



Colorado State University

Department of Soil and Crop Sciences

Soil, Water, and Plant Testing Laboratory

1120 Campus Delivery

Fort Collins, CO 80523

Email: soiltestinglab@colostate.edu

Horticulture Soil Sample Submittal Form

Report and Billing To					Sample Information				
Name:					Sampling Date:				
Address:					Mailing Date:				
City:		State:		Zip:	Sample Received Date:				
Email:					County:				
Tel:					Location GPS:				
Lab Number (Lab Use Only)	Sample ID	Sample Depth (inches)	Horticulture Crop						Test Code
			Lawn/Turf	Vegetable Garden	Flower Beds	Orchard	Trees	Other	
Need fertilizer recommendations			Yes	No					
Test Codes					Comments				
S1 Complete: pH, soluble salts (EC), organic matter (OM), lime, cation exchange capacity (CEC), % base saturation, nitrate-nitrogen (NO ₃ -N), phosphorus (P), potassium (K), calcium (Ca), magnesium (Mg), sodium (Na), sulfate -sulfur (SO ₄ -S), zinc (Zn), iron (Fe), manganese (Mn), copper (Cu), and boron (B)									
S2 Basic: pH, EC, OM, NO ₃ -N, P, K and SO ₄ -S									
S3 Soil Salinity: pH, EC, bicarbonate, carbonate, K, Ca, Mg, Na, S, chloride (Cl), CEC, and sodium absorption ratio (SAR)									
S4: Nitrate-nitrogen (NO ₃ -N)									
S5 Subsoil: NO ₃ -N (nitrate-nitrogen) and SO ₄ -S (sulfate -sulfur)									
S6: Boron (B)									
S7: Chloride (Cl)									
S8 Heavy Metals: Arsenic (As), cadmium (Cd), chromium (Cr), lead (Pb), molybdenum (Mo), and selenium (Se)									
S9: Individual Heavy Metal									
S10 Texture: Hydrometer method									