a test reaction falls between two standard colors on a color chart, the mid-point between the two standard values is taken as the test result. For example, a pH test color reaction falling between the standard colors for pH 4.0 and pH 5.0 represents a test result of pH 4.5. In the other tests color reactions may either match, fall between, or fall beyond the three standard colors representing "Low," Medium," and "High." Therefore seven different test results are possible: Very Low, Low, Medium Low, Medium, Medium High, High, and Very High.

1 lb/acre = 1.12 Kg/hectare



sample.

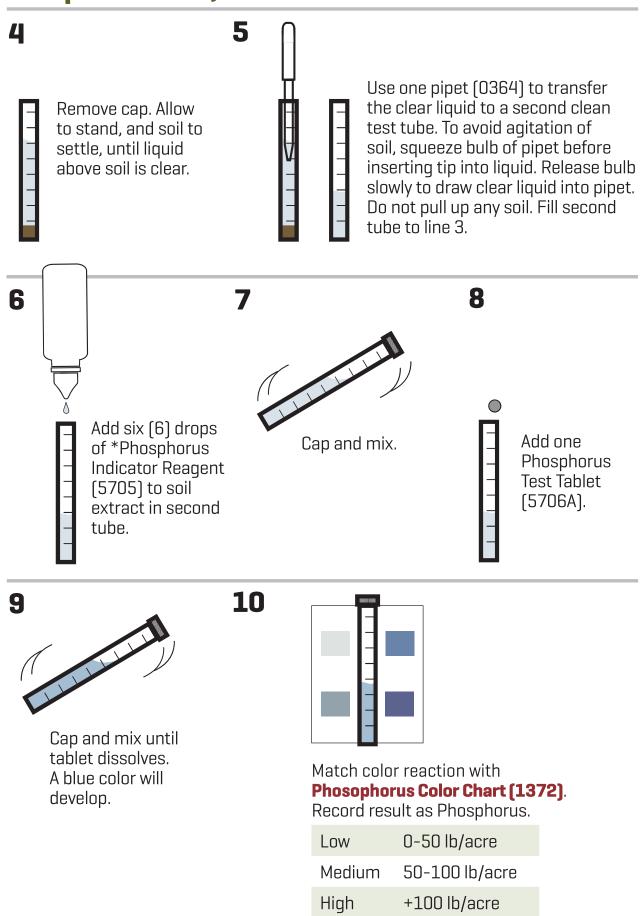
measures of soil

Extracting Solution

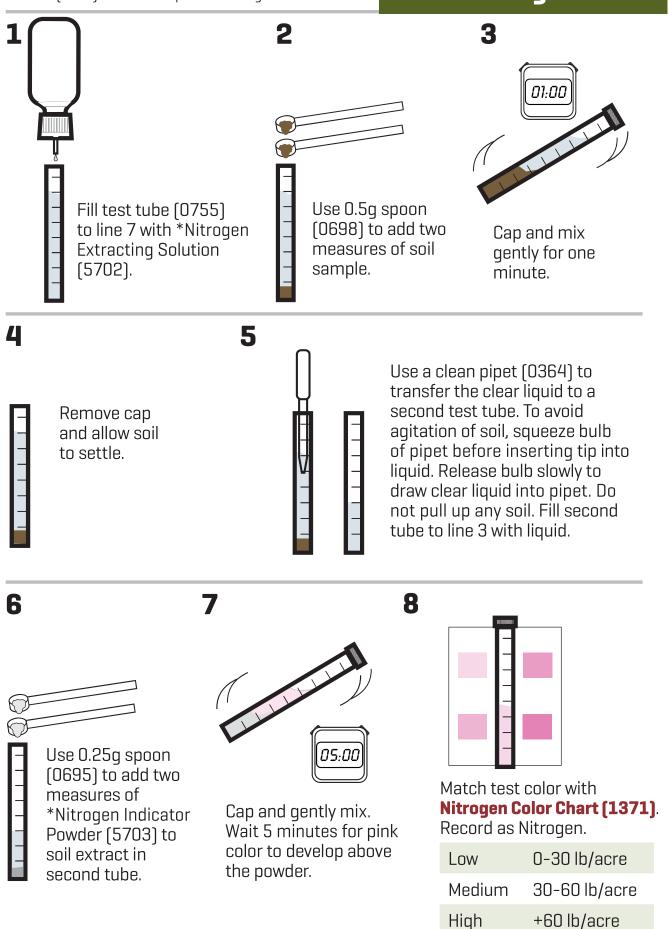
[5704].

for one minute.

Phosphorus Test, continued



Nitrogen Test



Potassium (Potash) Test 01:00 Use 0.5q spoon (0698) to Fill test tube (0755) to add four (4) Cap and shake line 7 with Potassium measures of vigorously for **Extracting Solution** soil sample to one minute. [5707] test tube. 4 5 Use a clean pipet (0364) to transfer the clear liquid to a second clean test tube. Be Remove cap careful not to pull up any soil and allow into pipet. Fill second tube to soil to settle. line 5 with liquid. NOTE: If additional extract is needed to fill the tube to line 5, repeat steps 1 through 4. 8 6 Add Potassium Test \bigcirc Solution (5709), two drops at a time, keeping count. Mix Add one Potassium Cap and mix until contents after each **Indicator Tablet** tablet dissolves. addition. Stop adding (5708A) to soil A purplish color drops when the color extract in second will appear. changes from purplish

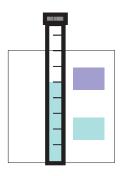
tube.

to blue.

Potassium (Potash) Test, continued

9

Use **Potassium End Point Color Chart (1352)** as a guide in reading this color change. Keep an accurate count of the number of drops added. Read test result from table.



Number of Drops Added	Potassium (Potash) Level	
0-8	Very High	
10	High	
12	Medium High	
14	Medium	
16	Medium Low	
18	Low	
20 or more	Very Low	
Low	0-120 lbs/Acre	
Medium	120-200 lbs/Acre	
High	+200 lbs/Acre	