



**SOIL
TESTING . . .**

The Key To



**Beautiful, Healthy
Lawns, Landscapes,
Gardens & Crops**



PROFESSIONAL'S NAME

CUSTOMER'S NAME

Your company name and contact information

Customer's Contact Information Here

Sample Number HET - 8110
 Collection Date 2010-08-25
 Process Date 2010-09-16
 Report Date 2010-09-16
 Date of Last Liming _____
 Soil Type Clay Loam

Tree(s) Species Maple (Acer) Watering Method None
 Canopy Diameter 25 ft. DBH _____ inches Tree(s) Life Stage Established (2-20 yrs.)
 Sample Notes: _____

LABORATORY ANALYSIS and RECOMMENDATIONS

[Results reported as Parts Per Million (ppm)]

TEST	RE-SULTS	OPTIMUM RANGE	RATING	RECOMMENDATIONS
1. pH Adjustment	4.1	5.7 - 7.0	Extremely Low	Apply 13.8 lbs./100 sq.ft. of Agricultural Limestone [Pelletized form recommended] [Make 3 applications of 4.6 lbs./100 sq.ft. 4-6 months apart]
2. Calcium (Ca)	95	444 - 550	Extremely Low	Apply 24 lbs./ 100 sq.ft. of gypsum in (4) 6 lb. applications 4-6 months apart
3. Core Depth	8 "	12+ "	Low	Add 1 qt of Bio-Aer/100 gals of mix when feeding with Bio-Tree & Shrub or 1 gal/100 gals if used alone or with other fertilizers. If available, similar product can be substituted.
4. Humus Content	5%	10+%	Very Low	Apply 2.5 lbs/100 sq.ft. of Bio-Soil Boost or similar organic material
5. Thatch Layer	N/A	N/A	N/A	No recommendation offered at this time
6. Soluble Salts	107	177 - 426	Very Low	ASAP apply Bio-Tree & Shrub diluted 1:40 at 5 gals. diluted mix /1" DBH every other year. Re-test in 4 years. May substitute similar product if available.
7. Nitrates (NO ₃)	8	10 - 20	Low	Refer to Item #6
8. Ammonium (NH ₄)	2	5 - 15	Very Low	Refer to Item #6
9. Phosphate (HPO ₄)	6	2 - 5	High	No action required
10. Potassium (K)	14	5 - 25	Normal	Continue regular program with high quality, complete & balanced fertilizer
11. Magnesium (Mg)	22	10 - 30	Normal	No action required
12. Iron (Fe)	0.2	.5 - 5	Very Low	Apply 2.0 ozs. of Bio-Green in 5 gals. of water/ inch of DBH or similar organic-based micro nutrient product if available
13. Manganese (Mn)	0.3	.5 - 5	Low	Refer to Item #12
14. Boron (B)	0.02	0.06 - .5	Very Low	Refer to Item #12
15. Copper (Cu)	0.03	0.06 - .5	Very Low	Refer to Item #12
16. Zinc (Zn)	0.12	0.3 - 3.0	Very Low	Refer to Item #12
17. Sulfates (SO ₄)	40	40 - 150	Normal	No action required
18. Chlorides (Cl)	10	0 - 30	Normal	Avoid fertilizers containing chlorides

Special Instructions & Recommendations

Options: Consider "Target Zone Applications" to get materials into the tree faster.



PROFESSIONAL'S NAME

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Sample Number PSA-8294
 Collection Date 2011-03-31
 Process Date 2011-04-07
 Report Date 2011-04-09
 Date of Last Liming _____
 Soil Type Loam

Main Root Development 4 inches Regular Cutting Height 2.5 inches
 Main Type Grasses Bluegrass, Fescue, Rye Watering Method Auto Sprinkler
 Size of Lawn Area 5,000 sq.ft. Lawn Life Stage Established
 Sample Notes: _____

LABORATORY ANALYSIS and RECOMMENDATIONS

[Results reported as Parts Per Million (ppm)]

TEST	RE-SULTS	OPTIMUM RANGE	RATING	RECOMMENDATIONS
1. pH Adjustment	5.7	6.2 - 6.8	Low	Apply 60 lbs./1000 sq.ft. of Dolomitic Limestone {Pelletized form recommended} [Make 2 applications of 30 lbs./1000 sq.ft. 4-6 months apart]
2. Calcium (Ca)	105	331 - 444	Extremely Low	Apply 225 lbs./ 1000 sq.ft. of gypsum in (4) 56 lb. applications 4-6 months apart
3. Core Depth	6.0 "	12+"	Very Low	Apply 4 oz./1000 sq.ft. of Bio-Aer or similar Organic Soil Conditioner at 6-8 week intervals throughout the growing season until Optimum Range reached.
4. Humus Content	7 %	10+%	Low	Apply 12.5 lbs/1000 sq.ft. of Bio- Soil Boost or similar organic material.
5. Thatch Layer	0.5"	0 - .125"	Very High	Make 2 application of Compost Tea or Bio-Krobe in May/June
6. Soluble Salts	14	177 - 426	Extremely Low	ASAP Start/Continue nutrition program with a high quality, complete & balanced fertilizer with low salt and chloride content
7. Nitrates (NO ₃)	2	10 - 20	Extremely Low	Refer to Item#6
8. Ammonium (NH ₄)	2	5 - 15	Very Low	Refer to Item#6
9. Phosphate (HPO ₄)	3	2 - 5	Normal	No action required
10. Potassium (K)	2	5 - 25	Very Low	Follow Items #6-8 or Apply 40 lbs./1000 sq.ft of Greensand or 4 lbs./1000 sq.ft. of potassium sulfate
11. Magnesium (Mg)	11	10 - 30	Low Normal	If recommendations in Item #1 are being followed, no additional application required. If not, apply 4 ozs./1000 sq.ft. of Bio-Green in 4 gals. of water 1 time during season
12. Iron (Fe)	0.4	0.5 - 5	Low	Refer to Item #16
13. Manganese (Mn)	0.1	0.5 - 5	Very Low	Refer to Item #16
14. Boron (B)	0.03	0.06 - .5	Very Low	Refer to Item #16
15. Copper (Cu)	0.06	0.06 - .5	Low Normal	Refer to Item #16
16. Zinc (Zn)	0.04	0.3 - 3.0	Extremely Low	Apply 4 ozs./1000 sq.ft. of Bio-Green in 4 gals. of water 4 times during season or similar micro-nutrient material
17. Sulfates (SO ₄)	40	40 - 150	Normal	No action required
18. Chlorides (Cl)	10	0 - 30	Normal	Avoid fertilizers containing chlorides

Special Instructions & Recommendations

Do Not Collect regular (short) grass clippings as they add natural nitrogen & organic matter back into the soil.

What Difference Does 'Soil Type' Make . . . ?

Numbers Tell The Story!



Sample Number HET - 8110
 Collection Date 2010-08-25
 Process Date 2010-09-16
 Report Date 2010-09-16
 Date of Last Liming _____
 Soil Type Sandy Loam

PROFESSIONAL'S NAME _____
 CUSTOMER'S NAME _____
 Your company name and contact information _____
 Customer's Contact Information Here _____
 Tree(s) Species Maple (Acer) Watering Method None
 Canopy Diameter 25 ft. DBH _____ inches Tree(s) Life Stage Established (2-20 yrs.)
 Sample Notes: _____

LABORATORY ANALYSIS and RECOMMENDATIONS [Results reported as Parts Per Million (ppm)]				
TEST	RE-SULTS	OPTIMUM RANGE	RATING	RECOMMENDATIONS
1. pH Adjustment	4.1	5.7 - 7.0	Extremely Low	Apply 9 lbs./100 sq.ft. of Agricultural Limestone {Pelletized form recommended} [Make 2 applications of 4.5 lbs./100 sq.ft. 4-6 months apart]
2. Calcium (Ca)	95	137 - 218	Very Low	Apply 15 lbs./100 sq.ft. of gypsum in (3) 5 lb. applications 4-6 months apart

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 Soil Type Loam

LABORATORY ANALYSIS and RECOMMENDATIONS [Results reported as Parts Per Million (ppm)]				
TEST	RE-SULTS	OPTIMUM RANGE	RATING	RECOMMENDATIONS
1. pH Adjustment	4.1	5.7 - 7.0	Extremely Low	Apply 13.8 lbs./100 sq.ft. of Agricultural Limestone {Pelletized form recommended} [Make 3 applications of 4.6 lbs./100 sq.ft. 4-6 months apart]
2. Calcium (Ca)	95	331 - 444	Extremely Low	Apply 22.5 lbs./100 sq.ft. of gypsum in (4) 5.6 lb. applications 4-6 months apart

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LABORATORY ANALYSIS and RECOMMENDATIONS [Results reported as Parts Per Million (ppm)]				
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1. pH Adjustment	4.1	5.7 - 7.0	Extremely Low	Apply 13.8 lbs./100 sq.ft. of Agricultural Limestone {Pelletized form recommended} [Make 3 applications of 4.6 lbs./100 sq.ft. 4-6 months apart]
2. Calcium (Ca)	95	444 - 550	Extremely Low	Apply 24 lbs./100 sq.ft. of gypsum in (4) 6 lb. applications 4-6 months apart