

MAINE SOIL TESTING SERVICE
THE UNIVERSITY OF MAINE
FIELD AND SOIL SAMPLE INFORMATION FORM

INSTRUCTIONS:

1. Before Sampling, Read Sampling Instructions on back of sheet 3.
2. **PLEASE CHOOSE STANDARD TEST OR COMPREHENSIVE TEST FOR EACH SAMPLE** (see price list for specifications).
3. Standard test is \$20 per sample. Comprehensive test is \$25 per sample. See price list on back page for additional tests and discounts.
4. **A SOIL BIOLOGY TEST** (see additional check off list) can be added to either Standard or Comprehensive Soil Test (see price list for specifications).
5. **A HIGH TUNNEL TEST** (see check off list) for \$25 or \$30 includes recommendations to support higher yields (see price list for specifications).
6. Select crop code(s) for recommendations from front of page 2. If no match is found, write in crop name.
7. Please completely fill this form (up to 10 samples) before using another form.
8. After completing this form **SEND TOP SHEET ONLY** with samples and payment to the laboratory.
Ship sample containers in cardboard box if possible. Attach check or money order to this form.
9. **PLEASE ALLOW 2-3 WEEKS FOR RETURN OF TEST RESULTS AND RECOMMENDATIONS.**

SEND SAMPLES TO

Maine Soil Testing Service
5722 Deering Hall
Orono, Maine 04469-5722



MAKE CHECK OR MONEY ORDER PAYABLE TO:

Maine Soil Testing Service

PLEASE DO NOT SEND CASH

AMOUNT ENCLOSED

\$ _____



EMAIL REPORT OPTION:

A paper copy will automatically be sent. If you would also like us to e-mail your report (PDF format), please clearly print your e-mail address

NAME _____ MAILING ADDRESS _____ CITY _____ STATE _____ ZIP _____

DAYTIME PHONE NUMBER _____ DATE SAMPLES TAKEN _____ COUNTY WHERE FIELD(S) ARE LOCATED _____

PLEASE SELECT: STD. TEST (S) OR COMP. TEST (C)	SAMPLE NAME	NO. ACRES OR SQ. FT. (PLEASE SPECIFY)	RECOMMENDATION CROP CODE(S) (FRONT SHEET 3)	FORAGE CROPS: LIST REALISTIC YIELD GOAL	WILL POTATOES BE GROWN HERE IN THE NEXT 3 YRS.?	SPECIAL pH MANAGEMENT LEVEL: (see back of sheet 3)		LIST PREVIOUS CROP. IF LEGUME, LIST PERCENT STAND	CHECK ALTERNATIVE OR ADDITIONAL TESTS REQUESTED (PRICES ON BACK OF SHEET 3)			
						NO	YES		2) Current pH (no lime)	3) 5.2 4) 5.5 5) 6.0 6) 6.5 7) 7.0	BASIC TUNNEL	LONG-TERM TUNNEL
S / C												
S / C												
S / C												
S / C												
S / C												
S / C												
S / C												
S / C												
S / C												
S / C												
S / C												

WRITE ANY COMMENTS, PROBLEMS, OR REQUESTS FOR ADDITIONAL ANALYSIS (NOT LISTED ABOVE) ON THE BACK OF THIS SHEET



IF YOU WOULD LIKE **ADDITIONAL SAMPLE BOXES OR FORMS**, PLEASE INDICATE HOW MANY OF EACH: _____

LOCATE CROP(S) BELOW FOR WHICH YOU WANT A RECOMMENDATION. WRITE CODE NUMBER(S) – “3 DIGITS” – IN COLUMN ON SHEET 1.

AGRONOMIC CROPS	
CODE NO.	
101 Alfalfa (Over 50% stand) – Established	
151 Alfalfa/Grass – new seeding	
102 Clover (Over 50% stand) – Established	
152 Clover/Grass – new seeding	
104 Grass hay or haylage – 1 crop – Established	
105 Grass hay or haylage – 2 crops – Established	
154 Grass only (no Legumes) – new seeding	
106 Pasture – Topdress	
170 Wildlife food plot or Conservation seeding	
125 Hops (commercial) – New or Established	
130 Industrial Hemp (Licensed Commercial)	
155 Oats only (without forage seeding) or oats underseeded with clover, plowed down next spring	
156 Barley only (without forage seeding)	
157 Spring Wheat only (without forage seeding)	
167 Winter Wheat only (without forage seeding)	
158 Winter Rye only (without forage seeding)	
159 Buckwheat	
160 Soybean/Lupin	
161 Sudangrass or Sorghum-Sudan hybrids	
163 Millet	
164 Corn silage	
166 Corn grain	
165 Sunflower	
177 Canola	

TURF	
CODE NO.	
201 Lawn, Playground – Existing	
202 Baseball field, Golf Fairway – Existing	
203 Football, Field Hockey, Soccer – Existing	
205 Golf green or tee – Existing	
211 All Turf – new seeding	

COMMERCIAL VEGETABLES (MORE THAN ONE ACRE)	
CODE NO.	
302 Bean – Dry or Snap	
304 Beets	
305 Broccoli or Cauliflower (transplants only)	
335 Broccoli (direct seeded only)	
336 Cauliflower (direct seeded only)	
306 Brussell Sprout, Cabbage	
308 Carrot, Parsnip	
310 All Vines – Cucumber, Gourd, Muskmelon, Pumpkin, Squash, Watermelon	
311 Niteshades – Eggplant, Pepper, Tomato	
313 Lettuce	324 Sweet Corn
315 Alliums	328 Roadside Stand (mix)
317 Pea	329 Asparagus (to be planted)
322 Spinach	330 Asparagus (established bed)
321 Radish, Rutabaga, Turnip	

NON-ORGANIC GARDENS <small>CHEMICAL FERTILIZER</small> (LESS THAN 1 ACRE)	
CODE NO.	
391 Home garden vegetables, strawberry, and raspberry	
393 Home tree fruit	

ORGANIC GARDENS <small>NON-CHEMICAL FERTILIZER</small> (COMMERCIAL & HOME)	
CODE NO.	

392 All vegetables, strawberry, raspberry, and flowers	
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COMMERCIAL FRUITS (MORE THAN ONE ACRE)	
CODE NO.	
400 Wild Lowbush Blueberry	
401 Apple (new plantings only)	
404 Raspberry / Grape – Established bed	
405 Raspberry / Grape – To be planted	
406 Strawberry – Established bed	
407 Strawberry – To be planted	
408 Stone fruit	
409 Highbush Blueberry – To be planted	
410 Highbush Blueberry – Established bed	
411 Cranberry – To be planted	
412 Cranberry – Established bog	

FORESTRY	
CODE NO.	
601 Forestry – General	
602 Forestry – Christmas Trees	
603 Forestry – Nursery	

COMMERCIAL POTATOES	
PROCESSING AND SEED POTATOES	
CODE NO.	
After heavy red clover or alfalfa green manure	
501 Early and low-nitrogen varieties	
504 Mid-season varieties (includes Shepody)	
502 Russet Burbank	
503 Late-season varieties	
After underseeded grains, non-legume green manures, broccoli, or old sod	
506 Early and low-nitrogen varieties	
509 Mid-season varieties (includes Shepody)	
507 Russet Burbank	
508 Late-season varieties	
After grains (no underseeding), or replanted potatoes	
511 Early and low-nitrogen varieties	
514 Mid-season varieties (includes Shepody)	
512 Russet Burbank	
513 Late-season varieties	
TABLE STOCK POTATOES	
CODE NO.	
After heavy red clover or alfalfa green manure	
516 Early and low-nitrogen varieties	
519 Mid-season varieties	
517 Russet Burbank, Russet Norkotah, Superior	
518 Late-season varieties	
After underseeded grains, non-legume green manures, broccoli, or old sod	
526 Early and low-nitrogen varieties	
520 Mid-season varieties	
527 Russet Burbank, Russet Norkotah, Superior	
528 Late-season varieties	
After grains (no underseeding), or replanted potatoes	
529 Early and low-nitrogen varieties	
521 Mid-season varieties	
530 Russet Burbank, Russet Norkotah, Superior	
531 Late-season varieties	
ORNAMENTALS (CHEMICAL FERTILIZER ONLY)	
CODE NO.	
701 Annuals: Flower beds, Cut Flowers	
702 Roses and other perennials	
703 Wildflowers	
704 Azalea, rhododendron, and other acid-loving plants	
705 Other shrubs	
706 Shade Trees (Maple, etc.)	
707 Evergreens (Pine, Spruce)	

INSTRUCTIONS ON HOW TO TAKE A SOIL SAMPLE:

Soil is quite variable over a surprisingly small area. The following steps will help you get a soil sample that truly represents the area you want tested.

1 FORMS & CONTAINERS

Obtain sample information forms and containers from your County Extension office. This form should be filled out as completely as possible.

Additional forms can be downloaded and printed from our website:

umaine.edu/soiltestinglab

Additional forms and containers can also be ordered on our website.

2 EQUIPMENT

A soil sample can be taken with a probe, spade, garden trowel, or soil auger.

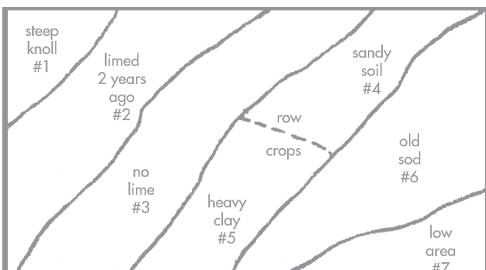
3 DEPTH

Areas to be planted to row crops or seeded down should be sampled to plow depth (or about 8 inches.) Areas in sod, such as lawns or hayfields, should be sampled to a 3-or 4-inch depth. Areas under tree crops should be sampled to a 12-inch depth.

4 AREAS OF SAMPLING

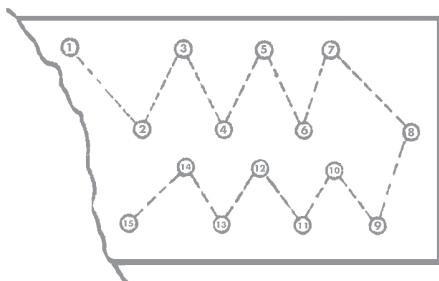
Low spots, trouble spots, and areas with obvious differences in soil type should be treated as separate sampling areas. Also, areas that have been treated differently in the past should be sampled separately. In areas where past treatments and soil types are uniform, limit the sampling area to 8 acres in size. Make a permanent field sampling map for your reference when test results are returned.

EXAMPLE 50 ACRE AREA



5 TAKE REPRESENTATIVE SAMPLE

Take soil from approximately 15 different spots in the sample area. Place this soil in a clean plastic bucket and mix thoroughly.



6 HOW MUCH IS NEEDED?

Fill a pint container from this bucket of well-mixed soil. Maine Soil Testing Service sample boxes are preferred. Your local Cooperative Extension office has soil sample boxes. Boxes can also be sent upon request.

7 LABEL THE CONTAINERS

The container from each sample area should be identified on the side with the identification of the sample area and your last name. DO NOT put identification on top, because covers are thrown away. Be sure identifying names agree with your map of sample areas, so when test results are returned there will be no question of where the samples were taken. Be sure the names on containers agree with the names on the information forms.

For a full listing of all available analytical services prices and discounts, consult our online price list at umaine.edu/soiltestinglab or contact the nearest office of Cooperative Extension or call 207.581.2945 or 207.581.2917.

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pH MANAGEMENT LEVELS

The typical pH management levels that are assumed to be optimum for field crops and for gardens and grounds in Maine are as follows:

grass hay, pasture, cons. seeding - 6.0
all other general agronomic crops - 6.5
commercial potatoes & potato rotation crops - 6.0
commercial beans and sweet corn - 6.0
all other commercial vegetables - 6.5
home gardens and organic crops - 6.5
blueberries, other acid-loving plants - below 5.2
all other commercial fruit - 6.0
all turf - 6.0
all forestry - 6.0
shrubs & deciduous shade trees - 6.0
evergreen shade trees - 5.5
all other ornamentals - 6.5

These are the "default" pH management levels. If for some reason you wish to manage your pH at some other level, please choose one of the alternative pH levels listed on page 1.

AVAILABLE ANALYTICAL SERVICES	FEE * (PER SAMPLE)
STANDARD TEST: soil pH; Organic matter; P, K, Mg, Ca, S, B, Cu, Fe, Mn, Zn; Na (on request); Screen for elevated Cd, Cr, Ni, Pb. Lime and fertilizer recommendations.	\$20.00
COMPREHENSIVE TEST: Standard soil test (above) plus available nitrogen (nitrate plus ammonium). This test is most appropriate for samples taken during the growing season, from late May to early September.	\$25.00
WINTER DISCOUNT PERIOD: For soil samples received at the lab between January 1 and March 1 for a Standard Test. Sample your soil prior to freeze-up, air dry, send in after January 1.	\$15.00
VOLUME DISCOUNT: 30 or more samples in 1 delivery for a Standard Soil Test. Samples must be shipped or delivered in MSTS sample boxes.	\$15.00
SOIL BIOLOGY/SOIL HEALTH: Measures the microbial activity and Biological Health of your soil. Includes guidelines for organic matter management.	\$12.00
Added on to a Standard or Comprehensive Test	
Extra charge for soluble salts.	\$7.00
PARTICLE SIZE ANALYSIS: measured sand, silt, clay content and texture classification.	\$24.00
BASIC HIGH TUNNEL PACKAGE (for covered, in-ground plant production): Standard test; soluble salts; nitrate. Recommendations to support higher yields. Please specify on top sheet.	\$25.00
LONG-TERM/COMBINED HIGH TUNNEL PACKAGE (for older, unflushed or heavily amended houses): Basic High Tunnel Test PLUS Saturated Media Extract for all major and micronutrients. Two-page report with both season-long nutrient availability and short-term nutrient intensity. Please specify on top sheet.	\$30.00
LEAD SCAN ONLY: Screening for above - normal lead content. Includes measured total lead content of contaminated soil, with suggested guidelines.	\$12.00

* PRICES SUBJECT TO CHANGE