



UC
MASTER
GARDENERS
NAPA COUNTY

Healthy Garden Tips

Web site: <http://cenapa.ucdavis.edu>

Telephone: 707-253-4221

University of California Cooperative Extension – Napa County

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

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

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Inquiries may be directed to Linda Marie Manton, Affirmative Action Contact, University of California, Davis, Agriculture and Natural Resources, One Shields Avenue, Davis, CA 95616, (530) 752-0495.

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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.

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 (P205), and potash (K20).

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.