J.DOWDEN FARM

VIRGINIA POLLUTION ABATEMENT APPLICATION

FORM D

MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 6-17-08 between James Dowden, referred to here as "landowner", and Nutri-Blend, 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 1712 & 1672 ("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 _____ 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:
James F. Dowden
May Dowden

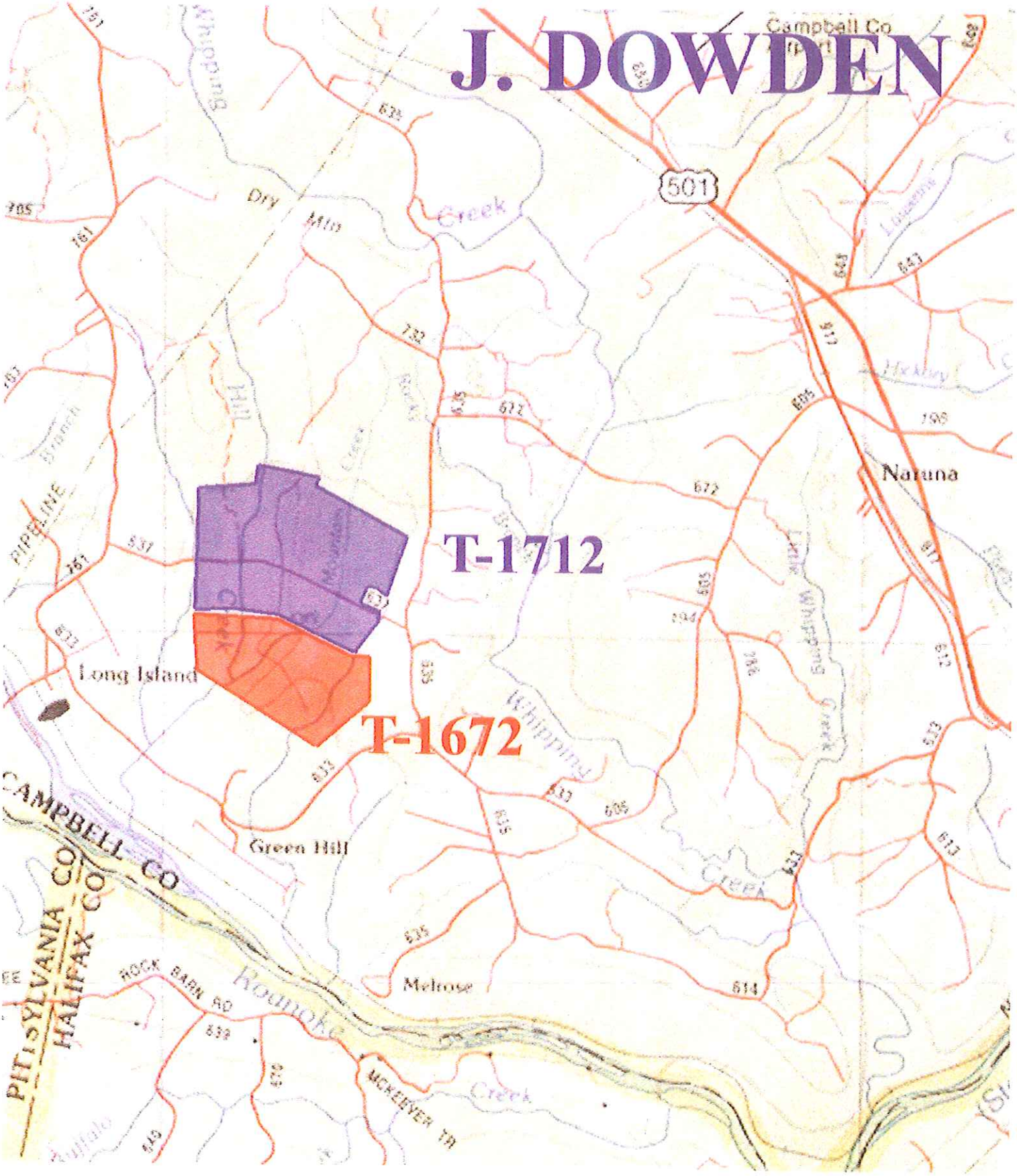
Mailing Address:
910 Whitehall Rd
Long Island, VA 24569

Permittee:
Nutri Blend

Mailing Address:

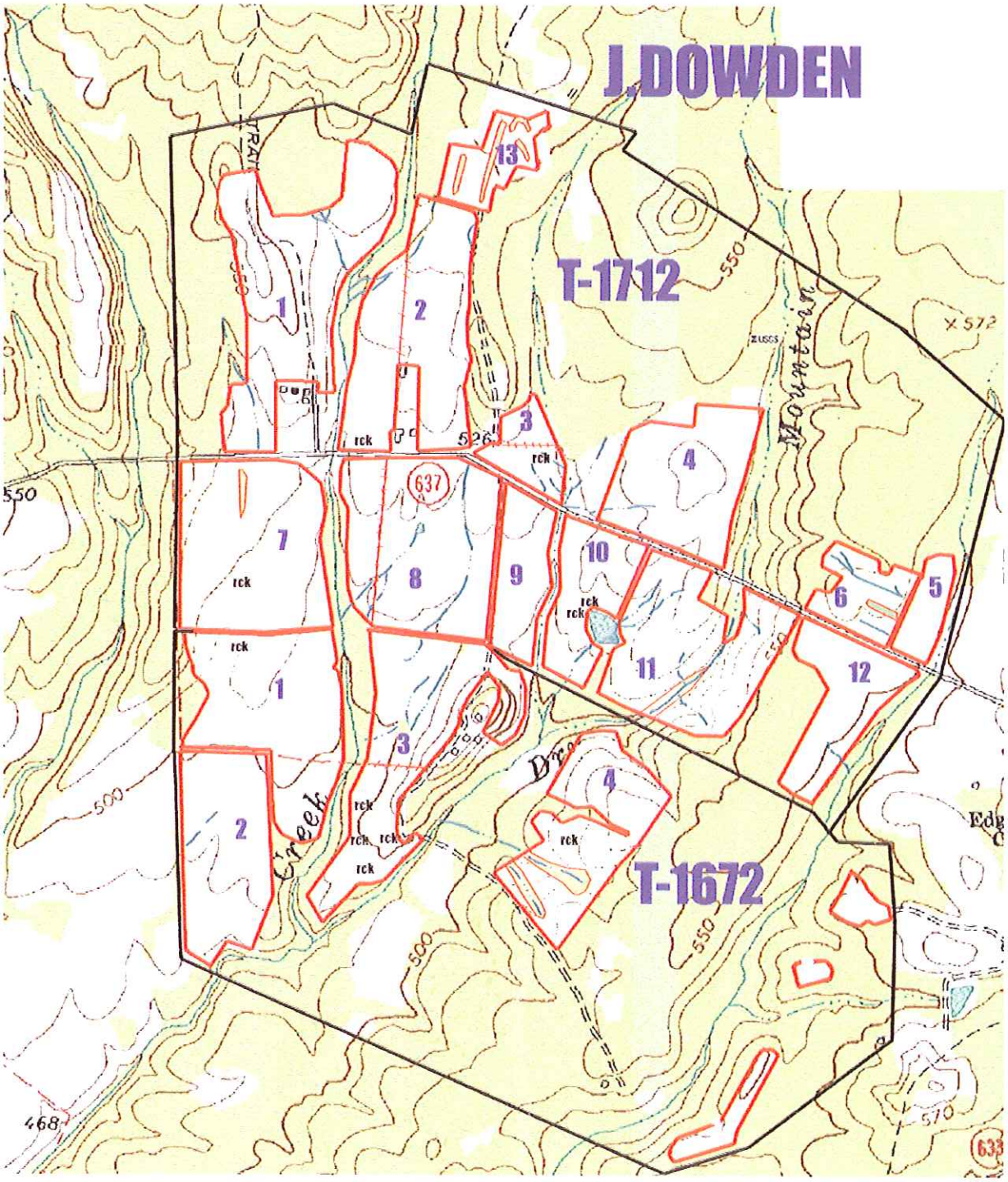
Nutri Blend

BIOSOLIDS LAND APPLICATION



NutriBlend

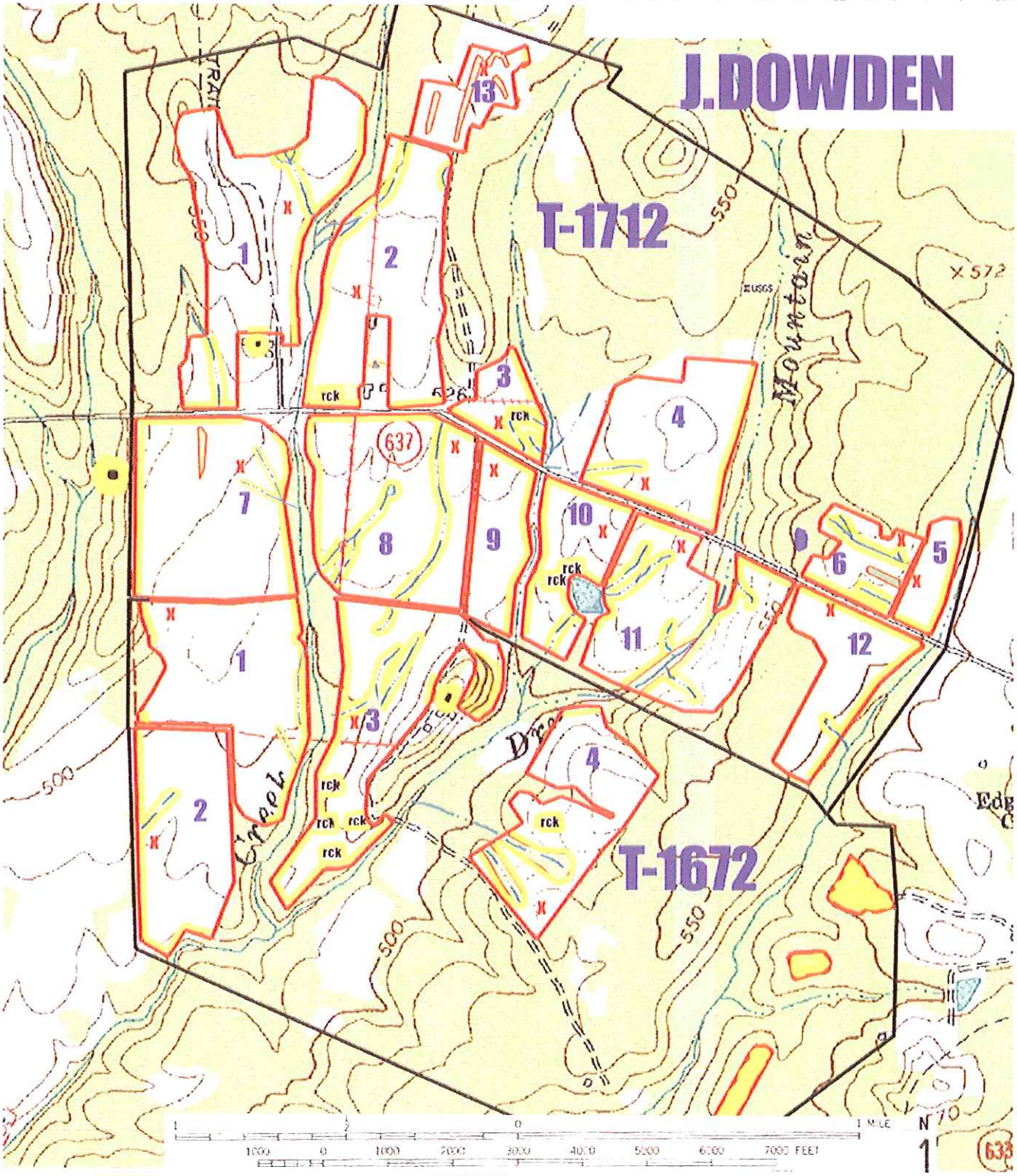
BIOSOLIDS LAND APPLICATION



J.DOWDEN FARM
TRACTS T-1672, T-1712

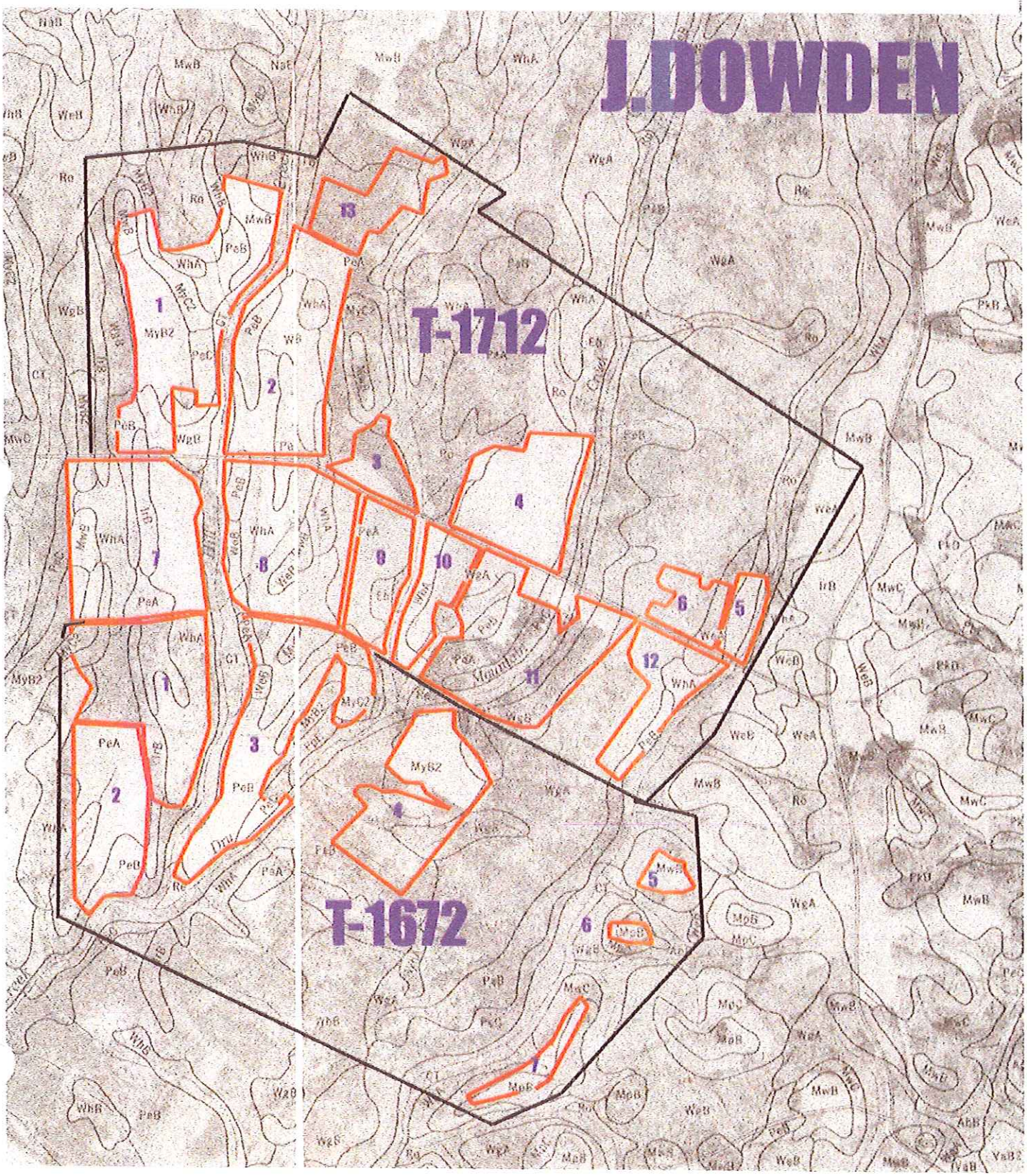
NutriBlend

BIOSOLIDS LAND APPLICATION



NutriBlend

BIOSOLIDS LAND APPLICATION



J.DOWDEN FARM
TRACT T-1672
FIELD DATA SHEET

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	35.8	34.6	WhA* White Store loam, wet, 0-2% slopes IrB Iredell loam, 2-6% slopes PeA Penn silt loam, 0-2% slopes PeB Penn silt loam, 2-6% slopes MyB2 Mayoden loam, 2-6% slopes PeC Penn silt loam, 6-15% slopes MwB Mayoden fine sandy loam, 2-6% slopes MyC2 Mayoden loam, 6-15% slopes	V	IV
2	26.6	25.9	PeA* Penn silt loam, 0-2% slopes PeB Penn silt loam, 2-6% slopes WhA White Store loam, wet, 0-2% slopes IrB Iredell loam, 2-6% slopes Re Riverview loam	IVb	III
3	39.1	33.7	PeB* Penn silt loam, 2-6% slopes PeA Penn silt loam, 0-2% slopes WhA White Store loam, wet, 0-2% slopes WeB White Store fine sandy loam, 2-6% slopes MyC2 Mayoden loam, 6-15% slopes PpE Pinkston and Penn soils, 15-25% slopes MyB2 Mayoden loam, 2-6% slopes PeC Penn silt loam, 6-15% slopes Re Riverview loam CT Chewacla-Toccoa complex	IVb	III
4	30.4	25.2	MyB2* Mayoden loam, 2-6% slopes Ro Roanoke silt loam PeB Penn silt loam, 2-6% slopes WgA White Store loam, 0-2% slopes WgB White Store loam, 2-6% slopes PeB Penn silt loam, 2-6% slopes	IVa	III
SUM	**131.9**	**119.4**			

FIELD	LATITUDE	LONGITUDE
1	37°05'10"	79°04'54"
2	37°04'79"	79°04'61"
3	37°04'97"	79°04'29"
4	37°04'69"	79°03'99"

Report Number:
R06265-0028
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: J DOWDEN
T-1672

Submitted By: TIM C

Farm I D: **Field I D:**

SOIL ANALYSIS REPORT

Page: 1 **Date Received:** 9/21/2006 **Date of Analysis:** 9/22/2006 **Date of Report:** 9/25/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.
		%	ENR lbs/A	Rate	Available ppm	Rate	Reserve ppm	Rate	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	18531	2.9	98	M	24	L			52	L	195	H	780	M			5.8	6.8	1.3	7.0
2	18532	4.8	134	M	53	H			131	H	215	H	760	L			5.3	6.7	2.7	8.6
3	18533	5.2	144	H	10	VL			66	L	205	H	660	L			5.4	6.7	2.0	7.2
4	18534	2.1	83	L	7	VL			111	H	145	H	710	M			5.6	6.8	1.5	6.6
5	18535	4.3	134	M	146	VH			51	L	25	M	100	L			4.8	6.9	0.7	1.6

Sample Number	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm	Rate	SO4-S ppm	Rate	ZN ppm	Rate	MN ppm	Rate	FE ppm	Rate	CU ppm	Rate	B ppm	Rate	ms/cm	Rate	CL ppm	Rate	AL ppm	Rate
1	1.9	23.3	55.8		19.0																				
2	3.9	20.8	44.2		31.0																				
3	2.3	23.7	45.7		28.3																				
4	4.3	18.4	54.0		23.3																				
5	8.3	13.3	31.8		46.6																				

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:
R06265-0028
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: J DOWDEN
T-1672

Submitted By: TIM C

Farm I D: **Field I D:**

SOIL ANALYSIS REPORT

Page: 2 **Date Received:** 9/21/2006 **Date of Analysis:** 9/22/2006 **Date of Report:** 9/25/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.
		%	ENR lbs/A	Rate	Available ppm	Rate	Reserve ppm	Rate	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
6	18536	4.8	143	M	81	H			50	L	35	H	120	L			4.9	6.9	0.8	1.8
7	18537	4.3	133	M	167	VH			55	L	25	M	160	L			5.1	6.9	0.7	1.8

Sample Number	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm	Rate	SO4-S ppm	Rate	ZN ppm	Rate	MN ppm	Rate	FE ppm	Rate	CU ppm	Rate	B ppm	Rate	ms/cm	Rate	CL ppm	Rate	AL ppm	Rate
6	7.1	16.0	33.0		43.9																				
7	7.7	11.3	43.4		37.6																				

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, Ph.D.

Report Number:
R06265-0028
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: J DOWDEN
T-1672

Copy To: TIM C

Date Received: 09/21/2006
Date Reported: 09/25/2006

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		1.8	0	0	0	0						
2	Adj pH To 6.8		2.5	0	0	0	0						
3	Adj pH To 6.8		2.3	0	0	0	0						
4	Adj pH To 6.8		2.0	0	0	0	0						
5	Adj pH To 6.8		1.8	0	0	0	0						

ALE-Rec

Sample 5: This soil is very sandy and subject to heavy leaching loss of nutrients specially nitrogen, boron and even potassium. To minimize loss, make sure only apply nutrient when plants are growing and split into 2 or 3 applications during the growing season.
Sample 5: Apply dolomitic lime to raise pH and improve the magnesium level.

Paul Chu, Ph.D.

Report N. er:
R06265-0028
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: J DOWDEN
T-1672

Copy To: TIM C

Date Received: 09/21/2006
Date Reported: 09/25/2006

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
6	Adj pH To 6.8		1.8	0	0	0	0						
7	Adj pH To 6.8		1.8	0	0	0	0						

ALE-Rec

Samples 6, 7: This soil is very sandy and subject to heavy leaching loss of nutrients specially nitrogen, boron and even potassium. To minimize loss, make sure only apply nutrient when plants are growing and split into 2 or 3 applications during the growing season.
Samples 6, 7: Apply dolomitic lime to raise pH and improve the magnesium level.

Paul Chu, Ph.D.

J.DOWDEN FARM
TRACT T-1712
FIELD DATA SHEET

Field	Total Acres	Net Acres	Soil Series	Productivity	
				Corn	Hay
1	53.0	51.0	MyB2* Mayoden loam, 2-6% slopes MyC2 Mayoden loam, 6-15% slopes WhB White Store loam, 2-6% slopes MwB Mayoden fine samdy loam, 2-6% slopes CT Chewacla-Toccoa complex PeB Penn silt loam, 2-6% slopes Ro Roanoke silt loam, local alluvium WhA White Store loam, 2-6% slopes WgB White Store loam, 2-6% slopes PeC Penn silt loam, 6-15% slopes IrB Iredell loam, 2-6% slopes	IVa	III
2	42.1	40.0	WeB* White Store fine sndy loam, 2-6% slpes Fo Forestdale silt loam CT Chewacla-Toccoa complex PeB Penn silt loam, 2-6% slopes WhA White Store loam, 2-6% slopes PeA Penn silt loam, 0-2% slopes MyC2 Mayoden loam, 6-15% slopes	V	IV
3	6.8	3.4	PeA* Penn silt loam, 0-2% slopes WhA White Store loam, 2-6% slopes Ro Roanoke silt loam, local alluvium MyC2 Mayoden loam, 6-15% slopes	IVb	III
4	27.2	26.3	PeA* Penn silt loam, 0-2% slopes Ro Roanoke silt loam, local alluvium WhA White Store loam, 2-6% slopes Eb Elbert loam	IVb	III
5	6.6	6.2	WhA* White Store loam, wet, 0-2% slopes WeA White Store fine sandy loam, 0-2% slopes Ro Roanoke silt loam, local alluvium	V	IV
6	10.0	7.8	WgA* White Store loam, 0-2% slopes WeA White Store fine sandy loam, 0-2% slopes	V	IV
7	39.1	37.0	WhA* White Store loam, wet, 0-2% slopes PeC Penn silt loam, 6-15% slopes MyB2 Mayoden loam, 2-6% slopes MwB Mayoden fine samdy loam, 2-6% slopes MyC2 Mayoden loam, 6-15% slopes IrB Iredell loam, 2-6% slopes PeA Penn silt loam, 0-2% slopes	V	IV
8	42.7	39.2	WhA* White Store loam, wet, 0-2% slopes CT Chewacla-Toccoa complex PeB Penn silt loam, 2-6% slopes WeB White Store fine sandy loam, 2-6% slopes PeA Penn silt loam, 0-2% slopes	V	IV
9	14.8	14.0	PeA* Penn silt loam, 0-2% slopes	IVb	III

			Ro Roanoke silt loam, local alluvium Eb Elbert loam PeB Penn silt loam, 2-6% slopes		
10	17.8	16.7	PeA* Penn silt loam, 0-2% slopes WhA White Store loam, 2-6% slopes WgA White Store loam, 0-2% slopes Eb Elbert loam Ro Roanoke silt loam, local alluvium	IVb	III
11	39.4	36.0	PeA* Penn silt loam, 0-2% slopes WgA White Store loam, 0-2% slopes PeB Penn silt loam, 2-6% slopes Ro Roanoke silt loam, local alluvium PeC Penn silt loam, 6-15% slopes WgB White Store loam, 2-6% slopes	IVb	III
12	19.4	18.5	WgA* White Store loam, 0-2% slopes WeA White Store fine sandy loam, 0-2% slopes WhA White Store loam, 2-6% slopes PeB Penn silt loam, 2-6% slopes	V	IV
13	15.0	13.0	PeA* Penn silt loam, 0-2% slopes MwB Mayoden fine samdy loam, 2-6% slopes WgA White Store loam, 0-2% slopes	IVb	III
SUM	**333.9**	**309.1**			

FIELD	LATITUDE	LONGITUDE
1	37°05'70"	79°04'35"
2	37°05'58"	79°04'25"
3	37°05'33"	79°04'02"
4	37°05'24"	79°03'84"
5	37°05'12"	79°03'40"
6	37°05'19"	79°03'40"
7	37°05'25"	79°04'44"
8	37°05'32"	79°04'10"
9	37°05'31"	79°04'08"
10	37°05'21"	79°03'87"
11	37°05'19"	79°03'77"
12	37°05'12"	79°03'53"
13	37°05'82"	79°04'03"

Report Number:
R06265-0029
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: J DOWDEN T-1712

Submitted By: TIM C

Farm I D:

Field I D:

SOIL ANALYSIS REPORT

Page: 1 **Date Received:** 9/21/2006 **Date of Analysis:** 9/22/2006 **Date of Report:** 9/25/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.
		%	ENR lbs/A	Rate	Available ppm	Rate	Reserve ppm	Rate	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	18539	4.3	129	M	28	L			73	M	90	H	540	M			5.5	6.8	1.3	4.9
2	18540	7.9	150	VH	35	M			51	L	110	H	500	L			5.2	6.8	1.8	5.4
3	18541	3.1	94	M	21	L			86	L	175	M	1710	M			5.9	6.7	2.1	12.3
4	18542	2.1	80	L	48	M			172	H	220	H	960	M			5.9	6.8	1.5	8.5
5	18543	2.5	90	L	48	M			81	M	190	H	900	M			6.2	6.8	0.9	7.2

Sample Number	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm	Rate	SO4-S ppm	Rate	ZN ppm	Rate	MN ppm	Rate	FE ppm	Rate	CU ppm	Rate	B ppm	Rate	ms/cm	Rate	CL ppm	Rate	AL ppm	Rate
1	3.8	15.3	55.1		25.8																				
2	2.4	17.0	46.4		34.1																				
3	1.8	11.8	69.3		17.2																				
4	5.2	21.5	56.2		17.2																				
5	2.9	22.1	62.9		12.1																				

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

Paul Chu, Ph.D.

Report Number:
R06265-0029
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: J DOWDEN T-1712

Submitted By: TIM C

Farm I D: **Field I D:**

SOIL ANALYSIS REPORT

Page: 2 **Date Received:** 9/21/2006 **Date of Analysis:** 9/22/2006 **Date of Report:** 9/25/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.
		%	ENR lbs/A	Rate	Available ppm	Rate	Reserve ppm	Rate	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
6	18544	3.0	102	M	176	VH			75	M	75	M	550	M			5.2	6.8	1.8	5.4
7	18545	1.5	69	L	17	L			49	VL	260	VH	830	M			6.1	6.8	1.0	7.5
8	18546	1.4	70	L	22	L			54	L	140	H	630	M			5.8	6.8	1.0	5.5
9	18547	2.0	75	L	26	L			98	M	335	VH	1300	M			6.6	6.9	0.6	10.1
10	18548	4.1	121	M	21	L			150	H	210	H	760	L			5.5	6.7	2.1	8.0

Sample Number	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm	Rate	SO4-S ppm	Rate	ZN ppm	Rate	MN ppm	Rate	FE ppm	Rate	CU ppm	Rate	B ppm	Rate	ms/cm	Rate	CL ppm	Rate	AL ppm	Rate
6	3.6	11.5	50.8		34.1																				
7	1.7	29.0	55.6		13.7																				
8	2.5	21.2	57.3		19.0																				
9	2.5	27.5	64.1		5.9																				
10	4.8	21.9	47.5		25.8																				

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:
R06265-0029

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: J DOWDEN T-1712

Submitted By: TIM C

Farm I D:

Field I D:

SOIL ANALYSIS REPORT

Page: 3 **Date Received:** 9/21/2006 **Date of Analysis:** 9/22/2006 **Date of Report:** 9/25/2006

Analytical Method(s):
Mehlich III

Sample Number	Lab Number	Organic Matter %	Organic Matter ENR lbs/A	Organic Matter ENR Rate	Phosphorus Available ppm	Phosphorus Available Rate	Phosphorus Reserve ppm	Phosphorus Reserve Rate	Potassium K ppm	Potassium K Rate	Magnesium MG ppm	Magnesium MG Rate	Calcium CA ppm	Calcium CA Rate	Sodium NA ppm	Sodium NA Rate	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C. meq/100g
11	18549	1.6	69	L	17	L			150	H	225	H	970	M			5.7	6.7	1.9	9.0
12	18550	2.3	86	L	45	M			89	M	185	H	800	M			6.1	6.8	0.9	6.7
13	18551	3.4	110	M	14	L			106	H	95	M	450	L			5.1	6.7	2.0	5.3

Sample Number	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO3-N ppm	Nitrate Rate	Sulfur SO4-S ppm	Sulfur Rate	Zinc ZN ppm	Zinc Rate	Manganese MN ppm	Manganese Rate	Iron FE ppm	Iron Rate	Copper CU ppm	Copper Rate	Boron B ppm	Boron Rate	Soluble Salts ms/cm	Soluble Salts Rate	Chloride CL ppm	Chloride Rate	Aluminum AL ppm	Aluminum Rate
11	4.3	20.8	53.8		21.1																				
12	3.4	23.1	59.8		13.7																				
13	5.1	14.9	42.4		37.6																				

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:
R06265-0029
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: J DOWDEN T-1712

Copy To: TIM C

Date Received: 09/21/2006
Date Reported: 09/25/2006

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		2.0	0	0	0	0						
2	Adj pH To 6.8		2.3	0	0	0	0						
3	Adj pH To 6.8		2.0	0	0	0	0						
4	Adj pH To 6.8		1.8	0	0	0	0						
5	Adj pH To 6.8		1.3	0	0	0	0						

ALE-Rec

Samples 1, 2: Apply dolomitic lime to raise pH and improve the magnesium level.

Paul Chu, Ph.D.

Report N. .er:
R06265-0029
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: J DOWDEN T-1712

Copy To: TIM C

Date Received: 09/21/2006
Date Reported: 09/25/2006

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
6	Adj pH To 6.8		2.3	0	0	0	0						
7	Adj pH To 6.8		1.3	0	0	0	0						
8	Adj pH To 6.8		1.5	0	0	0	0						
9	Adj pH To 6.8		1.0	0	0	0	0						
10	Adj pH To 6.8		2.3	0	0	0	0						

ALE-Rec

Sample 6: Apply dolomitic lime to raise pH and improve the magnesium level.

Paul Chu, Ph.D.

Report N. .er:
R06265-0029
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: J DOWDEN T-1712

Copy To: TIM C

Date Received: 09/21/2006
Date Reported: 09/25/2006

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
11	Adj pH To 6.8		2.0	0	0	0	0						
12	Adj pH To 6.8		1.3	0	0	0	0						
13	Adj pH To 6.8		2.3	0	0	0	0						

ALE-Rec

Sample 13: Apply dolomitic lime to raise pH and improve the magnesium level.

Paul Chu, Ph.D.