

METHODS USED AT WESTERN LABORATORIES FOR PLANTS

Parameter	Units	Method-Number	Methods
Nitrates – NO ₃	ppm	P-3.10	2% Acetic Acid – *FIA
Total Nitrogen	%	P-2.20	Elementar Total Combustion
Dry Matter	%	P-1.10	Muffle Furnace
Total Carbon	%	522	Elementar Total Combustion
Phosphorus	%	P-4.20	Nitric Acid Digestion
Potassium	%	P-4.20	Nitric Acid Digestion
Calcium	%	P-4.20	Nitric Acid Digestion
Magnesium	%	P-4.20	Nitric Acid Digestion
Sodium	%	P-4.20	Nitric Acid Digestion
Zinc	ppm	P-4.20	Nitric Acid Digestion
Iron	ppm	P-4.20	Nitric Acid Digestion
Manganese	ppm	P-4.20	Nitric Acid Digestion
Copper	ppm	P-4.20	Nitric Acid Digestion
Sulfur	%	P-4.20	Nitric Acid Digestion
Boron	ppm	P-4.20	Nitric Acid Digestion
Chlorides	ppm	P-3.10	2% Acetic Acid - *FIA

*FIA - Flow Injection Analysis **ICP – Inductive Coupled Plasma ***DTPA – Diethylenetriaminepentaacetic acid

**Western States Agricultural Laboratory Exchange Program: Suggested Soil and Plant Analytical Methods.
Miller, R. O. and Amacher, J. 1994 version 1.00**