



UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources
 UC Master Gardeners of Napa County

Healthy Garden Tips

napamg.ucanr.edu
 707-253-4221

COMMERCIAL LABORATORIES FOR HOME GARDENERS

A & L Western Agricultural Labs

1311 Woodland Avenue

Modesto, CA 95351

(209) 529-4080

Website: al-labs-west.com

Soil: *complete*

Water: *irrigation and domestic suitability, no recommendation on domestic; have range of accepted limits; analyze compost, fertilizer, plants*

Anresco, Inc.

1370 Van Dyke Avenue

San Francisco, CA 94124

(415) 822-1100

Website: anresco.com

Soil & Water: *pesticides and microbes; fruits and vegetables; tests many products also*

Brelje & Race Lab., Inc.

425 South E Street

Santa Rosa, CA 94504

(707) 544-8807

Water: *all; water ag suitability*

Caltest Analytical Lab

1885 North Kelly Road

Napa, CA 94558

(707) 258-4000

Website: caltestlabs.com

Water: *wastewater analysis; analysis results; no recommendations*

Harmony Farm Supply

P.O. Box 460

Graton, CA 95444

(707) 823-9125

Website: harmonyfarm.com

Soil, Water & Plant: *soil, plant & water amendment analysis; fertility evaluation & disease diagnosis; troubleshooting and recommendations*

This is a partial listing only, without comment about quality. No endorsement of labs is intended, nor is criticism implied of similar labs not mentioned.

Environmental Tech. Serv.

975 Transport Way

Petaluma, CA 94954

(707) 778-9605

Soil, Water & Plant: *pesticide residues, soil texture, irrigation suitability, domestic suitability, pH, Boron, nutrient levels, metals, environmentally related plant pathology; written recommendation, asbestos*

Perry Laboratory

424 Airport Boulevard

Watsonville, CA 95076

(831) 722-7606

E-mail: cliff@perrylaboratory.com

Soil, Water & Plant: *chemical (not bacteria) tests for water*

Plant Disease Diagnosis

780 Palmer Road

Walnut Creek, CA 94596

(925) 937-3841

E-mail: Luellen@pdd.biz

Plant: *plant pathology, written recommendations; site visits, disease and cultural problem evaluations*

Soil & Plant Laboratory

1101 S. Winchester Blvd., Suite G

San Jose, CA 95128

(408) 727-0330

Website: soilandplantlaboratory.com

Soil, Water & Plant: *soil, plant & water amendment analysis; fertility evaluation & disease diagnosis; troubleshooting and recommendations*

Testing Criteria

PLANT TESTING

1. Plant Complete

Results and recommendations for nitrate nitrogen, phosphorus, potassium, magnesium, calcium, sodium, iron, manganese, aluminum, boron, copper, sulfur and zinc levels.

2. Plant Nitrate

Recommended where nitrogen deficiency is suspected or is usually monitored.

3. Plant Sample

Recommended when any one nutrient other than nitrogen is suspected of being deficient. Any element listed in "Plant Complete", one element per each test.

SOIL TESTING

1. Basic Soil Test

If your plants are doing OK, this will tell you all you want to know. Includes pH, % organic matter, estimated nitrogen release, phosphorus, potassium, calcium, magnesium, cation exchange capacity, cation base saturations for calcium, magnesium, potassium, sodium and hydrogen. Not appropriate for compost, manure or potting soil mixes. We will also give you fertilizer recommendations based on the test results.

2. Complete Soil Test

If you have been experiencing problems with plant growth or yields, we recommend getting this test done. Includes the BASIC plus trace elements: sulfur, zinc, copper, boron, manganese, and iron. Not appropriate for compost, manure or potting soil mixes. Includes recommendations.

3. Compost/Manure Analysis

Results include moisture content, total nitrogen, phosphate (P2O5), and potash (K2O).

3.1 Compost/Manure Analysis Plus

All of the Compost Test above, plus sulfur, calcium, magnesium, sodium, iron, manganese, copper and zinc.

4. Greenhouse/Potting Soil Mix Test

Use for non-soil mixes or those with more than 10% organic matter content. Nitrate nitrogen, phosphorus, pH, potassium, calcium, magnesium, sodium and electrical conductivity.

4.1 Greenhouse/Potting Soil Mix Test Plus

Use for soils listed above. Same test plus: sulfur, zinc, manganese, iron, copper and boron.

5. Nematode Analysis

Complete plant parasitic assay. We will email you details on how to take the sample.

6. Phylloxera Analysis

Test for presence of these root destroying insects. Soil and root sample required. We will email you details on how to take the sample.

7. Texture Test

Gives % of sand, silt and clay.

WATER TESTING

1. Livestock Suitability

Levels of sodium, magnesium, calcium, chloride, electrical conductivity, total dissolved solids, sulfate, nitrate and pH and analyzed for suitability for watering livestock.

2. Irrigation Suitability

Levels of sodium, magnesium, calcium, chloride, electrical conductivity, sulfate, nitrate, pH, carbonate, bicarbonate, phosphorus, potassium, boron, total dissolved solids and SAR are analyzed for suitability for watering crops.

3. Domestic Suitability

Levels of purity (confirmed coliform), calcium, magnesium, pH, total hardness, electrical conductivity, total dissolved solids, and nitrate are analyzed for suitability for human drinking water.

3.1 Domestic Suitability Plus

All of the tests included in the Domestic test above, plus iron and manganese levels.