



Dirty Business Soil Consulting & Analysis

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Soil Analytical Methods	Extraction & Preparation	Method	Reference
pH	DI Sat Paste	Saturation Paste Soil pH	WREP S-1.0 WREP S-1.10
Buffer pH for Native Soil		Sikora Buffer for Lime Requirement	by Frank Sikora
EC	DI Sat Paste	Saturation Paste Soluble Salts EC	WREP S-1.0 WREP S-1.20
Organic Matter %		Loss on Ignition	WREP S-9.20
Water Soluble Nitrate	DI Sat Paste	Chromotropic	WREP S-1.0 WREP S-3.30
Water Soluble Phosphate	DI Sat Paste	Ascorbic Acid	WREP S-1.0 WREP S-4.10
Water Soluble Boron	DI Sat Paste	Azo-H	WREP S-1.0 WREP S-1.50
Water Soluble Ca, Mg, Na, K	DI Sat Paste	Atomic Absorption	WREP S-1.0 WREP S-1.60
Zn, Mn, Fe, Cu for Native Soil	DTPA-TEA	Atomic Absorption	Warncke WREP S-6.10
Zn, Mn, Fe, Cu for Potting Soil	DTPA	Atomic Absorption	Warncke in NCR WREP S-6.10
Chloride	DI Sat Paste	Titration	WREP S-1.0 Chloridometer
Total Plant Available Nitrate	Calcium Sulfate	Chromotropic	WREP S-3.30
Total Plant Available Phosphate	Sodium Bicarbonate	Ascorbic Acid	WREP S-4.10
Total Plant Available Ca, Mg, Na, K	Amminium Acetate	Atomic Absorption	WREP S-5.10
CCE		Alkaline-Earth Carbonates by Gravimetric Loss of Carbon Dioxide	UC Davis Method 440
Water Holding Capacity for Native Soil			WREP S 1.00

***Applicable methods calibrated with the Agricultural Laboratory Proficiency Program Triannually (Spring, Summer, Fall)