



Extension Soil & Plant Nutrient Testing Laboratory

Paige Laboratory, Room 120
161 Holdsworth Way
Amherst, MA 01003

soiltest@umass.edu
soiltest.umass.edu

USE THIS FORM FOR ROUTINE SOIL ANALYSIS – FORAGE AND GRAIN CROPS

Visit our website to download a copy of [Sampling Instructions for Routine Soil Analysis](#), which includes a description of routine and optional soil tests offered. Send your sample(s), completed submission form and payment to the address listed above. If you hand-deliver your sample, samples cannot be dropped off inside the lab; a gray drop box is mounted on the building exterior. **Please make checks payable to "UMass".**

Main Contact		Send Copy to		Method of Receiving Results	
Name:		Name:		US Mail (Please include \$2 per order for postage & handling)	Email
Business Name:		Business Name:			
Street Address:		Street Address:			
City, State, Zip		City, State, Zip:			
Phone:		Phone:			
Email Address:		Email Address:			

LAB # (Leave blank)	Sample ID (You create this)	Approx. area Represented by Sample (Sq. ft. or Acres)	Crop Code, limit of 3 (See reverse side of this form)	Expected Yield (See crop code list for relevant values)	Routine Analysis (\$20.00)	Organic Matter (\$6.00)	Soluble Salts (\$6.00)	Nitrate (\$8.00)

Order Total \$ _____.

Office Use Only	
Received	Due
Check#	PO#
Cash	Date

The required sample size is 1 cup, US Standard Volume.

Samples are hand-sorted and sieved. Please remove nails, glass, and other dangerous debris.

Crop Codes for Forage and Grain

An adjustment to nutrient recommendations (e.g., N and K₂O) for several forage and grain crops is based on expected yield, which accounts for difference in nutrient demand and crop removal. Listed below is the expected yield range and default values for these crops. Please provide information about your expected yield when appropriate to improve your recommendations. *Recommendations given per acre.*

Description	Expected yield range	Default	Crop Code
Corn for Silage.....	15-30 tons/acre.....	25 tons/acre.....	3A
Corn for Grain.....	100-225 bu/acre	150 bu/acre.....	3B
Soybeans.....			3F
Dry Beans, Peas, Buckwheat.....			3E
Sorghum-sudan, Sudangrass, Sunflower.....			3C
Oats, Barley, Rye, Wheat, Triticale, Millet.....	45-90 bu/acre.....	60 bu/acre.....	3D
<u>Hay Crops</u>			
Grass/Alfalfa mix; 20-60% legume-Establishment.....			1AE
Grass/Alfalfa mix; 20-60% legume-Maintenance.....	2-6 tons/acre.....	4 tons/acre.....	1AM
Grass/Alfalfa mix; 60-100% legume-Establishment.....			1BE
Grass/Alfalfa mix; 60-100% legume-Maintenance.....	2-6 tons/acre.....	4 tons/acre.....	1BM
Grass/Clover or Trefoil; 20-60% legume-Establishment.....			1CE
Grass/Clover or Trefoil; 20-60% legume-Maintenance.....	2-6 tons/acre.....	4 tons/acre.....	1CM
Grass/Clover or Trefoil; 60-100% legume-Establishment.....			1DE
Grass/Clover or Trefoil; 60-100% legume-Maintenance.....	2-6 tons/acre.....	4 tons/acre.....	1DM
Orchard, Reed Canary, Tall Fescue, Ryegrass-Establishment.....			1EE
Orchard, Reed Canary, Tall Fescue, Rye grasses-Maintenance.....	2-6 tons/acre.....	4 tons/acre.....	1EM
Timothy & mixtures-Establishment.....			1FE
Timothy & mixtures-Maintenance.....	2-6 tons/acre.....	4 tons/acre.....	1FM
Grass Pasture-Establishment.....			2AE
Grass Pasture-Maintenance.....			2AM
Grass Pasture-Intensively Managed.....			2AMI
Horse Pasture-Establishment.....			2BE
Horse Pasture-Maintenance.....			2BM
Conservation Planting-Warm Season Grasses-Establishment.....			4AE
Conservation Planting-Warm Season Grasses-Maintenance.....			4AM
Conservation Planting-Wildlife Food Plot-Establishment.....			4BE
Conservation Planting-Wildlife Food Plot-Maintenance.....			4BM
Data only, including micronutrients.....			Y1