



Innovative Soil Testing since 1975

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International Soil Test Competition
Holland 1980

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SOIL HEALTH TOOL RESULTS

For:

Woods End Laboratory
attn: Christopher Brinton
Castile-Leon, Spain

Lab ID: 8776.0 Acct No: 100

Sample: Soil: N-120, 30km West of H. de Orbigo Spain

Sample Received: 9/29/13

Report Date: 12/8/13

QAQC: wfb, tt (USDA-APHIS Lic.)

Tested Factors	UNITS	Level Found	Rating
Nitrate-N	NO ₃ -N lb/a	1.0	VL
Ammonium-N	NH ₄ -N lb/a	7.5	L
WEOC	C-ppm	262	M
WEON	N-ppm	4.6	VL
SLAN Amino-N	N-ppm	45	L
Phosphate (P ⁻)	P lb/a	19	VL
Potassium	K+ lb/a	254	MH
Calcium	Ca++ lb/a	414	VL
Iron	Fe++ ppm	707	H
Aluminum	Al 3+ ppm	127	L

Test Interpretations	Rating
Soil Health Tool Rating	3.3 VL
Organic C:N Ratio	56.8 VH
Solvita CO ₂ -Burst ppm	15.4 VL
Microbially Active Carbon	6% VL
Aggregate Stability	1% VL

Availability Factors

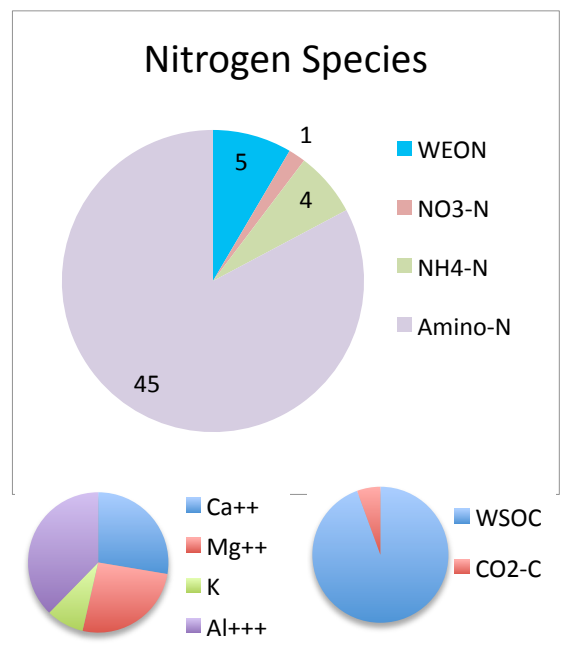
Nitrogen (min est)	lb/a	0	VL
Nitrogen (max est)	lb/a	13	VL
Phosphorus P ₂ O ₅	lb/a	43	see above
Potassium K ₂ O	lb/a	305	above

Indicator Factors

P-Saturation	P/(Al + Fe)	1.1	VL
Fe+Al (acidity indicator)		834	MH

Optional Tests

Soil Organic Matter*	LOI %	1.2
pH in Water	units	6.70
Magnesium	lb/a	233
Basal CO ₂ -C	ppm	
Est. CEC**	cmol/kg	3.74



R = Ranking or rating

L=Low, M= Moderate MH= Medium High H High VH very high EH= Extreme high

All nutrients in Soil Health Tool Extract (H3A), *OM by LOI @360°C

**Est. CEC Al+Ca+Mg+K

Test Methods: Soil Test Procedures for the NorthEastern US * Bulletin #493, Univ of Delaware and Soil Health Tool, USDA-ARS Temple TX and VT Aluminum Index