

MASON FARM

VIRGINIA POLLUTION ABATEMENT APPLICATION

FORM D

MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 6-19-08 between John Mason referred to here as "landowner", and _____, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as _____ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number John Mason which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

- 1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner: John Mason
434 276 1618 434-665-8838

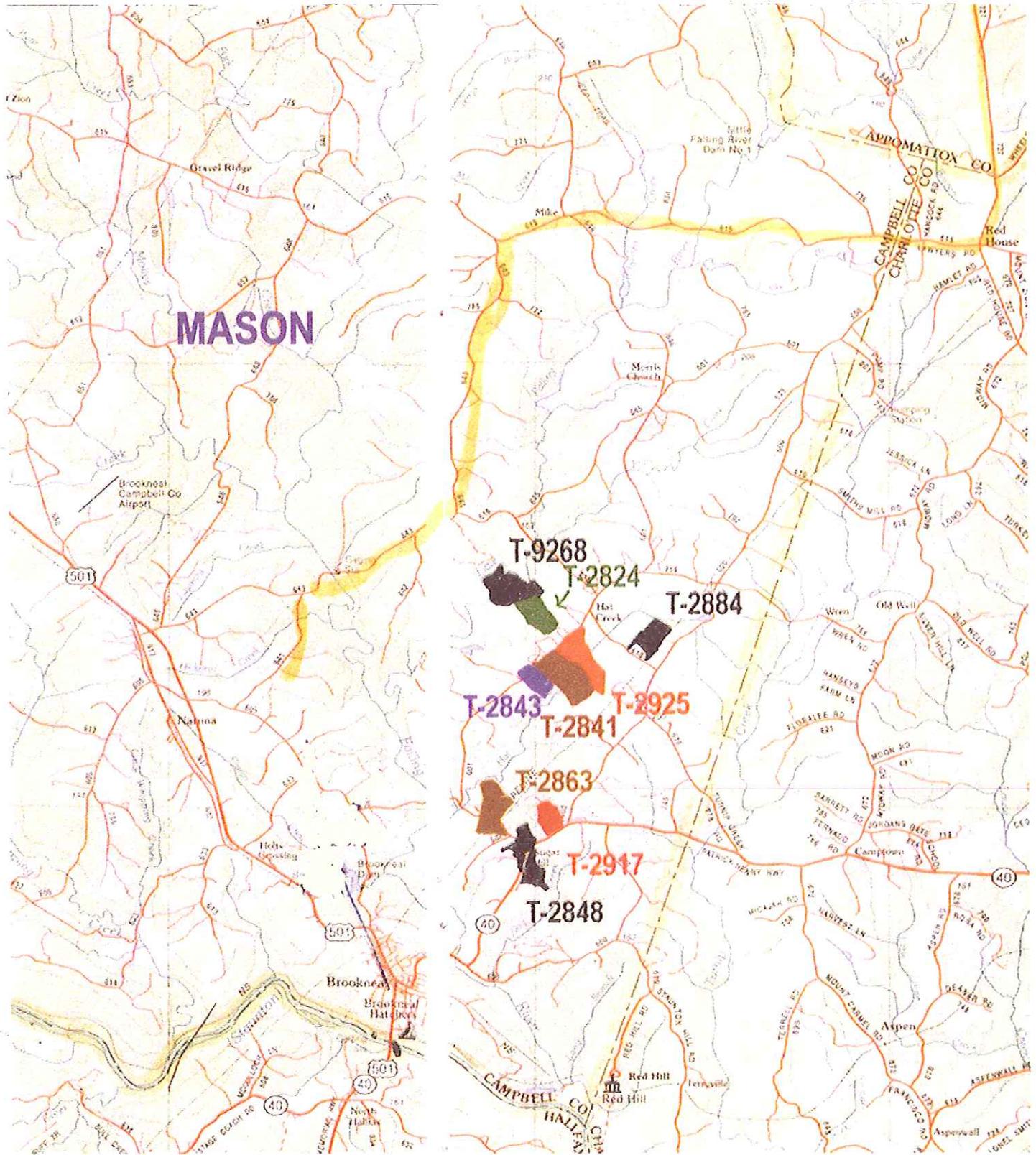
Mailing Address: 6536 HAT Creek Road
Brookneal VA 24528

Permittee: _____

Mailing Address: _____

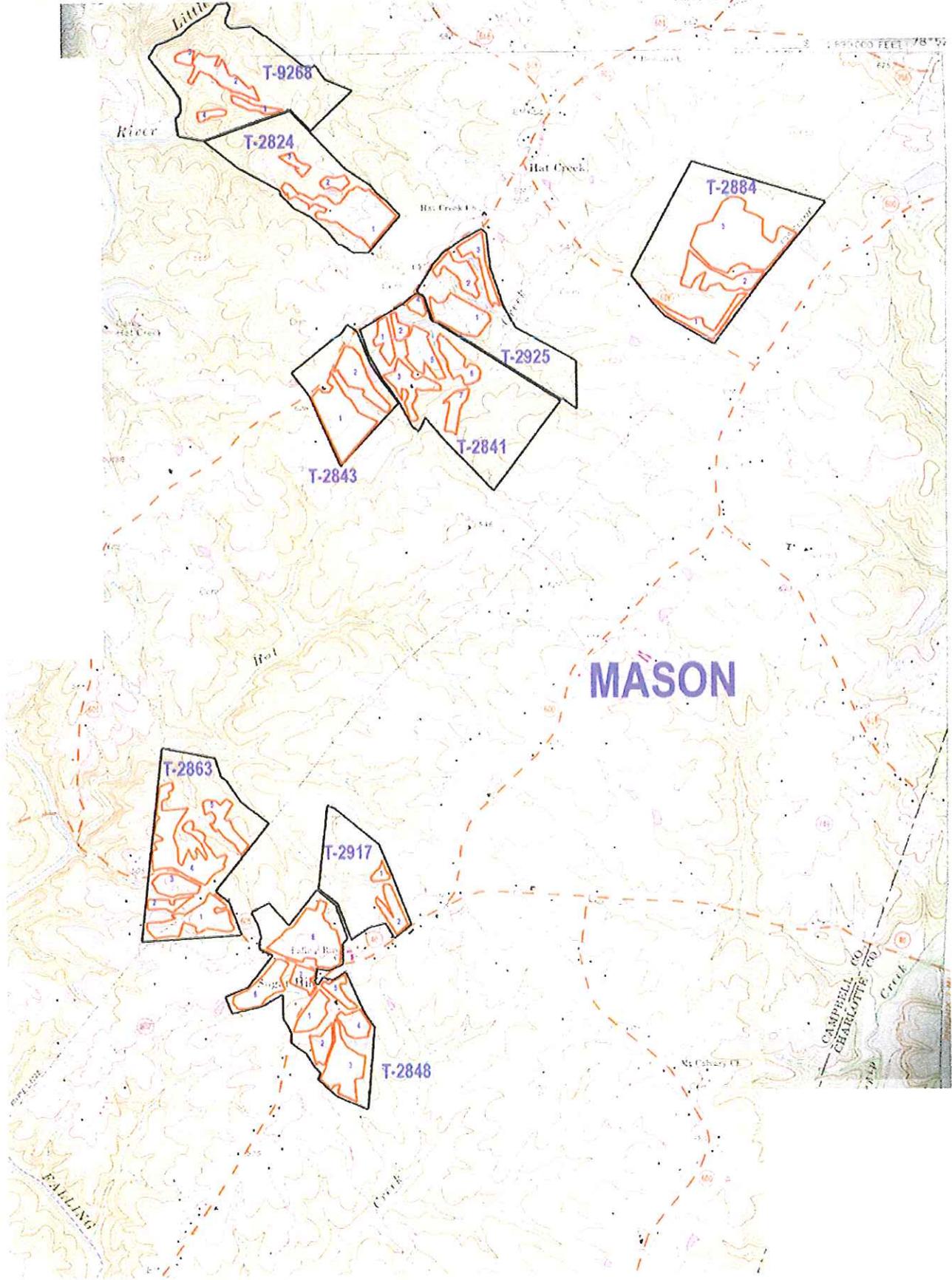
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BIOSOLIDS LAND APPLICATION



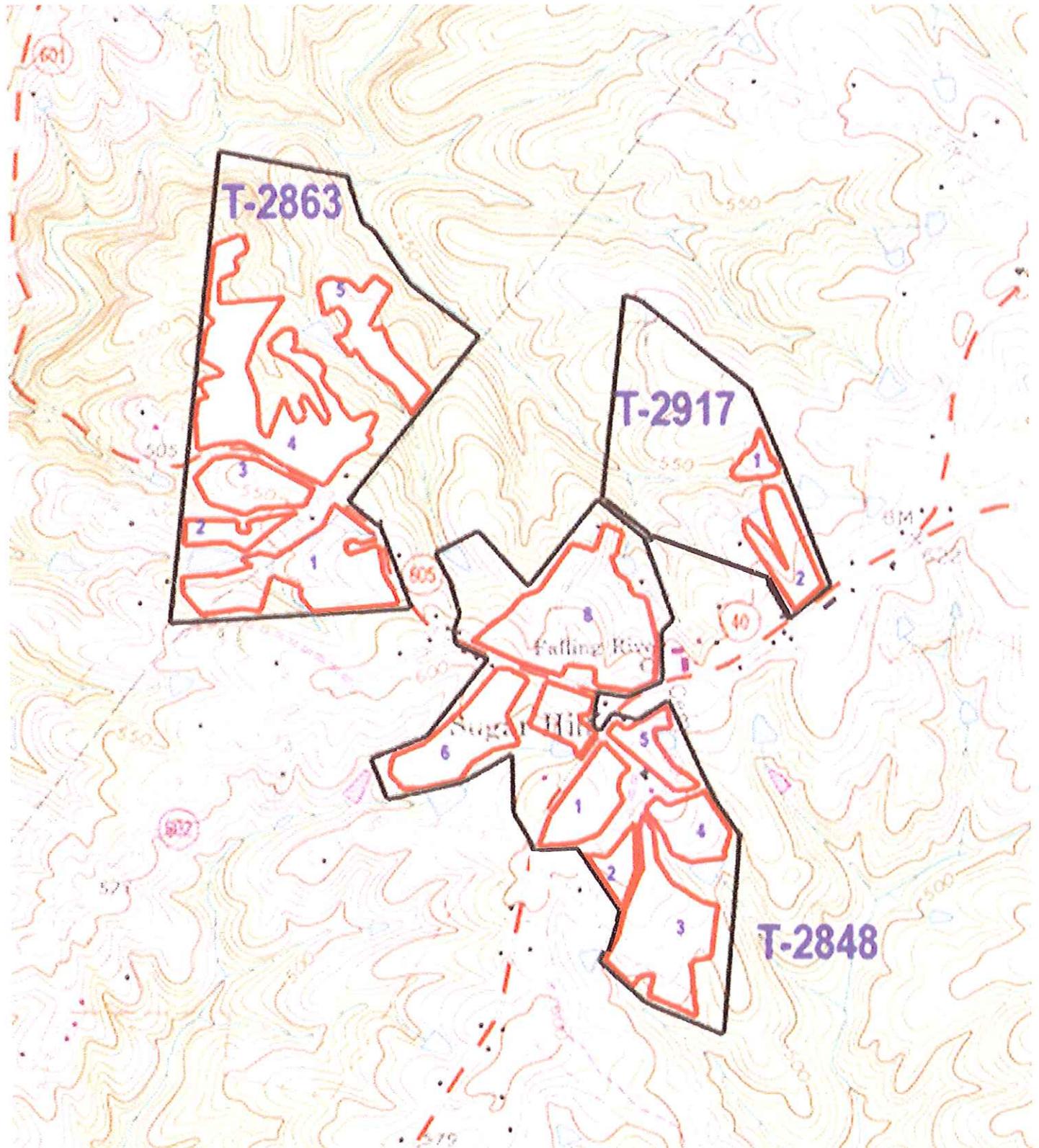
Nutri Blend

BIOSOLIDS LAND APPLICATION



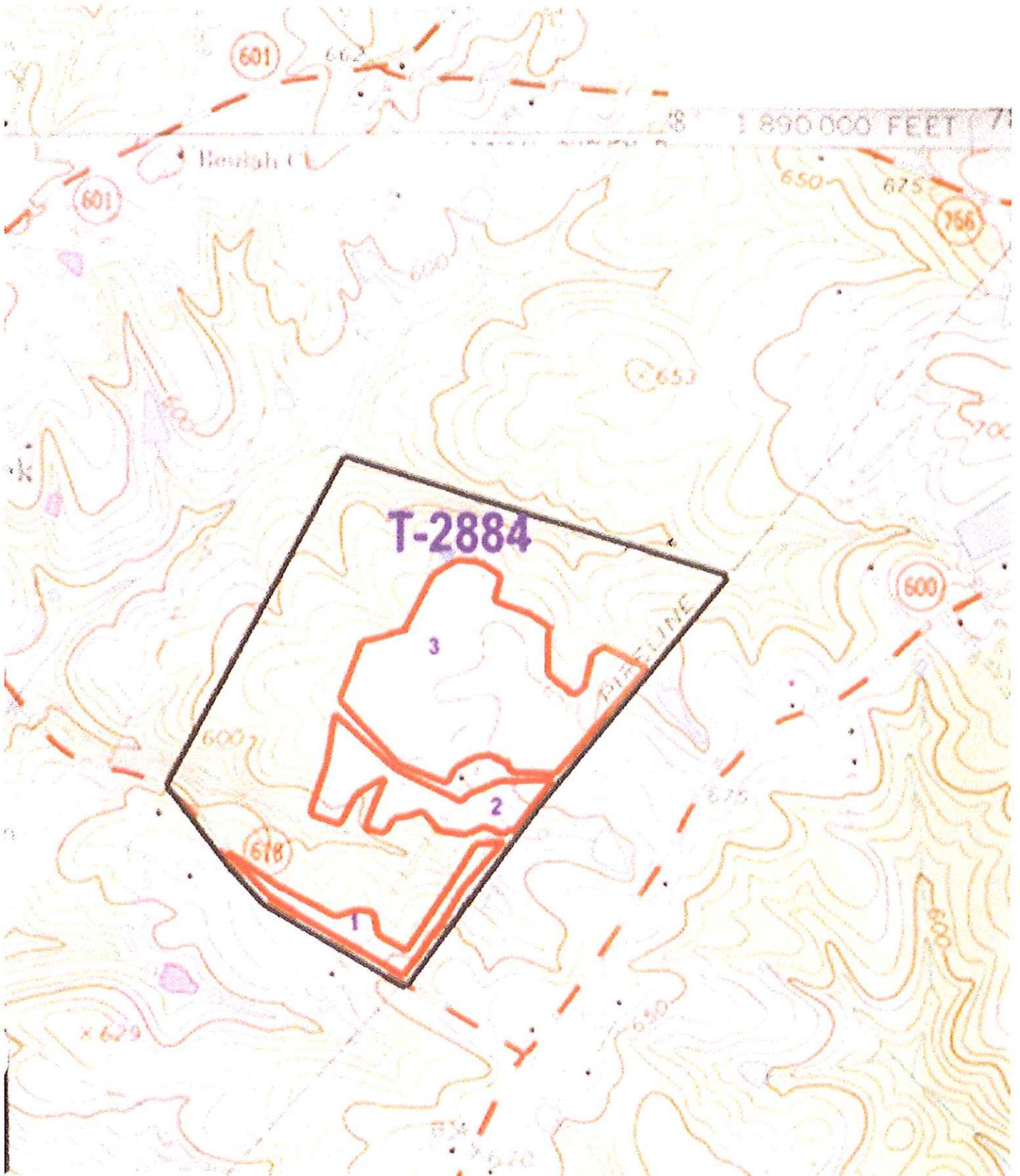
NutriBlend

BIOSOLIDS LAND APPLICATION



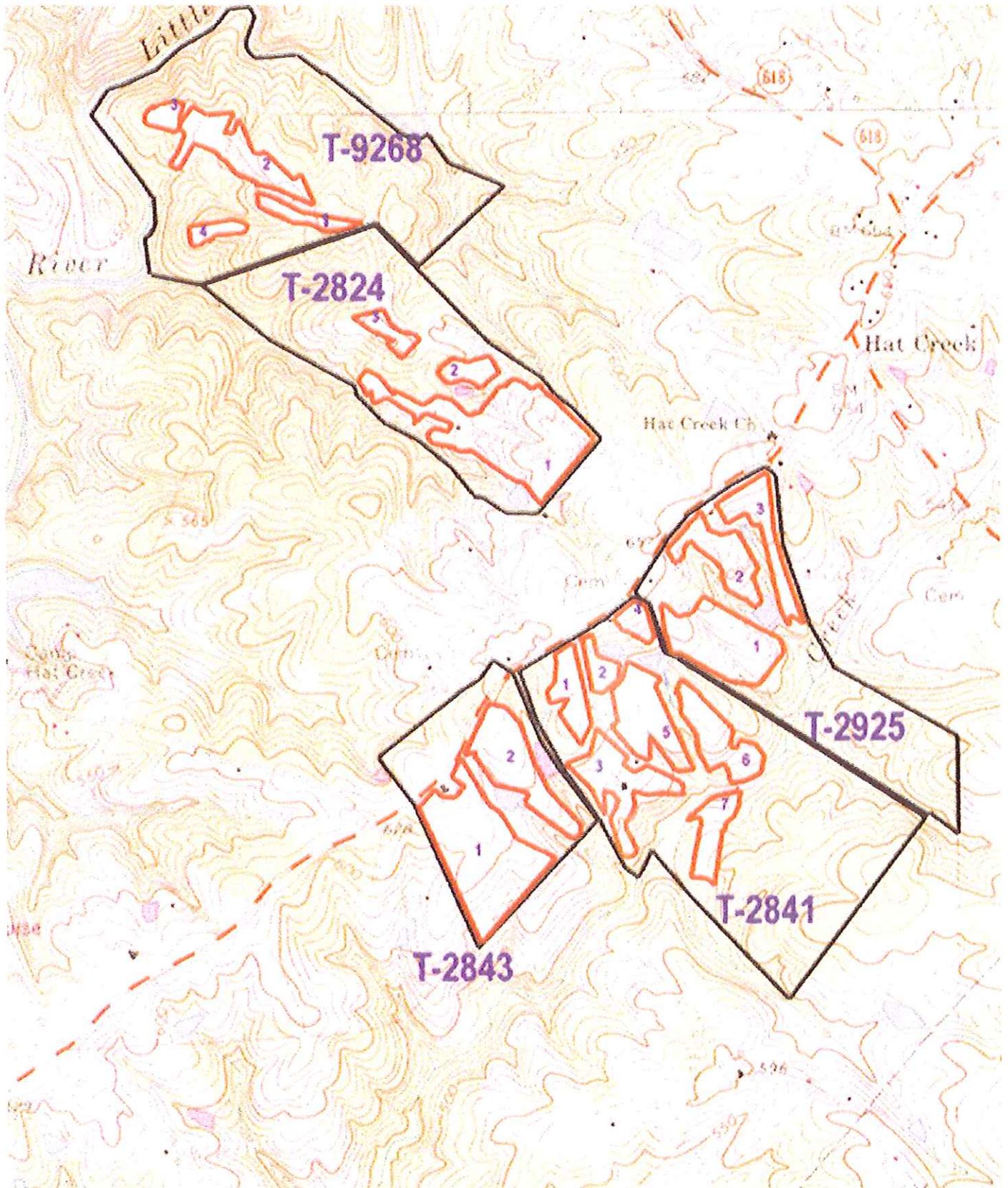
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BIOSOLIDS LAND APPLICATION



NutriBlend

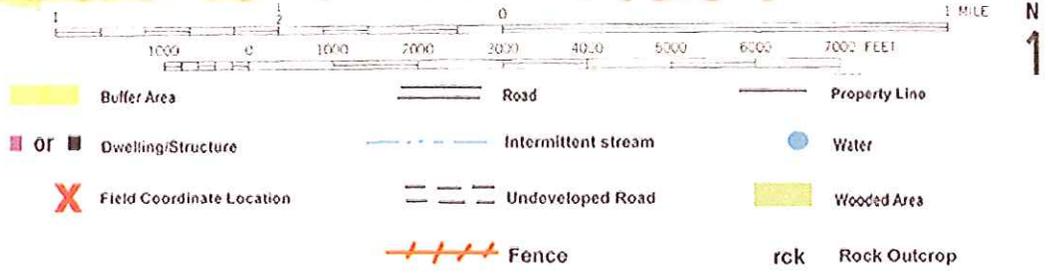
BIOSOLIDS LAND APPLICATION



MASON FARM
T-2863, T-2917, T-2848

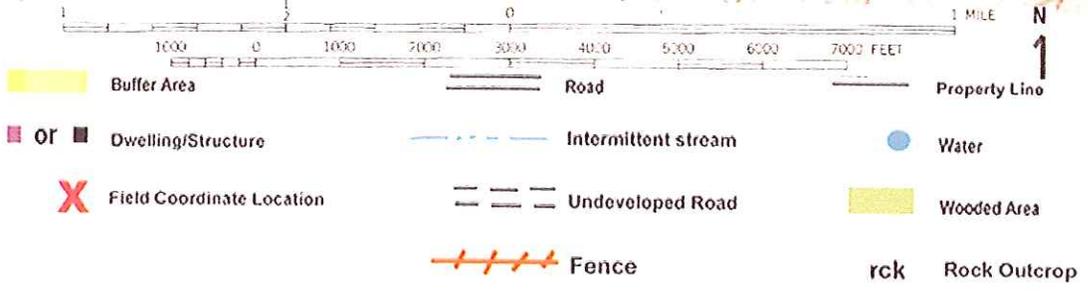
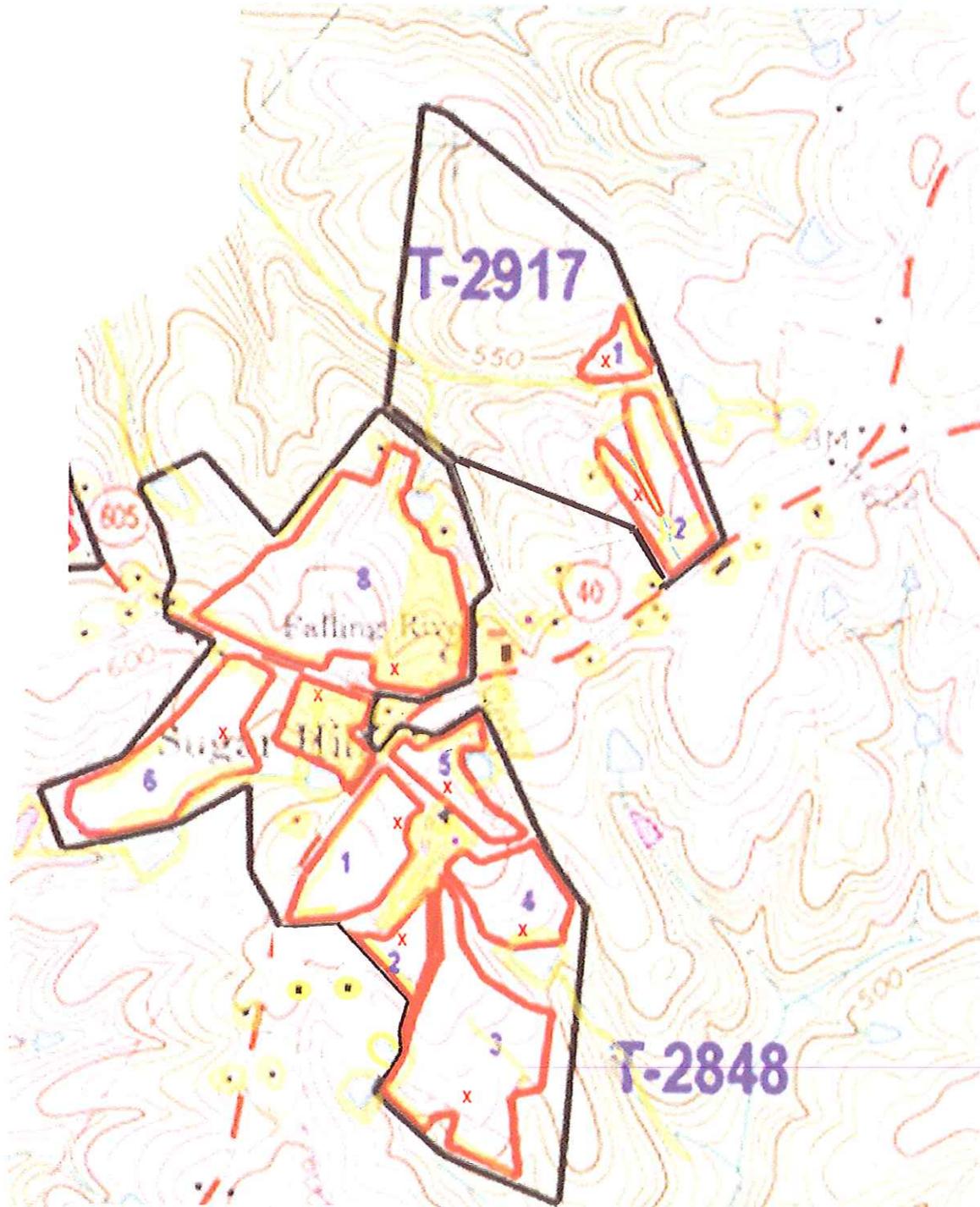
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BIOSOLIDS LAND APPLICATION



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BIOSOLIDS LAND APPLICATION



**MASON FARM
TRACT T-2863
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	18.6	15.5	ApC2* Appling fine sandy loam, 6-15% slopes AxE2 Appling-Wedowee fine sandy loams, 15-25% ApB Appling fine sandy loam, 2-6% slopes	IVa	III
2	5.1	4.0	AxE2* Appling-Wedowee fine sndy. lm., 15-25 CcC2 Cecil fine sandy loam, 6-15% slopes ApC2 Appling fine sandy loam, 6-15% slopes CcB2 Cecil fine sandy loam, 2-6% slopes	IVa	III
3	7.5	7.2	CcC2* Cecil fine sandy loam, 6-15% slopes CcB2 Cecil fine sandy loam, 2-6% slopes ApB Appling fine sandy loam, 2-6% slopes AxE2 Appling-Wedowee fine sandy loams, 15-25%	IVa	II
4	26.2	23.7	CcB2* Cecil fine sandy loam, 2-6% slopes McF Manteo channery loam, 25-60% slopes CuE2 Cullen loam, 15-25% slopes ApC2 Appling fine sandy loam, 6-15% slopes AxE2 Appling-Wedowee fine sandy loams, 15-25% CcC2 Cecil fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes CuC2 Cullen loam, 6-15% slopes	IVa	II
5	11.3	11.0	AxE2* Appling-Wedowee fn. Sndy. Lms., 15-25 WkE Wilkes loam, 15-25% slopes WkD Wilkes loam, 6-15% slopes CcC2 Cecil fine sandy loam, 6-15% slopes ApC2 Appling fine sandy loam, 6-15% slopes	IVa	III
SUM	68.7	61.4			

FIELD	LATITUDE	LONGITUDE
1	37*04.60	78*55.74
2	37*04.71	78*55.66
3	37*04.77	78*55.68
4	37*05.01	78*55.68
5	37*04.94	78*55.45

Report Number:
R09058-0077
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2863

Submitted By: TAMESHA CROCHET

Farm I D:

Field I D:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity H meq/100g	C.E.C. meq/100g
		ENR lbs/A	Rate	Available ppm	Reserve ppm	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index		
1	20271	1.3	69	L	57	H	145	H	117	H	516	M		6.0	6.9	0.7	4.6
2	20272	2.3	91	L	114	VH	147	H	78	H	324	L		5.7	6.9	0.7	3.4
3	20273	2.0	85	L	128	VH	116	H	68	H	293	L		5.4	6.8	0.9	3.2
4	20274	2.6	93	M	68	H	123	H	138	H	848	M		6.4	6.9	0.6	6.3
5	20275	1.9	81	L	85	H	116	H	112	H	522	M		5.7	6.8	1.0	4.9
Sample Number	Percent Base Saturation				Nitrate NO3-N ppm	Sulfur SO4-S ppm	Zinc ZN ppm	Manganese MN ppm	Iron FE ppm	Copper CU ppm	Boron B ppm	Soluble Salts		Chloride CL ppm	Aluminum AL ppm		
	K %	Mg %	Ca %	Na %								ms/cm	Rate				
1	8.0	21.0	55.6														
2	11.2	19.4	48.3														
3	9.2	17.4	45.1														
4	5.0	18.4	67.7														
5	6.1	19.2	53.6														

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: *Paul Chu*
Paul Chu, Ph.D.

Report Number:
R09058-0077
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9045 MASON
T-2863

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.3	0	0	0	0						
2	Adj pH To 6.8		1.5	0	0	0	0						
3	Adj pH To 6.8		1.8	0	0	0	0						
4	Adj pH To 6.8		1.0	0	0	0	0						
5	Adj pH To 6.8		1.5	0	0	0	0						

ALE-006

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Paul Chu, Ph.D.

MASON FARM
TRACT T-2917
FIELD DATA SHEET

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	2.3	1.8	AgC Appling gravelly sandy loam, 6-15% EnC2 Enon fine sandy loam, 6-10% slopes LoE Loiusburg fine sandy loam, 15-25%	IVa	III
2	7.0	3.5	VaB2* Vance fine sandy loam, 2-6% slopes AgC Appling gravelly sandy loam, 6-15%	IVa	III
SUM	9.3	5.3			

FIELD	LATITUDE	LONGITUDE
1	37°04.83	78°54.78
2	37°04.69	78°54.77

Report Number:
R09058-0076

Account Number:
73874

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Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2917

Submitted By: TAMESHA CROCHET

Farm ID:

Field ID:

SOIL ANALYSIS REPORT

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.
		%	ENR lbs/A	Available ppm	Reserve ppm	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index		
1	20269	1.4	71	L	55	H	170	H	122	H	478	L	5.6	6.8	1.2	5.0	
2	20270	3.2	106	M	38	M	84	M	112	H	602	M	5.6	6.8	1.3	5.4	
Sample Number	Percent Base Saturation						Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	Rate								ms/cm	Rate		
1	8.7	20.3	47.7		23.3												
2	4.0	17.2	55.5		23.3												

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: Paul Chu, Ph.D.

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For: PO#9045 MASON
T-2917

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.8	0	0	0	0						
2	Adj pH To 6.8		2.0	0	0	0	0						

ALE-006

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Paul Chu
Paul Chu, Ph.D.

**MASON FARM
TRACT T-2848
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	10.5	10.0	VaB* Vance fine sandy loam, 2-6% slopes VaC2 Vance fine sandy loam, 6-10% slopes	IVa	III
2	3.7	3.2	VaB* Vance fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes	IVa	III
3	12.7	12.0	VaC2* Vance fine sandy loam, 6-10% slopes ApB Appling fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes VaB Vance fine sandy loam, 2-6% slopes AxE2 Appling-Wedowee fine sandy loams, 15-25%	IVa	III
4	6.9	6.6	VaC2* Vance fine sandy loam, 6-10% slopes VaB Vance fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes AxE2 Appling-Wedowee fine sandy loams, 15-25%	IVa	III
5	5.9	4.9	VaB* Vance fine sandy loam, 2-6% slopes VaC2 Vance fine sandy loam, 6-10% slopes ApC2 Appling fine sandy loam, 6-15% slopes	IVa	III
6	9.7	7.2	VaB* Vance fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes AwE2 Appling-Wedowee gravelly sandy loam, 15-25%	IVa	III
8	25.6	15.6	ApC2* Appling fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes VaC2 Vance fine sandy loam, 6-10% slopes VaB Vance fine sandy loam, 2-6% slopes AxE2 Appling-Wedowee fine sandy loams, 15-25%	IVa	III
SUM	75.0	59.5			

FIELD	LATITUDE	LONGITUDE
1	37*04.40	78*55.02
2	37*04.35	78*55.02
3	37*04.24	78*54.98
4	37*04.32	78*54.93
5	37*04.44	78*54.98
6	37*04.50	78*55.23
7	37*04.54	78*55.14
8	37*04.57	78*55.10

Report Number:
R09058-0075

Account Number:
73874

A&L Eastern Laboratories, Inc.

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Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2848

Submitted By: TAMESHA CROCHET

Farm ID: Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium K ppm	Magnesium MG ppm	Calcium CA ppm	Sodium NA ppm	Soil pH	Buffer Index	Acidity H meq/100g	C.E.C. meq/100g		
		%	ENR lbs/A	Available ppm	Reserve ppm									Rate	Rate
1	20262	1.9	82	L	94	H	93	H	475	M	5.8	6.9	0.8	4.2	
2	20263	2.8	99	M	46	M	139	H	516	M	5.7	6.8	1.1	5.1	
3	20264	2.7	96	M	63	H	119	H	567	M	5.5	6.8	1.4	5.5	
4	20265	2.1	85	L	85	H	114	H	483	L	5.5	6.8	1.3	4.9	
5	20266	2.2	87	L	103	VH	107	H	587	M	5.8	6.8	1.0	5.1	
Sample Number	Percent Base Saturation				Nitrate NO3-N ppm	Sulfur SO4-S ppm	Zinc ZN ppm	Manganese MN ppm	Iron FE ppm	Copper CU ppm	Boron B ppm	Soluble Salts		Chloride CL ppm	Aluminum AL ppm
	K %	Mg %	Ca %	Na %								Rate	Rate		
1	6.7	18.3	56.0		19.0										
2	5.0	22.9	51.0		21.1										
3	5.1	17.9	51.2		25.8										
4	6.1	19.2	48.9		25.8										
5	6.3	17.4	57.3		19.0										

A&L-1067

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by:
Paul Chu, Ph.D.

Report Number:
R09058-0075

Account Number:
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Send To: NUTRI-BLEND INC
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Grower: PO#9045 MASON
T-2848

Submitted By: TAMESHA CROCHET

Farm ID:

Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 2 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity		C.E.C.						
		%	ENR lbs/A	Available ppm	Reserve ppm	K ppm	Rate	Mg ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H msq/100g	Rate							
6	20267	1.9	80	105	VH	149	H	116	H	528	L			5.5	6.8	1.4		5.4						
8	20268	3.1	105	35	M	116	H	115	H	557	M			5.7	6.8	1.1		5.1						
Sample Number	Percent Base Saturation				Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm	SO4-S ppm	ZN ppm	MN ppm	FE ppm	CU ppm	B ppm	ms/cm	Rate	ms/cm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate
6	7.1	18.0	49.1		25.8																			
8	5.8	18.7	54.4		21.1																			

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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by: Paul Chu, Ph.D.

Report Number:
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Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.5	0	0	0	0						
2	Adj pH To 6.8		1.5	0	0	0	0						
3	Adj pH To 6.8		2.0	0	0	0	0						
4	Adj pH To 6.8		2.0	0	0	0	0						
5	Adj pH To 6.8		1.5	0	0	0	0						

ALL-ROC

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Paul Chu, Ph.D.

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To: NUTRI-BLEND INC
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For: PO#9045 MASON
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Copy To: TAMESHA CROCHET

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SOIL FERTILITY RECOMMENDATIONS

Page: 2

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
6	Adj pH To 6.8		2.0	0	0	0	0						
8	Adj pH To 6.8		1.5	0	0	0	0						

ALL-REC

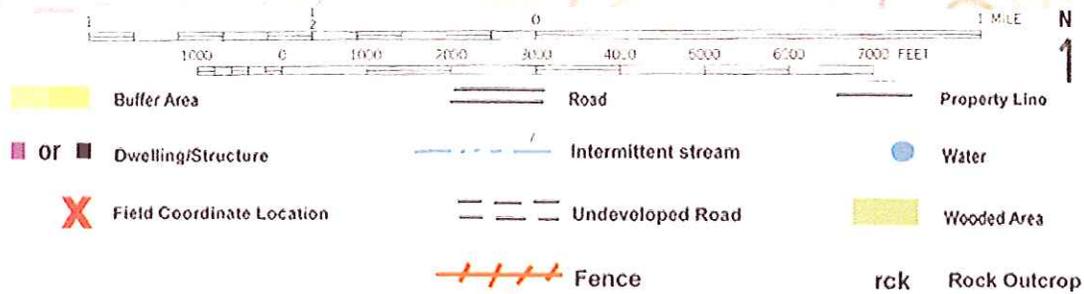
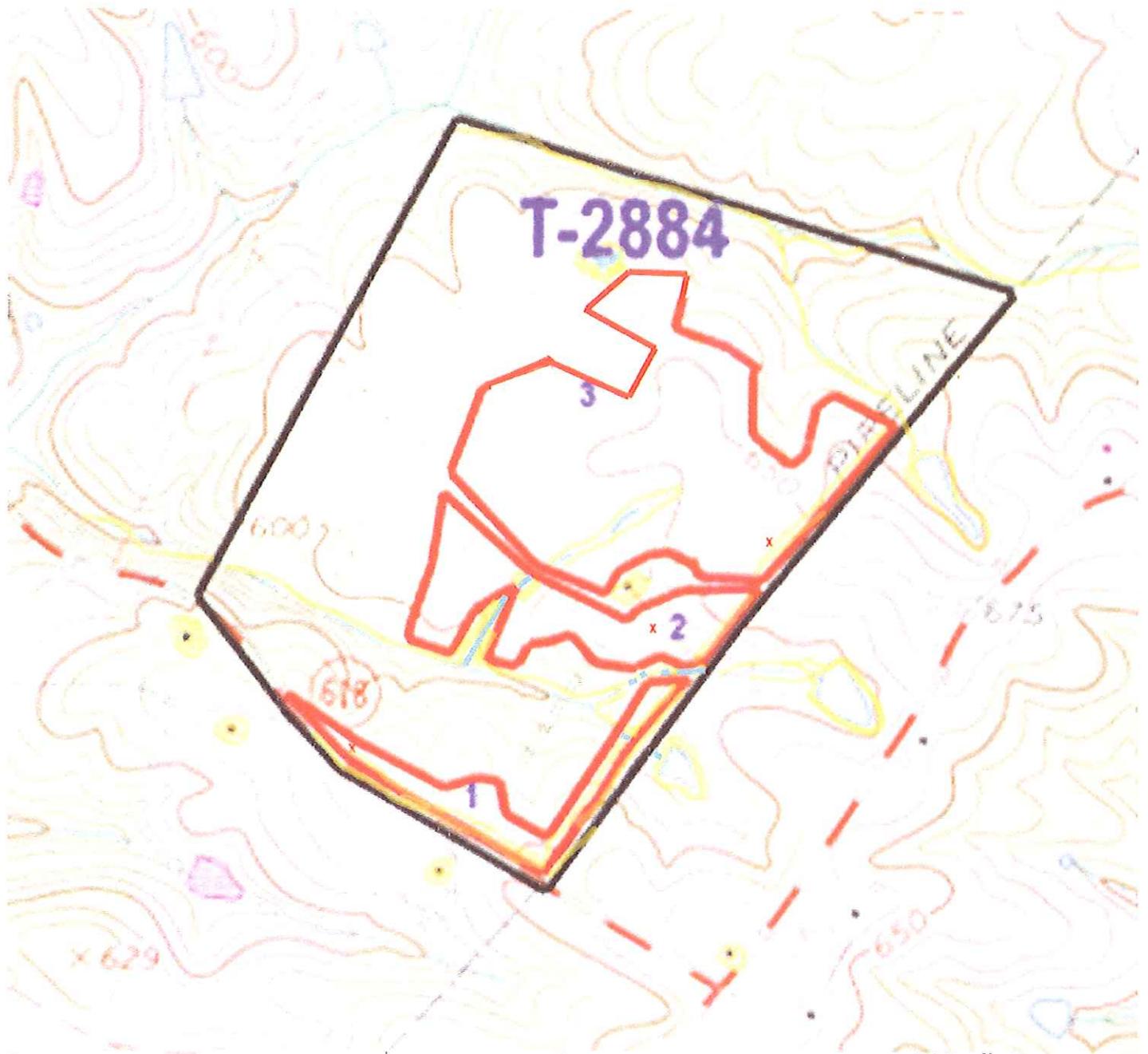
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Paul Chu
 Paul Chu, Ph.D.

MASON FARM
T-2884

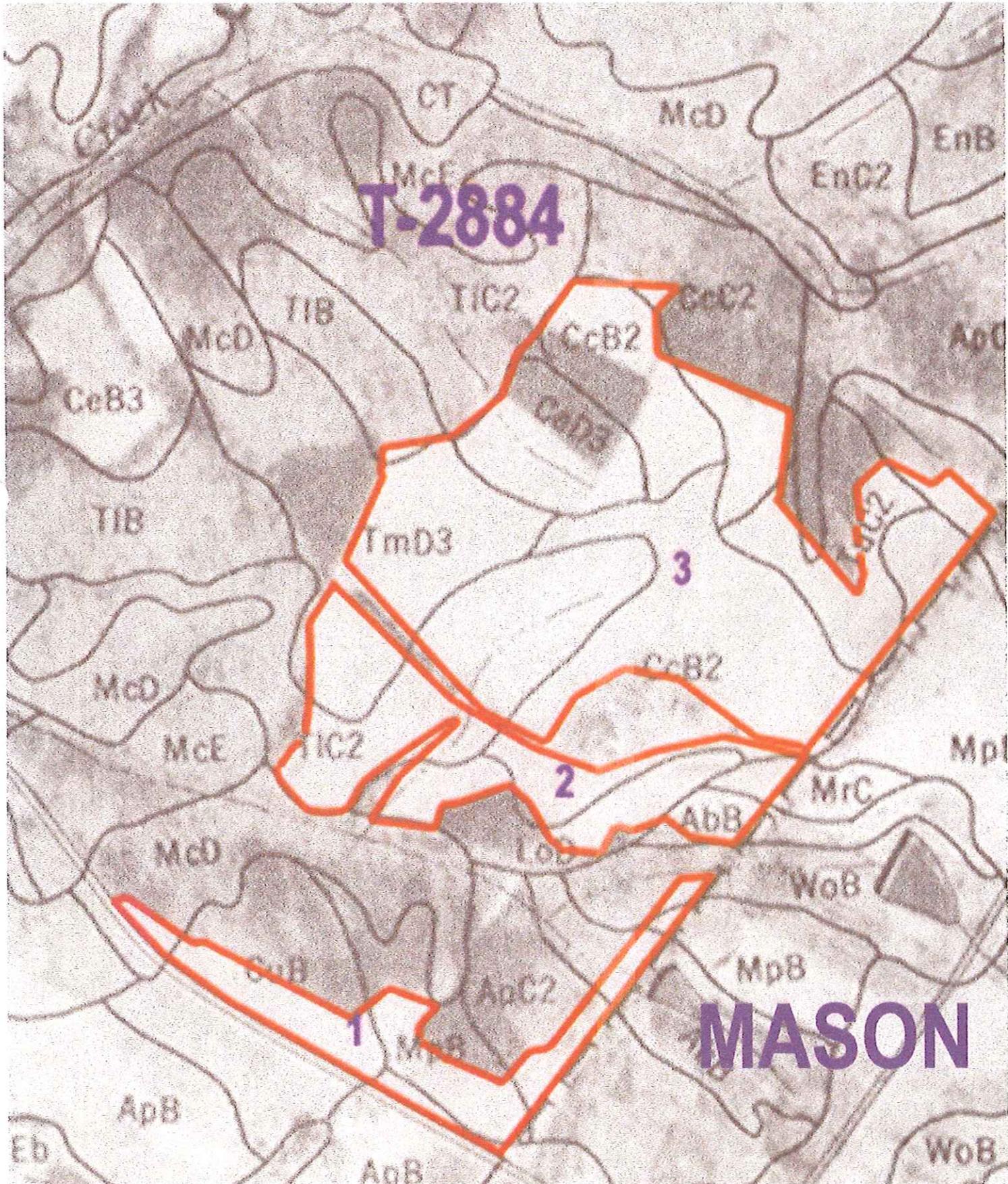
NutriBlend

BIOSOLIDS LAND APPLICATION



NutriBlend

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**MASON FARM
TRACT T-2884
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	9.1	6.1	MpB* Masada fine sandy loam, 2-6% slopes CuB Cullen loam, 2-6% slopes ApB Appling fine sandy loam, 2-6% slopes WoB Worsham soils, 0-4% slopes AbB Abell fine sandy loam, 0-4% slopes ApC2 Appling fine sandy loam, 6-15% slopes McD Manteo channery loam, 6-15% slopes	IIb	II
2	14.5	13.7	TIC2* Tatum loam, 6-15% slopes TmD3 Tatum clay loam, 6-15% slopes LoD Louisburg fine sandy loam, 6-15% slopes CcB2 Cecil fine sandy loam, 2-6% slopes AbB Abell fine sandy loam, 0-4% slopes MrC Masada gravelly fine sandy loam, 6-10%	IVa	II
3	38.1	35.8	CcB2* Cecil fine sandy loam, 2-6% slopes TmD3 Tatum clay loam, 6-15% slopes CeD3 Cecil clay loam, 6-15% slopes TIC2 Tatum loam, 6-15% slopes CcC2 Cecil fine sandy loam, 6-15% slopes TuC2 Turbeville fine sandy loam, 6-15% slopes ApC2 Appling fine sandy loam, 6-15% slopes	IVa	II
SUM	61.7	55.6			

FIELD	LATITUDE	LONGITUDE
1	37°06.67	78°53.65
2	37°06.76	78°53.32
3	37°06.81	78°53.22

Report Number:
R09058-0073

Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2884

Submitted By: TAMESHA CROCHET

Farm ID:

Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH	Acidity	C.E.C.						
		%	ENR lbs/A	Available ppm	Reserve ppm								K ppm	MG ppm	CA ppm	NA ppm	Sol pH	Buffer Index
1	20255	2.7	97	11	VL	93	M	518	M	5.9	6.9	0.8	4.7					
2	20256	2.6	96	119	VH	140	H	384	L	5.3	6.8	1.4	4.4					
3	20257	2.2	88	86	H	120	H	360	L	5.2	6.8	1.5	4.4					
Sample Number	Percent Base Saturation						Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		Chloride	Aluminum	
	K %	Mg %	Ca %	Na %	H %	SO4-S								ZN ppm	MN ppm			FE ppm
1	5.1	22.3	55.4		17.2													
2	8.1	17.5	43.4		31.0													
3	7.0	17.7	41.1		34.1													

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: Paul Chu, Ph.D.

Report Number:
R09058-0073
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9045 MASON
T-2884

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.5	0	0	0	0						
2	Adj pH To 6.8		2.0	0	0	0	0						
3	Adj pH To 6.8		2.0	0	0	0	0						

ALE:RAC

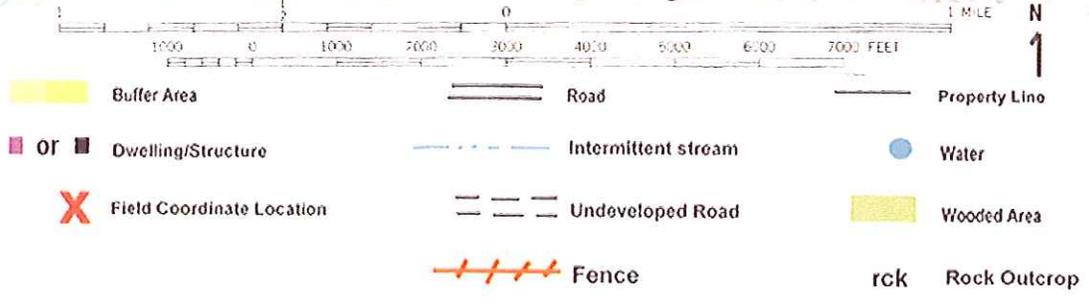
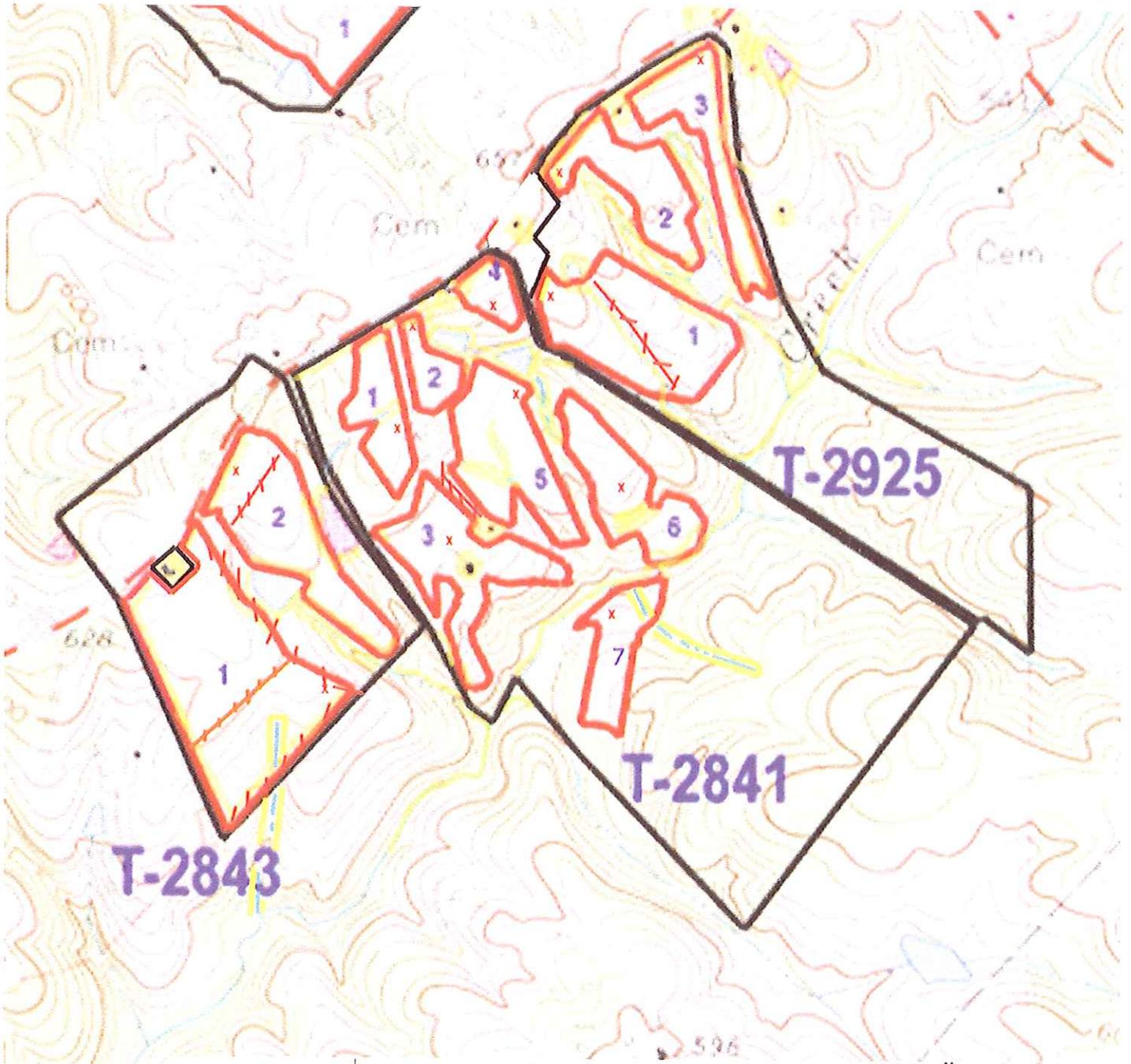
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Paul Chu, Ph.D.

MASON FARM
T-2843, T-2841, T-2925

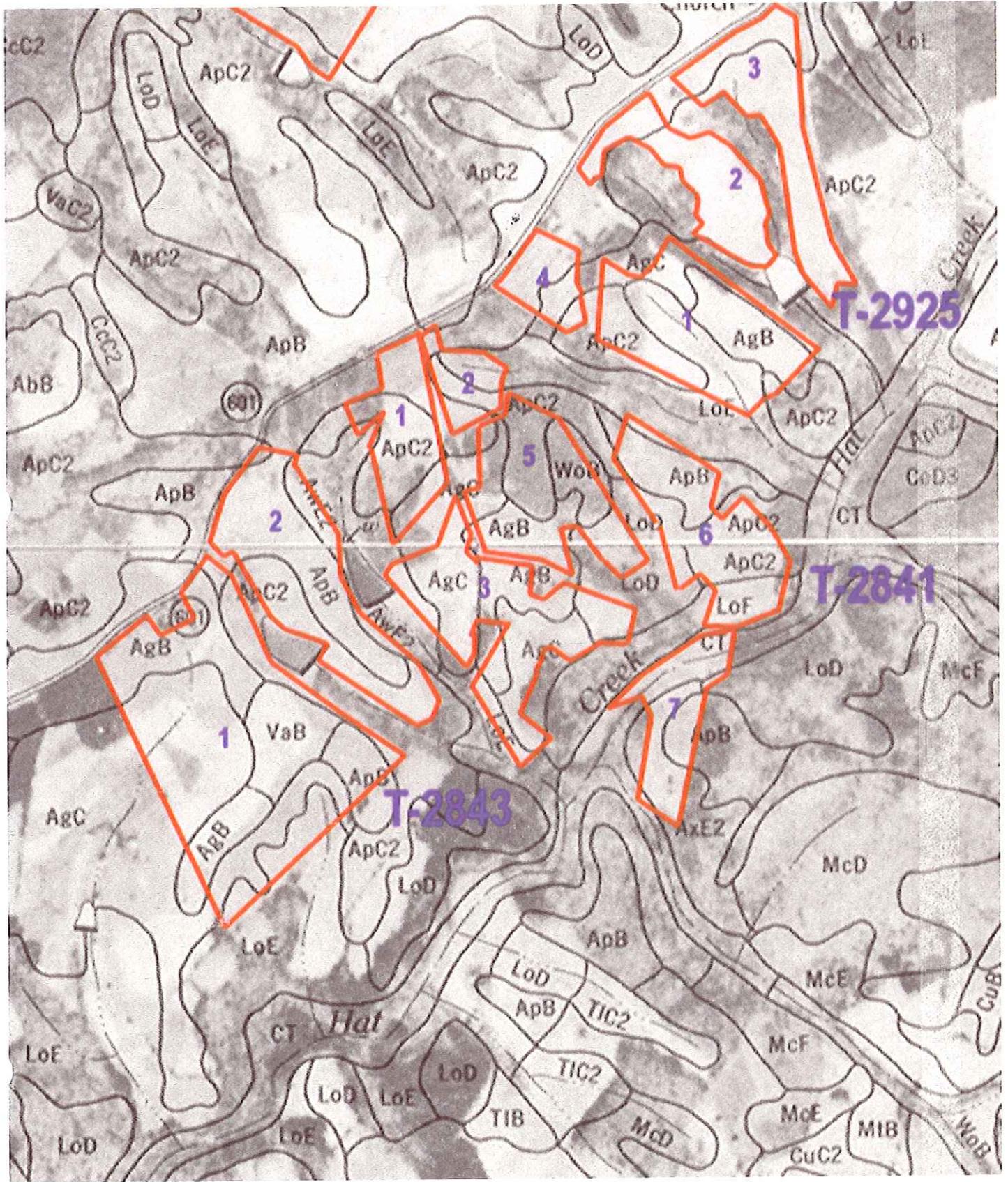
NutriBlend

BIOSOLIDS LAND APPLICATION



NutriBlend

BIOSOLIDS LAND APPLICATION



**MASON FARM
TRACT T-2925
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	14.0	12.8	AgB* Appling gravelly sandy loam, 2-6% slopes AgC Appling gravelly sandy loam, 6-15% slopes ApC2 Appling fine sandy loam, 6-15% slopes LoE Louisburg fine sandy loam, 15-25% slopes	IVa	III
2	11.0	10.0	ApC2* Appling fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes	IVa	III
3	16.8	13.6	ApC2* Appling fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes	IVa	III
SUM	41.8	36.4			

FIELD	LATITUDE	LONGITUDE
1	37°06.77	78°54.54
2	37°06.82	78°54.57
3	37°06.94	78°54.39

Report Number:
R09058-0079
Account Number:
73874

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Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2925

Submitted By: TAMESHA CROCHET

Farm ID: Field ID:

SOIL ANALYSIS REPORT

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009 Analytical Method(s): Mehlich III

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity		C.E.C.
		%	ENR lbs/A	Available ppm	Reserve ppm	K ppm	Rate	Mg ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g	Rate	
1	20280	2.6	94	M	15	L	141	H	144	H	601	M	5.9	6.8	0.9	5.5		
2	20281	3.0	101	M	30	L	132	H	151	H	786	M	6.1	6.8	0.9	6.4		
3	20282	2.5	94	L	31	M	92	M	98	H	436	M	5.6	6.8	1.0	4.2		
Sample Number	Percent Base Saturation			Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		Chloride	Aluminum				
	K %	Mg %	Ca %								Na %	Rate			Rate	CL ppm	AL ppm	
1	6.6	21.8	54.5															
2	5.3	19.6	61.4															
3	5.6	19.4	51.7															

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by: A & L EASTERN LABORATORIES, INC.

by: *Paul Chu* Paul Chu, Ph.D.

Report Number:
R09058-0079
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9045 MASON
T-2925

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.5	0	0	0	0						
2	Adj pH To 6.8		1.3	0	0	0	0						
3	Adj pH To 6.8		1.8	0	0	0	0						

ALC:Roc

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Paul Chu, Ph.D.

**MASON FARM
TRACT T-2841
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	7.5	7.3	ApC2* Appling fine sandy loam, 6-15% slopes AgC Appling gravelly sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes AwE2 Appling-Wedowee gravelly sandy loams, 15-25%	IVa	III
2	3.5	3.0	LoE* Louisburg fn. Sndy. Lm., 15-25% slopes ApC2 Appling fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes	IVb	III
3	13.7	12.2	AgC* Appling grvly. sandy loam, 6-15% slopes LoE Louisburg fine sandy loam, 15-25% slopes LoD Louisburg fine sandy loam, 6-15% slopes AgB Appling gravelly sandy loam, 2-6% slopes AwE2 Appling-Wedowee gravelly sandy loams, 15-25%	IVa	III
4	4.2	3.7	ApB* Appling fine sandy loam, 2-6% slopes AgC Appling gravelly sandy loam, 6-15% slopes ApC2 Appling fine sandy loam, 6-15% slopes	IVa	III
5	12.8	12.0	ApC2* Appling fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes AgC Appling gravelly sandy loam, 6-15% slopes AgB Appling gravelly sandy loam, 2-6% slopes WoB Worsham soils, 0-4% slopes LoD Louisburg fine sandy loam, 6-15% slopes	IVa	III
6	10.1	9.0	ApC2* Appling fine sandy loam, 6-15% slopes ApB Appling fine sandy loam, 2-6% slopes LoE Louisburg fine sandy loam, 15-25% slopes LoF Louisburg fine sandy loam, 25-60% slopes LoD Louisburg fine sandy loam, 6-15% slopes	IVa	III
7	6.0	5.5	AxE2* Appling-Wedowee fn. sndy lms, 15-25% LoD Louisburg fine sandy loam, 6-15% slopes CT Chewacla-Toccoa complex ApB Appling fine sandy loam, 2-6% slopes	IVa	III
SUM	57.8	52.7			

FIELD	LATITUDE	LONGITUDE
1	37*06.64	78*54.76
2	37*06.56	78*54.75
3	37*06.45	78*54.72
4	37*06.68	78*54.66
5	37*06.60	78*54.60
6	37*06.55	78*54.52
7	37*06.37	78*54.52

Report Number:
R09058-0072
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2841

Farm ID: Field ID:

Submitted By: TAMESHA CROCHET

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.	
		%	ENR lbs/A	Available ppm	Reserve ppm		K ppm	Mg ppm	CA ppm	NA ppm	Soil pH	Buffer Index	H meq/100g	meq/100g			
1	20249	2.5	93	L	53	H	130	H	142	H	562	M	6.3	6.9	0.5	4.8	
2	20250	3.0	102	M	93	H	158	H	109	H	576	M	5.7	6.8	1.1	5.3	
3	20251	3.8	117	M	47	M	150	H	142	H	765	M	6.0	6.8	1.0	6.4	
5	20252	2.9	101	M	21	L	132	H	124	H	570	M	6.3	6.9	0.5	4.7	
6	20253	3.6	115	M	22	L	91	M	116	H	595	M	5.9	6.8	0.9	5.0	
Sample Number	Percent Base Saturation						Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm								SO4-S ppm	ZN ppm		
1	6.9	24.5	58.1		10.6												
2	7.6	17.1	54.2		21.1												
3	6.0	18.6	60.0		15.4												
5	7.2	21.9	60.4		10.6												
6	4.6	19.2	59.0		17.2												

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: *Paul Chu* Paul Chu, Ph.D.

Report Number:
R09058-0072

Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2841

Submitted By: TAMESHA CROCHET

Farm ID:

Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 2 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH	Buffer Index	Acidity	C.E.C.	
		%	ENR lbs/A	Available ppm	Reserve ppm									K ppm
7	20254	3.8	119 M	19 L		89 M	112 H	568 M		5.9	6.9	0.8	4.8	
Sample Number	Percent Base Saturation				Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %										
7	4.8	19.6	58.5											

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & EASTERN LABORATORIES, INC.

by: Paul Chu, Ph.D.

Report Number:
R09058-0072
Account Number:
73874

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Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9045 MASON
T-2841

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.0	0	0	0	0						
2	Adj pH To 6.8		1.5	0	0	0	0						
3	Adj pH To 6.8		1.3	0	0	0	0						
5	Adj pH To 6.8		1.0	0	0	0	0						
6	Adj pH To 6.8		1.5	0	0	0	0						

ALE:RAC

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Report Number:
R09058-0072
Account Number:
73874

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To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9045 MASON
T-2841

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 2

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
7	Adj pH To 6.8		1.5	0	0	0	0						

ALE:rcw

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Paul Chu, Ph.D.

**MASON FARM
TRACT T-2843
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	26.3	22.2	AgC* Appling grvly. sandy loam, 6-15% slopes AgB Appling gravelly sandy loam, 2-6% slopes ApB Appling fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes VaB Vance fine sandy loam, 2-6% slopes LoE Louisburg fine sandy loam, 15-25% slopes	IVa	III
2	13.6	13.0	ApB* Appling fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes AwE2 Appling-Wedowee gravelly sandy loams, 15-25%	IVa	III
SUM	39.9	35.2			

FIELD	LATITUDE	LONGITUDE
1	37°06.33	78°54.89
2	37°06.51	78°54.97

Report Number:
R09058-0080

A&L Eastern Laboratories, Inc.

Account Number: 7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
73874 Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2843

Submitted By: TAMESHA CROCHET

Farm ID:

Field ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH	Buffer Index	Acidity	C.E.C.
		% ENR	lbs/A Rate	Available ppm	Reserve ppm	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate				
1	20283	2.7	98 M	38	M	85	M	99	H	435	M			5.7	6.8	0.9	4.1
2	20284	2.3	89 L	14	L	103	H	116	H	505	M			5.8	6.8	0.9	4.6
Sample Number	Percent Base Saturation			Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		Chloride	Aluminum			
	K %	Mg %	Ca %								Na %	H %			SO4-S ppm	ZN ppm	MN ppm
1	5.3	20.2	53.3														
2	5.7	20.8	54.4														

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: Paul Chu, Ph.D.

Report Number:
R09058-0080
Account Number:
73874

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

For: PO#9045 MASON
T-2843

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

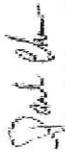
SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.5	0	0	0	0						
2	Adj pH To 6.8		1.5	0	0	0	0						

ALE-R06

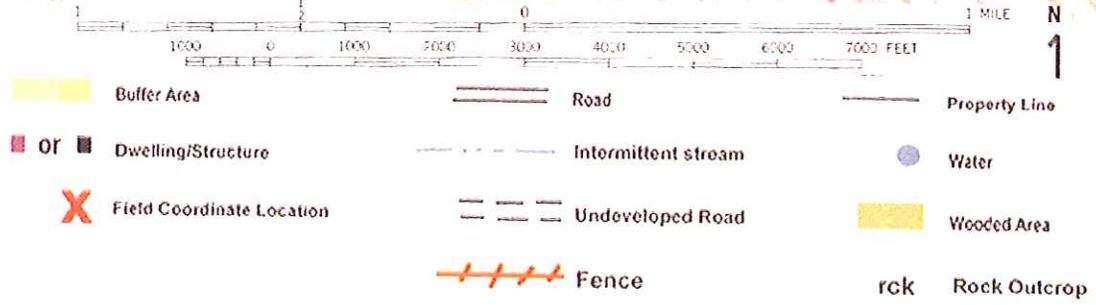
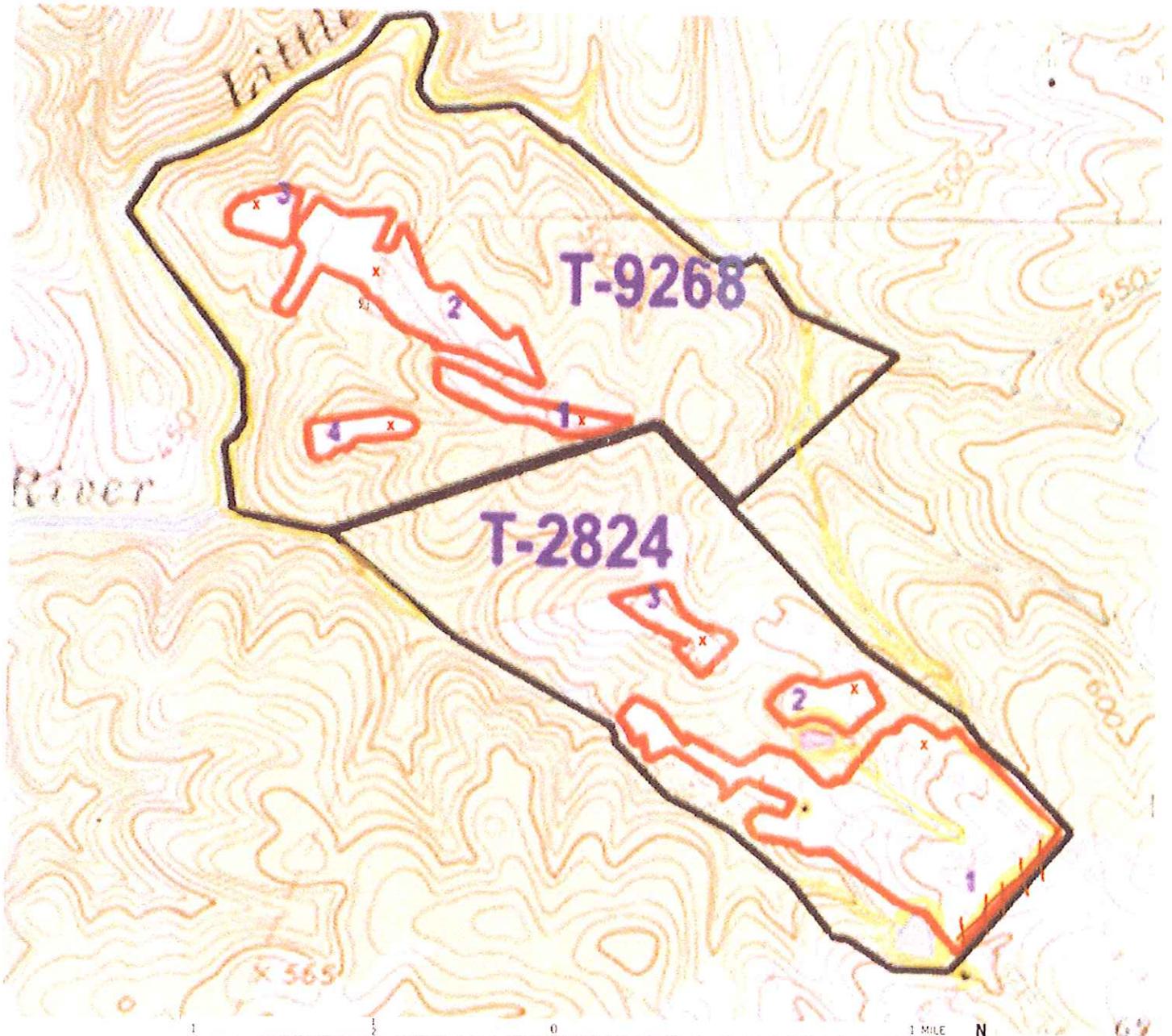
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Paul Chu, Ph.D.

MASON FARM
T-9268, T2824

NutriBlend

BIOSOLIDS LAND APPLICATION



**MASON FARM
TRACT T-9268
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	4.2	4.2	EnC2* Enon fine sandy loam, 6-10% slopes CcC2 Cecil fine sandy loam, 6-15% slopes	IVa	III
2	8.4	8.4	CcC2* Cecil fine sandy loam, 6-15% slopes WkE Wilkes loam, 15-25% slopes EnC2 Enon fine sandy loam, 6-10% slopes	IVa	II
3	2.0	2.0	CcC2* Cecil fine sandy loam, 6-15% slopes WkE Wilkes loam, 15-25% slopes EnC2 Enon fine sandy loam, 6-10% slopes	IVa	II
4	2.1	2.1	EnC2* Enon fine sandy loam, 6-10% slopes WkD Wilkes loam, 6-15% slopes	IVa	III
SUM	16.7	16.7			

FIELD	LATITUDE	LONGITUDE
1	37°07.32	78°55.21
2	37°07.47	78°55.47
3	37°07.32	78°55.43

Report Number:
R09058-0078
Account Number:
73874

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7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
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Send To: NUTRI-BLEND INC
POB 38060
RICHMOND, VA 23231

Grower: PO#9045 MASON
T-9268

Submitted By: TAMESHA CROCHET

Farm I D: Field I D:

SOIL ANALYSIS REPORT

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009 Analytical Method(s): Mehlich III

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH	Acidity	C.E.C.
		%	ENR lbs/A	Available ppm	Reserve ppm							
1	20276	2.4	93	28	L	116	H	390	M	5.8	6.9	3.7
2	20277	2.3	91	30	L	97	H	363	L	5.6	6.8	3.7
3	20278	3.1	103	21	L	130	H	681	M	5.9	6.8	6.0
4	20279	2.5	92	33	M	151	H	726	M	6.1	6.9	5.8

Sample Number	Percent Base Saturation				Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		Chloride	Aluminum
	K %	Mg %	Ca %	Na %								Rate ppm	Rate ppm		
1	8.0	20.8	52.2		H %	SO4-S ppm	ZN Rate ppm	MN Rate ppm	FE Rate ppm	CU Rate ppm	B Rate ppm	Rate ppm	Rate ppm	CL Rate ppm	AL Rate ppm
2	6.7	21.3	48.7		19.0	23.3									
3	5.5	21.0	56.4		17.2										
4	6.6	17.5	62.1		13.7										

A&L logo

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: *Paul Chu*
Paul Chu, Ph.D.

Report Number:
R09058-0078
Account Number:
73874

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For: PO#9045 MASON
T-9268

Copy To: TAMESHA CROCHET

Date Received: 02/27/2009
Date Reported: 03/04/2009

SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.5	0	0	0	0	0	0				
2	Adj pH To 6.8		1.8	0	0	0	0	0	0				
3	Adj pH To 6.8		1.5	0	0	0	0	0	0				
4	Adj pH To 6.8		1.3	0	0	0	0	0	0				

ALE-RAC

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Paul Chu, Ph.D.

**MASON FARM
TRACT T-2824
FIELD DATA SHEET**

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	20.9	18.9	ApB* Appling fine sandy loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes LoE Louisburg fine sandy loam, 15-25% slopes LoD Louisburg fine sandy loam, 6-15% slopes CeD3 Cecil clay loam, 6-15% slopes WkD Wilkes loam, 6-15% slopes LoF Louisburg fine sandy loam, 25-60% slopes CuC2 Cullen loam, 6-15% slopes	IVa	III
2	1.8	1.6	CeB3* Cecil clay loam, 2-6% slopes ApC2 Appling fine sandy loam, 6-15% slopes LoD Louisburg fine sandy loam, 6-15% slopes WkD Wilkes loam, 6-15% slopes	IVa	II
3	3.6	3.6	WkD* Wilkes loam, 6-15% slopes VaC2 Vance fine sandy loam, 6-10% slopes	V	IV
SUM	26.3	24.1			

FIELD	LATITUDE	LONGITUDE
1	37*07.06	78*54.89
2	37*07.11	78*54.95
3	37*07.13	78*55.13

Report Number:
R09058-0074
Account Number:
73874

A&L Eastern Laboratories, Inc.

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Send To: NUTRI-BLEND INC
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RICHMOND, VA 23231

Grower: PO#9045 MASON
T-2824

Submitted By: TAMESHA CROCHET

Farm I D:

Field I D:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1 Date Received: 2/27/2009 Date of Analysis: 2/28/2009 Date of Report: 3/4/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH	Acidity	C.E.C.				
		%	ENR lbs/A	Available ppm	Reserve ppm								K ppm	MG ppm	CA ppm	NA ppm
1	20259	3.0	102	56	H	128	H	711	M	6.1	6.9	5.7				
2	20260	2.5	92	47	M	108	H	700	M	5.8	6.8	5.8				
3	20261	2.1	86	75	H	119	H	419	M	5.8	6.9	4.0				
Sample Number	Percent Base Saturation						Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	SO4-S ppm										
1	5.8	18.2	62.3		13.7											
2	4.8	16.2	60.1		19.0											
3	7.7	20.6	52.7		19.0											

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
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This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by: Paul Chu, Ph.D.

Report Number: R09058-0074
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SOIL FERTILITY RECOMMENDATIONS

Page: 1

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		1.3	0	0	0	0						
2	Adj pH To 6.8		1.5	0	0	0	0						
3	Adj pH To 6.8		1.5	0	0	0	0						

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Paul Chu
 Paul Chu, Ph.D.