Craven
AG SERVICES, INC.
2115 Hwy 55 West New Bern, NC 28562

BILLY DUNHAM, PRESIDENT
(252) 633-5334
(252) 670-8530

September 30, 2013

RECEIVED
OCT - 3 2013
SOLID WASTE SECTION

Tony Gallagher
Composting and Land Application Branch
N.C. Division of Waste Management
1646 Mail Service Center
Raleigh, N. C. 27699-1646

Subject: Wood Ash Reports for Physical year 2012-2013

Wood Ash Generator: Craven County Wood Energy
Wade Tippet
Fuel Procurement Manager
Craven County Wood Energy
201 Executive Parkway
New Bern, NC 28562

Craven Ag Services, Inc began managing the recycling of their wood ash on April 1, 2013.. The total tons of Wood Ash generated from 4/1/2013 to 6/30/2013 was 2,779 tons. The ash was hauled and stored at Craven Ag's permitted storage facility, mixed together for consistency and then hauled out to farms. The following farms received the Ash:

1.. Derrick Potter, 205 Keel Rd, Grantsboro, NC 28529

Spread 2,779 ton on 647 acres of his New Ditch Farm in Pamlico County. (See enclosed nutrient plan)

The Farms received approximately 4 ton of ash per acre. The nutrient management plan includes nutrient applications as well as calculated metals application at 6 tons per acre. These calculations show that we are well under any annual loading rates.

All of the ash generated from 4/1/2013-6/30/2013 was applied on the Potter farm..

Sincerely

Billy Dunham

Craven Ag Services, Inc.

BEST MANAGEMENT PRACTICES FOR WOOD ASH USED AS AN AGRICULTURAL SOIL AMENDMENT BY CRAVEN AG SERVICES INC.

1. When ash is produced in industrial combustion systems, the temperature of combustion, cleanliness of the fuel wood, the collection location and the process can have profound effects on the nature of the ash material. Therefore, wood ash composition can be highly variable. This makes testing the wood ash very important. Therefore random samples of the wood ash being used will be sampled before being applied on farm land. This will give us a dependable data source to use in developing a nutrient plan.

2. Calcium is the most abundant element in wood ash and gives the ash properties that are similar to agricultural lime. Therefore, the limiting factor for land application in usually the Calcium Carbonate Equivalence (CCE). Ash is also a good source of potassium, phosphorus, magnesium, and aluminum. In terms of commercial fertilizer, average wood ash would probably be about 0-1-3 (N-P-K). In addition to these macronutrients, wood ash is also a good source of many micronutrients that are needed in trace amounts for adequate plant growth. Wood ash contains few elements that pose environmental problems. Heavy metal concentrations are typically low and not in a highly extractable or available form. Therefore, a waste management plan will be developed that address all nutrients that are available as well any accumulative metal precautions that should be addressed.

3. Planning for wood ash application requires several considerations. Soil nutrient level and pH must be determined through proper soil testing.

* Soils will be sampled by the farmer or representatives of Craven Ag Services Inc.

* Waste Analysis will be taken monthly by Craven Ag Services, Inc to determine the nutrient and liming value of the ash.

* Annual metals testing will be done by the generator

* Using the waste analysis,a nutrient management plan will be developed by Craven Ag Services Inc for each farm.

4. Best Management Practices (BMP'S) for spreading wood ash shall be produced by Craven Ag Services Inc. They will include the following:

* Road maps showing the general location of the farm receiving the ash

* If any storage sites are set up on these farms they shall be located on the maps along with a BMP that covers all requirements set by the Department of Solid Waste. If it is to be a permanent storage site a permit will be gotten from the department of Solid Waste before storage begins.

*A nutrient plan shall be developed for each field and will include the following:

**Soil samples of each field

**Field maps of each field

**A Waste analysis of the ash to be applied

**The actual nutrient plan showing the tons of ash to be applied per acre to maintain the soil pH within the optimum range of the intended crop growth. Even though we cannot guarantee any nutrient value for the wood ash the plan will use the average wood ash analysis to show the nutrient value of the ash being applied to the field.

* Water protection practices will include:

**Erosion possibilities. If a field has a tolerance of less than 5 tons of soil erosion per year then it is considered as having no erosion problems. Wood ash will not be applied on any fields with a tolerance of more than 5 tons.

**Separation from surface waters...25 Ft buffer is required for storage and spreading.

** Separation from drainage ...5 ft buffer with no ash applied in any drainage structure

**Distance to groundwater..ash will not be applied on fields when the water table is less than 18" of the soil surface.

**Setbacks... 25 feet from property lines...100 feet from dwellings...50 feet from well.

5. Certification to ensure that annual pollutant loading rates and cumulative pollutant rates are consistent with 40 CFR part 503.13. This will be done be including a copy of Table 4 of 503.13 and Table 2 of 503.13. These tables (found in the MANAGEMENT OF WOODASH AS A SOIL AMENDMENT) will be accompanied by a copy of the latest NCDA waste analysis and the latest copy of the metals toxicity tests.

6. To control dust the wood ash will be spread at a moisture percentage of 35 to 40 percent.

7. Wood ash will always be covered during transport to prevent losses in route to the storage or application sites.

8. Litter spreaders will be used to spread the ash evenly over the fields. Spreaders will be calibrated to be sure they are applying the proper rates per acre.

9. Health considerations will be taken into account to prevent both particle inhalation and contact with the eyes and skin. (safety glasses, masks, etc.)

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WOOD ASH
METALS LOADING RATES

To address the issue of Annual and Cumulative Pollutant Loading Rates for land application I have taken the numbers from ash Metals Analysis and have converted them to lbs per ton of ash..

First I converted the mg/l to Mg/Kg by taking the average DM% of the NCDA Waste Analysis Report and dividing it into the mg/l value of each metal. Then converted the Mg/Kg into lbs per ton by multiplying by.002 (Per Dr. Rubin)converson factor. Then used the ALE liming factor from the NCDA Waste Analysis Report (average 6.5 to 1) to get the annual application rate of each metal on a per acre basis.

Metal	mg/l	mg/kg	lbs/ton	lbs/acre	Annual limit lbs/ac
Arsenic	.75	1.56	.003	.02	1.76
Barium	<10	20.8	.042	.27	NA
Cadmium	<.050	.105	.0002	.00013	1.67
Chromium	.35	.73	.0015	.010	132
Lead	<.50	1.04	.0021	.014	13.2
Mercury	<.010	.021	.00004	.0003	.99
Selenium	<.50	1.04	.0021	.014	4.4
Silver	<.10	.021	.00004	.003	N A

The amount per acre would change if we applied more or less than 6.5 tons of wood ash per acre. Our rate in 4 tons per acre average of ash application thus there is no over application of metals.

Billy Dunham

Craven Wood Energy

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www.etcmemphis.com 2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
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02986
Craven Wood Energy
Mr. Wade Tippett
201 Executive Parkway
Newbern , NC 28562

Project Information : Fly Ash

Report Date : 11/26/2012
Received : 11/7/2012

Report Number : **12-312-0254**

REPORT OF ANALYSIS

Lab No : **94164**
Sample ID : **Fly Ash**

Matrix: **Solid**
Sampled: **11/6/2012 15:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
TCLP Herbicide Extraction	**Leachate**			1	11/13/12 16:57	SAJ	SW-1311
TCLP Metals Extraction	**Leachate**			1	11/13/12 16:57	SAJ	SW-1311
TCLP Pesticide Extraction	**Leachate**			1	11/13/12 16:57	SAJ	SW-1311
TCLP SVOC Extraction	**Leachate**			1	11/13/12 16:57	SAJ	SW-1311
TCLP VOC ZHE Extraction	**Leachate**			1	11/13/12 16:57	SAJ	SW-1311 (ZHE)

Analytical Method: 6010B
Prep Method: 3005A **Prep Batch(es):** L147317 **Date/Time Prepped:** 11/14/2012 10:20:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP Arsenic	<0.250	mg/L	0.250	1	11/17/12 02:08	BKN	L147583
TCLP Barium	**2.21**	mg/L	0.250	1	11/17/12 02:08	BKN	L147583
TCLP Cadmium	<0.050	mg/L	0.050	1	11/17/12 02:08	BKN	L147583
TCLP Chromium	<0.100	mg/L	0.100	1	11/17/12 02:08	BKN	L147583
TCLP Lead	<0.100	mg/L	0.100	1	11/17/12 02:08	BKN	L147583
TCLP Selenium	<0.500	mg/L	0.500	1	11/17/12 02:08	BKN	L147583
TCLP Silver	<0.050	mg/L	0.050	1	11/17/12 02:08	BKN	L147583

Qualifiers/ Definitions

*	Outside QC limit	DF	Dilution Factor
I	Recovery out of range	MQL	Method Quantitation Limit

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Matrix: **Solid**
Sampled: **11/6/2012 15:45**

Analytical Method: 7470A
Prep Method: 7470A **Prep Batch(es):** L147505 **Date/Time Prepped:** 11/15/2012 11:00:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP Mercury	<0.0010	mg/L	0.0010	1	11/15/12 18:47	TDJ	L147572

Analytical Method: 8081A
Prep Method: 3510C **Prep Batch(es):** L147455 **Date/Time Prepped:** 11/15/2012 11:40:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP Endrin	<0.000040	mg/L	0.000040	10	11/16/12 02:20	VIC	L147568
TCLP gamma-BHC	<0.000040	mg/L	0.000040	10	11/16/12 02:20	VIC	L147568
TCLP Methoxychlor	<0.000040	mg/L	0.000040	10	11/16/12 02:20	VIC	L147568
TCLP Toxaphene	<0.000300	mg/L	0.000300	10	11/16/12 02:20	VIC	L147568
TCLP Chlordane	<0.000200	mg/L	0.000200	10	11/16/12 02:20	VIC	L147568
TCLP Heptachlor Epoxide	<0.000040	mg/L	0.000040	10	11/16/12 02:20	VIC	L147568
TCLP Heptachlor	<0.000040	mg/L	0.000040	10	11/16/12 02:20	VIC	L147568
Surrogate: Decachlorobiphenyl	77.54 %		Limits: 36-116%	10	11/16/12 02:20	VIC	L147568
Surrogate: Tetrachloro-m-xylene	47.79 %		Limits: 25-123%	10	11/16/12 02:20	VIC	L147568

Analytical Method: 8151A
Prep Method: 8151A **Prep Batch(es):** L147411 **Date/Time Prepped:** 11/15/2012 08:30:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP 2,4-D	<0.0020	mg/L	0.0020	1	11/20/12 13:12	VIC	L147898

Qualifiers/ Definitions

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Lab No : **94164**
Sample ID : **Fly Ash**

Matrix: **Solid**
Sampled: **11/6/2012 15:45**

Analytical Method: 8151A
Prep Method: 8151A **Prep Batch(es):** L147411 **Date/Time Prepped:** 11/15/2012 08:30:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP 2,4,5-TP (Silvex)	<0.0020	mg/L	0.0020	1	11/20/12 13:12	VIC	L147898
Surrogate: DCAA	25.90 %		Limits: 20-120%	1	11/20/12 13:12	VIC	L147898

Analytical Method: 8260B
Prep Method: 5030B **Prep Batch(es):** L147592 **Date/Time Prepped:** 11/16/2012 08:07:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP Benzene	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP Carbon Tetrachloride	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP Chlorobenzene	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP Chloroform	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP 1,4-Dichlorobenzene	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP 1,2-Dichloroethane	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP 1,1-Dichloroethene	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP Methyl Ethyl Ketone (MEK)	<0.200	mg/L	0.200	1	11/16/12 16:09	SEB	L147595
TCLP Tetrachloroethene	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP Trichloroethene	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
TCLP Vinyl Chloride	<0.0100	mg/L	0.0100	1	11/16/12 16:09	SEB	L147595
Surrogate: 4-Bromofluorobenzene	97.4 %		Limits: 71-137%	1	11/16/12 16:09	SEB	L147595
Surrogate: Dibromofluoromethane	**62.0 % ***		Limits: 70-128%	1	11/16/12 16:09	SEB	L147595
Surrogate: 1,2-Dichloroethane - d4	74.0 %		Limits: 63-136%	1	11/16/12 16:09	SEB	L147595
Surrogate: Toluene-d8	93.8 %		Limits: 70-130%	1	11/16/12 16:09	SEB	L147595

Qualifiers/ Definitions

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Sample ID : **Fly Ash**

Matrix: **Solid**
Sampled: **11/6/2012 15:45**

Analytical Method: 8270C
Prep Method: 3510C **Prep Batch(es):** L147355 **Date/Time Prepped:** 11/14/2012 14:00:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
TCLP 2-Methylphenol	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP 3&4 Methylphenol	<0.040	mg/L	0.040	1	11/14/20 20:16	NFP	L147451
TCLP 2,4-Dinitrotoluene	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP Hexachlorobenzene	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP Hexachlorobutadiene	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP Hexachloroethane	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP Nitrobenzene	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP Pentachlorophenol	<0.040	mg/L	0.040	1	11/14/20 20:16	NFP	L147451
TCLP Pyridine	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP 2,4,5-Trichlorophenol	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
TCLP 2,4,6-Trichlorophenol	<0.020	mg/L	0.020	1	11/14/20 20:16	NFP	L147451
Surrogate: TCLP 2,4,6-Tribromophenol	62.5 %		Limits: 40-125%	1	11/14/20 20:16	NFP	L147451
Surrogate: TCLP 2-Fluorobiphenyl	63.5 %		Limits: 38-107%	1	11/14/20 20:16	NFP	L147451
Surrogate: TCLP 2-Fluorophenol	36.4 %		Limits: 20-110%	1	11/14/20 20:16	NFP	L147451
Surrogate: TCLP 4-Terphenyl-d14	80.5 %		Limits: 33-122%	1	11/14/20 20:16	NFP	L147451
Surrogate: TCLP Nitrobenzene-d5	62.3 %		Limits: 29-110%	1	11/14/20 20:16	NFP	L147451
Surrogate: TCLP Phenol-d6	24.4 %		Limits: 10-115%	1	11/14/20 20:16	NFP	L147451

Qualifiers/ Definitions * Outside QC limit DF Dilution Factor

NUTRIENT PLAN FOR

DERRICK POTTER FARMS

POUNDS OF NUTRIENTS RECEIVED PER ACRE

AT 4 TONS PER ACRE

Sample	P	K	Mg	S	Fe	Z	Mn	Cu	B	ALE (LIME)
1	18	32	7	6	5	.5	.8	.19	.3	6.7
2	29	40	8	6	6	.9	.9	.3	.4	3.7
3	22	58	12	7	12	.7	1	.36	.3	6.1
4	26	71	11	9	9	.9	1.1	.4	.3	7.85
Average	22	53	10	7	8	.7	.9	1	.3	6.8
Adjusted	15	37	7	5	5.6	.49	.63	.70	.06	
@4 ton/ac	60	148	28	20	22	1.9	2.52	2.8	.24	.58 ton LIME

Sample 2 was an individual sample taken when Craven Wood Energy was burning very clean wood. Therefore it was left out of the averaging. Samples 1,3,&4 were composite samples taken at different locations in the storage pile AT DIFFERENT TIMES.

NCDA waste report notes that only 70-100 % of these nutrients may become available for the first crop. Therefore using 70% available the adjusted nutrient value is determined. Four ton of ash per acre will supply all necessary nutrients other than Nitrogen on the corn crop. The Cove City crop is corn and the New Ditch crop is soybeans

Understanding the Waste Report * - *additional information:* www.ncagr.gov/agronomi/pdffiles/uwaste.pdf & www.ncagr.gov/agronomi/pdffiles/wasteguide.pdf

Nutrient concentrations and other data on this report are provided so that waste materials can be applied at agronomic rates, thereby supplementing or reducing fertilizer application and preventing environmental contamination. In reading the **Laboratory Results** section, remember that materials with < 15% dry matter (generally liquids) are analyzed as received; all other wastes are dried first. Values in the **Estimate of Nutrients Available for First Crop** section are based on the type of waste and method of application you specify and reflect the fact that only 40-60% of the nitrogen and 70-100% of other nutrients become available within one year of application. The remainder *may or may not* ever become available.

* **ppm** = parts per million; **S** = siemens; **mS** = millisiemens; **T** = trace (<0.005 lb/unit); **EC** = electrical conductivity; **CCE** = calcium carbonate equivalence; **ALE** = agricultural lime equivalence; **pH** = acidity or basicity; **DM%** = % dry matter [for semi-solid and solid waste samples, this value facilitates conversion of dry-basis concentrations (ppm) back to wet-basis of original sample]; **C:N ratio** = carbon:nitrogen ratio.

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September 30, 2013

Tony Gallagher
Composting and Land Application Branch
N.C. Division of Waste Management
1646 Mail Service Center
Raleigh, N. C. 27699-1646

Subject: Wood Ash Reports for Physical year 2012-2013

Wood Ash Generator: Coastal Carolina Clean Power
Michael Wood, Regional EHS Coordinator
P. O. Box 809
1823 NC 11 & 903
Kenansville, N. C. 28349

Craven Ag Services, Inc began managing the recycling of their wood ash on August 8 of 2012. The total tons of Wood Ash generated from 8/10/12 through June 30,2013 was 5,156 tons. The ash was hauled and stored at Craven Ag's permitted storage facility, mixed together for consistency and then hauled out to farms. The following farms received the Ash:

1. Triple S Farms, PO Box 709, Beulaville, NC 28518

   Spread 950 ton on 176 acres on their farm in Duplin County (See enclosed nutrient plan)

2. Derrick Potter, 205 Keel Rd, Grantsboro, NC 28529

   Spread 2,052 ton on 506 acres of his Cove City Farm in Craven County and 2,154 ton on 540 acres of his New Ditch Farm in Pamlico County. (See enclosed nutrient plan)

Both Farms received approximately 4 ton of ash per acre. The nutrient management plan includes nutrient applications as well as calculated metals application at 6 tons per acre. These calculations show that we are well under any annual loading rates. (see Metals sheet)

All of the ash generated from8/10/2012 through 6/30/2013 was applied on the Potter and Triple S farms.

Sincerely

Billy Dunham

BEST MANAGEMENT PRACTICES FOR WOOD ASH USED AS AN AGRICULTURAL SOIL AMENDMENT BY CRAVEN AG SERVICES INC.

1. When ash is produced in industrial combustion systems, the temperature of combustion, cleanliness of the fuel wood, the collection location and the process can have profound effects on the nature of the ash material. Therefore, wood ash composition can be highly variable. This makes testing the wood ash very important. Therefore random samples of the wood ash being used will be sampled before being applied on farm land. This will give us a dependable data source to use in developing a nutrient plan.

2. Calcium is the most abundant element in wood ash and gives the ash properties that are similar to agricultural lime. Therefore, the limiting factor for land application in usually the Calcium Carbonate Equivalence (CCE). Ash is also a good source of potassium, phosphorus, magnesium, and aluminum. In terms of commercial fertilizer, average wood ash would probably be about 0-1-3 (N-P-K). In addition to these macronutrients, wood ash is also a good source of many micronutrients that are needed in trace amounts for adequate plant growth. Wood ash contains few elements that pose environmental problems. Heavy metal concentrations are typically low and not in a highly extractable or available form. Therefore, a waste management plan will be developed that address all nutrients that are available as well any accumulative metal precautions that should be addressed.

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* Soils will be sampled by the farmer or representatives of Craven Ag Services Inc.

* Waste Analysis will be taken monthly by Craven Ag Services, Inc to determine the nutrient and liming value of the ash.

* Annual metals testing will be done by the generator

* Using the waste analysis,a nutrient management plan will be developed by Craven Ag Services Inc for each farm.

4. Best Management Practices (BMP'S) for spreading wood ash shall be produced by Craven Ag Services Inc. They will include the following:

* Road maps showing the general location of the farm receiving the ash

* If any storage sites are set up on these farms they shall be located on the maps along with a BMP that covers all requirements set by the Department of Solid Waste. If it is to be a permanent storage site a permit will be gotten from the department of Solid Waste before storage begins.

*A nutrient plan shall be developed for each field and will include the following:

**Soil samples of each field

**Field maps of each field

**A Waste analysis of the ash to be applied

**The actual nutrient plan showing the tons of ash to be applied per acre to maintain the soil pH within the optimum range of the intended crop growth. Even though we cannot guarantee any nutrient value for the wood ash the plan will use the average wood ash analysis to show the nutrient value of the ash being applied to the field.

* Water protection practices will include:

**Erosion possibilities. If a field has a tolerance of less than 5 tons of soil erosion per year then it is considered as having no erosion problems. Wood ash will not be applied on any fields with a tolerance of more than 5 tons.

**Separation from surface waters...25 Ft buffer is required for storage and spreading.

** Separation from drainage ...5 ft buffer with no ash applied in any drainage structure

**Distance to groundwater..ash will not be applied on fields when the water table is less than 18" of the soil surface.

**Setbacks... 25 feet from property lines...100 feet from dwellings...50 feet from well.

5. Certification to ensure that annual pollutant loading rates and cumulative pollutant rates are consistent with 40 CFR part 503.13. This will be done be including a copy of Table 4 of 503.13 and Table 2 of 503.13. These tables (found in the MANAGEMENT OF WOODASH AS A SOIL AMENDMENT) will be accompanied by a copy of the latest NCDA waste analysis and the latest copy of the metals toxicity tests.

6. To control dust the wood ash will be spread at a moisture percentage of 35 to 40 percent.

7. Wood ash will always be covered during transport to prevent losses in route to the storage or application sites.

8. Litter spreaders will be used to spread the ash evenly over the fields. Spreaders will be calibrated to be sure they are applying the proper rates per acre.

9. Health considerations will be taken into account to prevent both particle inhalation and contact with the eyes and skin. (safety glasses, masks, etc.)

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WOOD ASH
METALS LOADING RATES

To address the issue of Annual and Cumulative Pollutant Loading Rates for land application I have taken the numbers from ash Metals Analysis and have converted them to lbs per ton of ash..

First I converted the mg/l to Mg/Kg by taking the average DM% of the NCDA Waste Analysis Report and dividing it into the mg/l value of each metal. Then converted the Mg/Kg into lbs per ton by multiplying by.002 (Per Dr. Rubin)converson factor. Then used the ALE liming factor from the NCDA Waste Analysis Report (average 6.5 to 1) to get the annual application rate of each metal on a per acre basis.

Metal	mg/l	mg/kg	lbs/ton	lbs/acre	Annual limit lbs/ac
Arsenic	.75	1.56	.003	.02	1.76
Barium	<10	20.8	.042	.27	NA
Cadmium	<.050	.105	.0002	.00013	1.67
Chromium	.35	.73	.0015	.010	132
Lead	<.50	1.04	.0021	.014	13.2
Mercury	<.010	.021	.00004	.0003	.99
Selenium	<.50	1.04	.0021	.014	4.4
Silver	<.10	.021	.00004	.003	N A

The amount per acre would change if we applied more or less than 6.5 tons of wood ash per acre. Our rate in 4 tons per acre average of ash application thus there is no over application of metals.

Billy Dunham

Billy Dunham

Accutest Laboratories Southeast, Inc.		Feb 28, 2012 09:19 am
Job Number:	**F90467**	
Account:	**Coastal Carolina Clean Power, LLC**	
Project:	**Coastal Carolina Clean Power LLC**	
Project Number:		
	Legend:	Hit
Client Sample ID:		**CCCP-FA-212**
Lab Sample ID:		**F90467-1**
Date Sampled:		**02/09/2012**
Matrix:		**Solid**
Metals Analysis		
Arsenic	mg/l	0.75
Barium	mg/l	<10
Cadmium	mg/l	<0.050
Chromium	mg/l	0.35
Lead	mg/l	<0.50
Mercury	mg/l	<0.010
Selenium	mg/l	<0.50
Silver	mg/l	<0.10

Johnny Smith Fax
910 298-4977

NUTRIENT PLAN FOR

DERRICK POTTER FARMS

POUNDS OF NUTRIENTS RECEIVED PER ACRE

AT 4 TONS PER ACRE

Sample	P	K	Mg	S	Fe	Z	Mn	Cu	B	ALE (LIME)
1	18	32	7	6	5	.5	.8	.19	.3	6.7
2	29	40	8	6	6	.9	.9	.3	.4	3.7
3	22	58	12	7	12	.7	1	.36	.3	6.1
4	26	71	11	9	9	.9	1.1	.4	.3	7.85
Average	22	53	10	7	8	.7	.9	1	.3	6.8
Adjusted	15	37	7	5	5.6	.49	.63	.70	.06	
@4 ton/ac	60	148	28	20	22	1.9	2.52	2.8	.24	.58 ton LIME

Sample 2 was an individual sample taken when Craven Wood Energy was burning very clean wood. Therefore it was left out of the averaging. Samples 1,3,&4 were composite samples taken at different locations in the storage pile AT DIFFERENT TIMES.

NCDA waste report notes that only 70-100 % of these nutrients may become available for the first crop. Therefore using 70% available the adjusted nutrient value is determined. Four ton of ash per acre will supply all necessary nutrients other than Nitrogen on the corn crop. The Cove City crop is corn and the New Ditch crop is soybeans

WOODASH PROGRAM

NUTRIENT PLAN

Less Wood Ash / Lime Application

GROWER: Triple S Farms 0

DATE 6/8/2013

	FARM	SMPL #	CROP	SOIL	LIME	WOOD ASH	N	P	K	Mg	Cu	Zn	B	Mn	S
(R*)	0.0	1.0	Bermuda	0.0	1.3		200.0	60.0	200.0	25.0	0.0	0.0	0.0	0.0	
(A*)						6.8	3.5	66.0	125.8	93.8	0.4	6.8	0.7	13.6	10.2
(N*)							196.5		74.2						
(R*)	0.0	2.0	Bermuda	0.0	1.7		200.0	110.0	190.0	25.0	0.0	0.0	0.0	0.0	
(A*)						8.9	4.6	86.3	164.7	122.8	0.5	8.9	0.9	17.8	13.4
(N*)							195.4	23.7	25.4						
(R*)	0.0	3.0	Bermuda	0.0	1.7		200.0	70.0	210.0	25.0	0.0	0.0	0.0	0.0	
(A*)						8.9	4.6	86.3	164.7	122.8	0.5	8.9	0.9	17.8	13.4
(N*)							195.4	[illegible]	45.4		[illegible]	[illegible]	[illegible]	[illegible]	
(R*)	0.0	1.0	MILLET	MIN	0.5		220.0	0.0	178.0	30.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.5	48.7	36.3	0.2	2.6	0.3	5.3	3.9
(N*)							218.6	[illegible]	129.3		[illegible]	[illegible]	[illegible]	[illegible]	
(R*)	J- NG	2.0	4.1	M-O	0.5		220.0	30.0	149.0	0.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6	4.8	100.9		[illegible]	[illegible]	[illegible]	[illegible]	
(R*)	J- BACK	J1	MILLET	MIN	0.5		220.0	0.0	170.0	30.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6	[illegible]	121.9		[illegible]	[illegible]	[illegible]	[illegible]	
(R*)	J-FRONT	J2	CORN	MIN	0.5		220.0	0.0	115.0	0.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6		66.9						
(R*)	0.0	E1	Bermuda	MIN	0.5		220.0	0.0	110.0	30.0	0.0	0.0	0.0	0.0	

(R*)Recommended by NCDA

(A*)Applied from Wood Ash

(N*)Nutrient Needs

WOODASH PROGRAM

	FARM	SMPL #	CROP	SOIL	LIME	WOOD ASH	N	P	K	Mg	Cu	Zn	B	Mn	S
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6		61.9						
""															
(R*)	0.0	R1	Bermuda	MIN	0.0		220.0	0.0	102.0	0.0	0.0	0.0	0.0	0.0	
(A*)						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(N*)							220.0	0.0	102.0		0.0	0.0	0.0	0.0	
""															
(R*)	0.0	R2	FESCUE	MIN	0.5		220.0	0.0	89.0	0.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6	25.2	40.9		0.2	2.6	0.3	5.2	
""															
(R*)	0.0	R3	MILLET	MIN	0.5		220.0	0.0	108.0	0.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6	25.2	59.9		0.2	2.6	0.3	5.2	
""															
(R*)	0.0	R4	Bermuda	MIN	0.5		220.0	0.0	201.0	0.0	0.0	0.0	0.0	0.0	
(A*)						2.6	1.4	25.2	48.1	35.9	0.2	2.6	0.3	5.2	3.9
(N*)							218.6	25.2	152.9		0.2	2.6	0.3	5.2	

(R*)Recommended by NCDA

(A*)Applied from Wood Ash

(N*)Nutrient Needs

DATE 6/8/2013

GROWER **Triple S Farms**

					(Amts. In T/A)		Supplemental Fertilizer From Wood Ash (Amts. In LBS/ACRE)							
FARM	**SMPL #**	**ACRES**	**NCDA LIME**	**WOOD ASH**	**TOTAL**	**N**	**P**	**K**	**Mg**	**Cu**	**Zn**	**B**	**Mn**	**S**
0.0	1.0	35.0	1.3	6.8	238.0	0.9	44.9	174.1	72.1	1.2	3.5	0.7	6.8	63.9
0.0	2.0	25.0	1.7	8.9	225.0	1.2	58.7	227.8	94.3	1.6	4.5	1.0	8.9	83.7
0.0	3.0	35.0	1.7	8.9	311.5	1.2	58.7	227.8	94.3	1.6	4.5	1.0	8.9	83.7
0.0	1.0	15.5	0.5	2.6	40.3	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
J- NG	2.0	4.9	0.5	2.6	12.7	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
J- BACK	J1	6.1	0.5	2.6	15.8	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
J-FRONT	J2	10.9	0.5	2.6	28.4	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
0.0	E1	10.9	0.5	2.6	28.4	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
0.0	R1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	R2	3.3	0.5	2.6	8.6	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
0.0	R3	11.2	0.5	2.6	29.0	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
0.0	R4	4.9	0.5	2.6	12.8	0.3	17.2	66.6	27.6	0.5	1.3	0.3	2.6	24.4
TOTAL	ACRES	166.8		ASH	950.5									

NCDA&CS Agronomic Division Phone: (919) 733-2655 Website: www.ncagr.gov/agronomi/ Report No. FY13-SL027659

Predictive

Soil Report

Mehlich-3 Extraction

4T/acre

Client: Triple S Farms & Cleaning Inc.
Attn: Eric/Johnnie Smith
PO Box 709
Beulaville, NC 28518

Advisor:

County: Duplin

Farm: Magnolia

Sampled: 12/12/2012 Received: 02/22/2013 Completed: 02/22/2013

Links to Helpful Information

Agronomist's Comments:

ATTENTION: This report was flagged with a "C" and/or "Z" to alert you that copper and/or zinc have accumulated in the soil and are approaching a level that could be detrimental to crop production. The C and Z symbols are printed on your report for soil test index levels of 2000 or more; for peanuts with zinc, the level is 300. This note is designed to be a "trigger" that allows enough time to either reduce the rate of application or find another field for application of biosolids and/or waste water. The CTL (critical toxic level) for Cu & Zn has been set at 3000 index; for peanuts with zinc, the level is 500. These levels are used by DENR as a benchmark to determine when application of waste products should be stopped. The CTL for copper and zinc was set to prevent levels from accumulating to the point where they become toxic to crops grown on a field.

Sample ID: 001

Lime History: 35 acres

Recommendations: Crop	Lime (tons/acre)	N	P_2O_5	K_2O	Mg	S	Mn	Zn	Cu	B	More Information
		Nutrients (lb/acre)									
1 - Berm Hay/Pas,M	1.3	180-220	60	200	25	0	0	Z	0	0	Note: 12 Note: $
2 - Small Grains	0.0	80-100	60	110	$	0	$pH	Z	0	0	Note: 3 Note: $

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO_3-N in mg/dm³]: Soil Class: Mineral

HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO_3-N
1.08	1.24	5.4	59	2.2	5.2	32	16	52	6	51	21	30	23	2325	2325	65	0.1	330		

Sample ID: 002

Lime History: 25 acres

Recommendations: Crop	Lime (tons/acre)	N	P_2O_5	K_2O	Mg	S	Mn	Zn	Cu	B	More Information
		Nutrients (lb/acre)									
1 - Berm Hay/Pas,M	1.7	180-220	110	190	25	0	$	0	0	0	Note: 12 Note: $
2 - Small Grains	0.0	80-100	110	100	$	0	10	0	0	0	Note: 3 Note: $

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO_3-N in mg/dm³]: Soil Class: Mineral

HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO_3-N
1.08	1.24	4.7	46	2.5	4.7	13	21	36	8	43	13	25	18	812	812	32	0.1	2		

Sample ID: 003

Lime History: 35 acres

Recommendations: Crop	Lime (tons/acre)	N	P_2O_5	K_2O	Mg	S	Mn	Zn	Cu	B	More Information
		Nutrients (lb/acre)									
1 - Berm Hay/Pas,M	1.7	180-220	70	210	25	0	0	0	0	0	Note: 12
2 - Small Grains	0.0	80-100	70	120	$	0	$pH	0	0	0	Note: 3 Note: $

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO_3-N in mg/dm³]: Soil Class: Mineral

HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO_3-N
1.43	1.22	4.8	46	2.6	4.8	29	12	39	6	70	15	26	19	468	468	37	0.1	2		

North Carolina

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

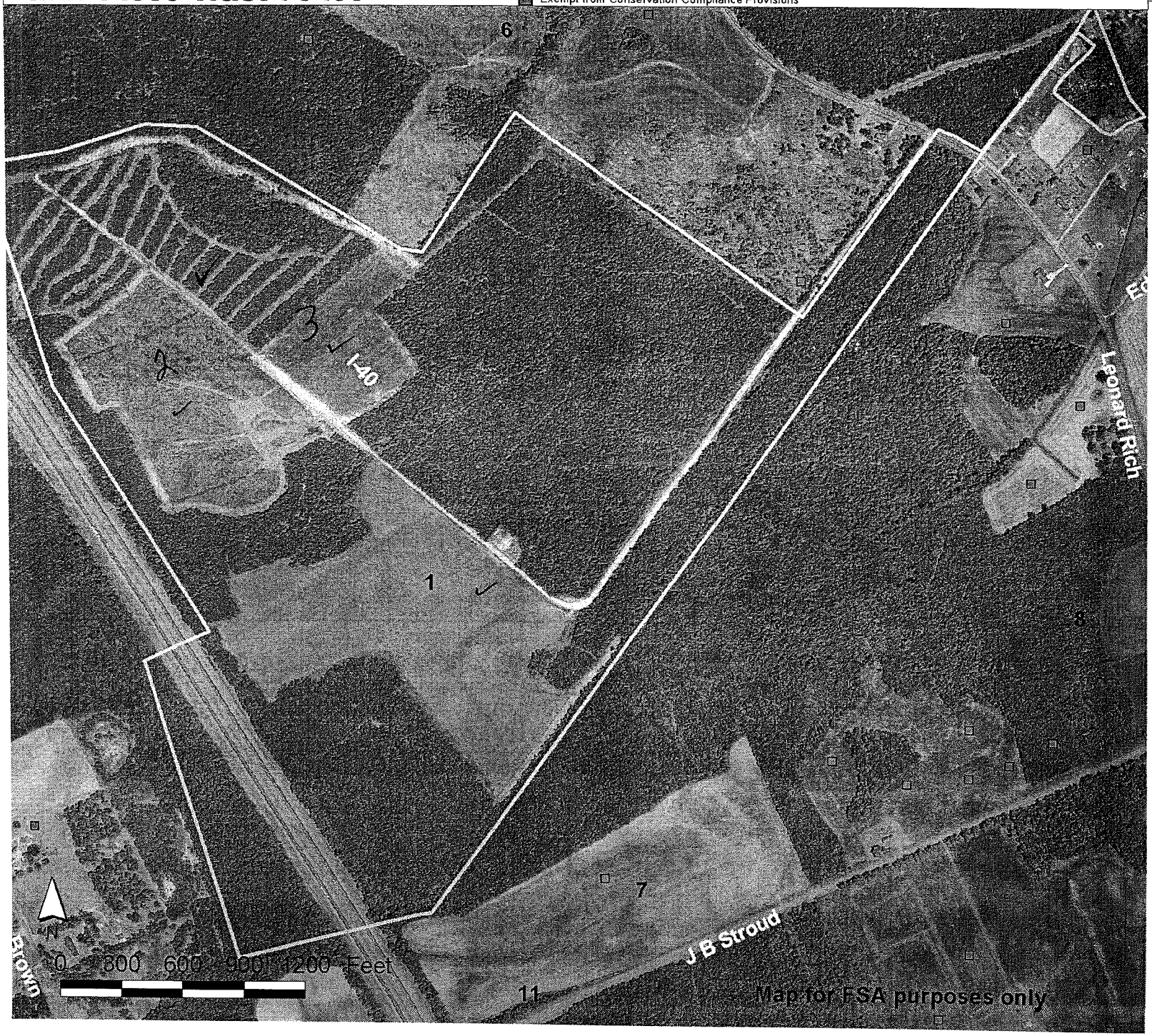
Thank you for using agronomic services to manage nutrients and safeguard environmental quality.

- *Steve Troxler, Commissioner of Agriculture*

Duplin County FSA
Farm 14066 Tract 73400

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Fld	Acres	Crop	HEL	CRP
1	35	Bermuda on small grain		
2	25	"		
3	35	"		

Total Cropland Acres
0.0

DIXIE FERT CO/HARVEY FERTILIZER &
DEWEY HOUSTON
1060 S NC 41 & 111
BEULAVILLE NC 28518

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Report No : 13-100-0555 *Grower ID :* *Farm ID :* *Submitted By:* D HOUSTON

Grower Name : TRIPLE S FARMS

Field ID	Lab No	Sample No	Soil Class	HM%	ENR	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	Zn-I	Mn-I	Zn-Al	Cu-I	S-I	SS-I	NO_3N	NH_4N	Na%
	15764	1-1 J-New Ground	MIN	1.9	84	3	77.3	0.7	5.6	111	24	57.8	15.6									
MnAl(1) MnAl(2) Last Crop millet			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
15.7 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1000	220	0	178	30										
	15765	2-2 Johnnie Costal	M-O	4.7	136	5.8	77.2	1.4	5.6	52	35	61.1	13.1									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
4.89 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1000	220	30	149	0										
	15766	J-1 Jan Back Millet	MIN	1.6	79	2.3	75.2	0.6	5.5	103	27	51.3	18.1									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
6.08 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1000	220	0	170	30										
	15767	J-2 Jan Front	MIN	1.2	69	3.3	69.5	1.0	5.3	151	49	45.8	16.2									
MnAl(1) MnAl(2) Last Crop corn			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
10.91 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1077	220	0	115	0										
	15768	E-1 Costal	MIN	1.8	82	2.9	76.4	0.7	5.6	119	51	52.1	15.5									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
10.9 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1000	220	0	110	30										
	15769	E-2 millet	MIN	3.3	108	5.5	62.7	2.1	5.1	59	34	48.5	11.1									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
			1st Crop: Bermuda, Coastal			LB/ACRE		2520	220	10	151	0										
	15771	R-1 Costal	MIN	1.9	79	6.2	87.9	0.8	6.2	408	55	63.5	20									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
4.14 acres			1st Crop: Bermuda, Coastal			LB/ACRE		0	220	0	102	0										
	15772	R-2 Fescue	MIN	3	97	8.8	84.8	1.4	6	227	61	68.2	13.1									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
3.29 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1000	220	0	89	0										
	15773	R-3 Millet	MIN	2.1	85	5.2	84.6	0.8	6	277	52	61.5	18.1									
MnAl(1) MnAl(2) Last Crop			Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
11.15 acres			1st Crop: Bermuda, Coastal			LB/ACRE		1000	220	0	108	0										

rth Carolina Division of Water Quality Certification # 415
alysis and fertility recommendations shown on this report are performed in accordance within NCDA guidelines.
alysis prepared by: A&L Eastern Laboratories, Inc.

DIXIE FERT CO/HARVEY FERTILIZER &
DEWEY HOUSTON
1060 S NC 41 & 111
BEULAVILLE NC 28518

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Report No : 13-100-0555 *Grower ID :* *Farm ID :* *Submitted By:* D HOUSTON

Grower Name : TRIPLE S FARMS

Field ID	Lab No	Sample No		Soil Class	HM%	ENR	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	Zn-I	Mn-I	Zn-AI	Cu-I	S-I	SS-I	NO_3N	NH_4N	Na%
	15774	R-4	costal	MIN	1.8	79	4.6	79.4	1.0	5.7	281	16	60.3	17.4									

MnAI(1)	MnAI(2)	Last Crop	Crop	Rec Uom	Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn
		4.93 acres	1st Crop: Bermuda, Coastal	LB/ACRE	1000	220	0	201	0					

Comment:

Crop Name: Bermuda, Coastal

Apply additional 65 pounds of nitrogen after every cutting and harvest of hay.

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

f dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

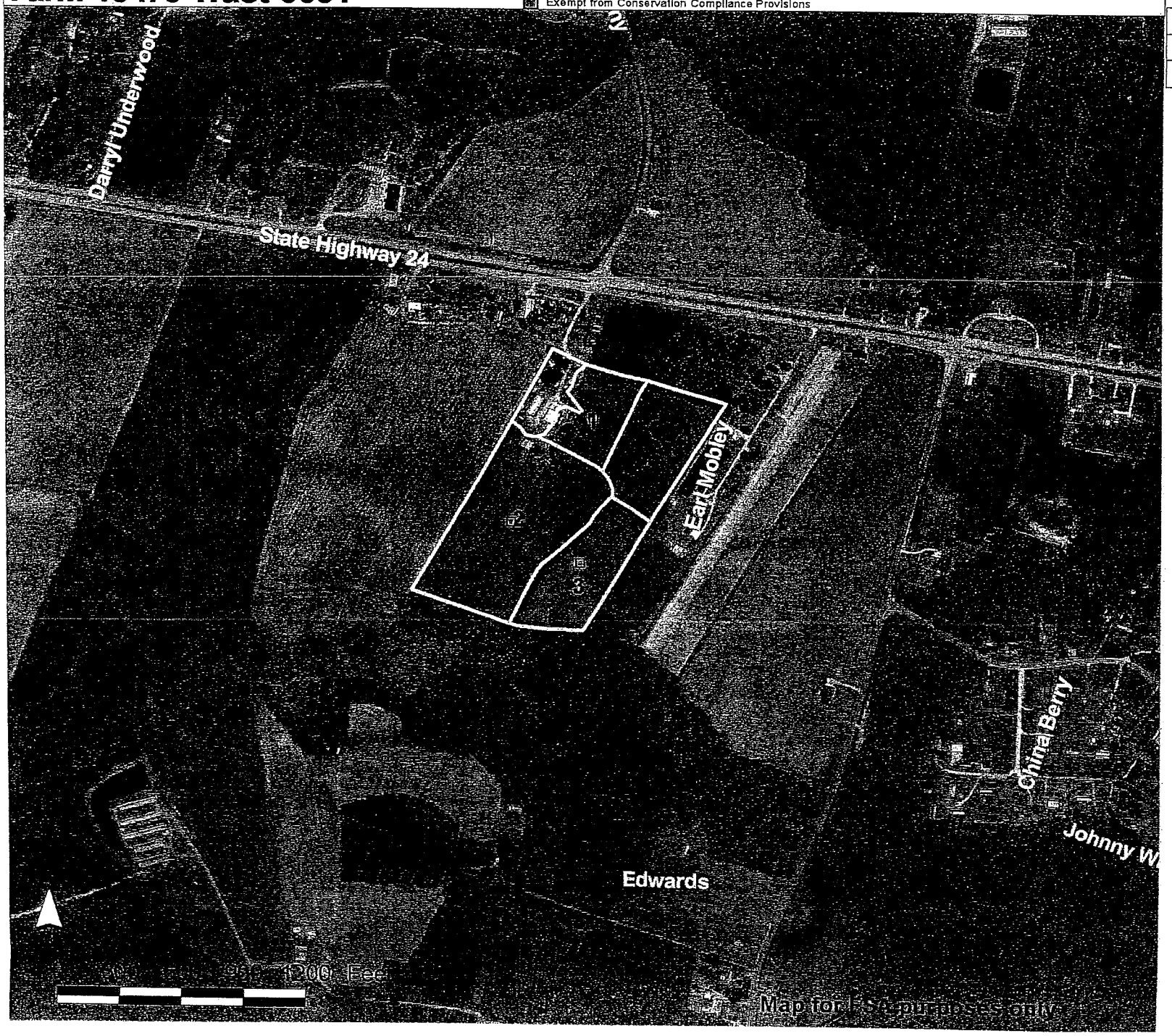
Use K-Mag as part of the potassium source to increase magnesium level

JOHNNIE	#1	
"	#2	NEW GROUND
JAN	#1J	BACK
"	#2J	FRONT
RAY	#1R	FRONT
"	#2R	MIDEL
"	#3R	BACKFIELD
"	#4R	COASTAL
ERIC	#1E	COSTAL
"	#2E	BACKFIELD

Duplin County FSA
Farm 13470 Tract 6631

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Grazing

Fld	Acres	Crop	HEL	CRP
1	3.29	~~Coastal~~	N	Fesc
2	11.15	Millet	N	
3	4.93	~~Fescue~~	N	Coasl

Lab 15772
Lab 15773
Lab 15774

Ray Smith

Field 1 - R2
Field 2 - R3
Field 3 - R4

Total Cropland Acres
19.4

Duplin County FSA
Farm 15097 Tract 4957

Wetland Determination Identifiers
- Restricted Use
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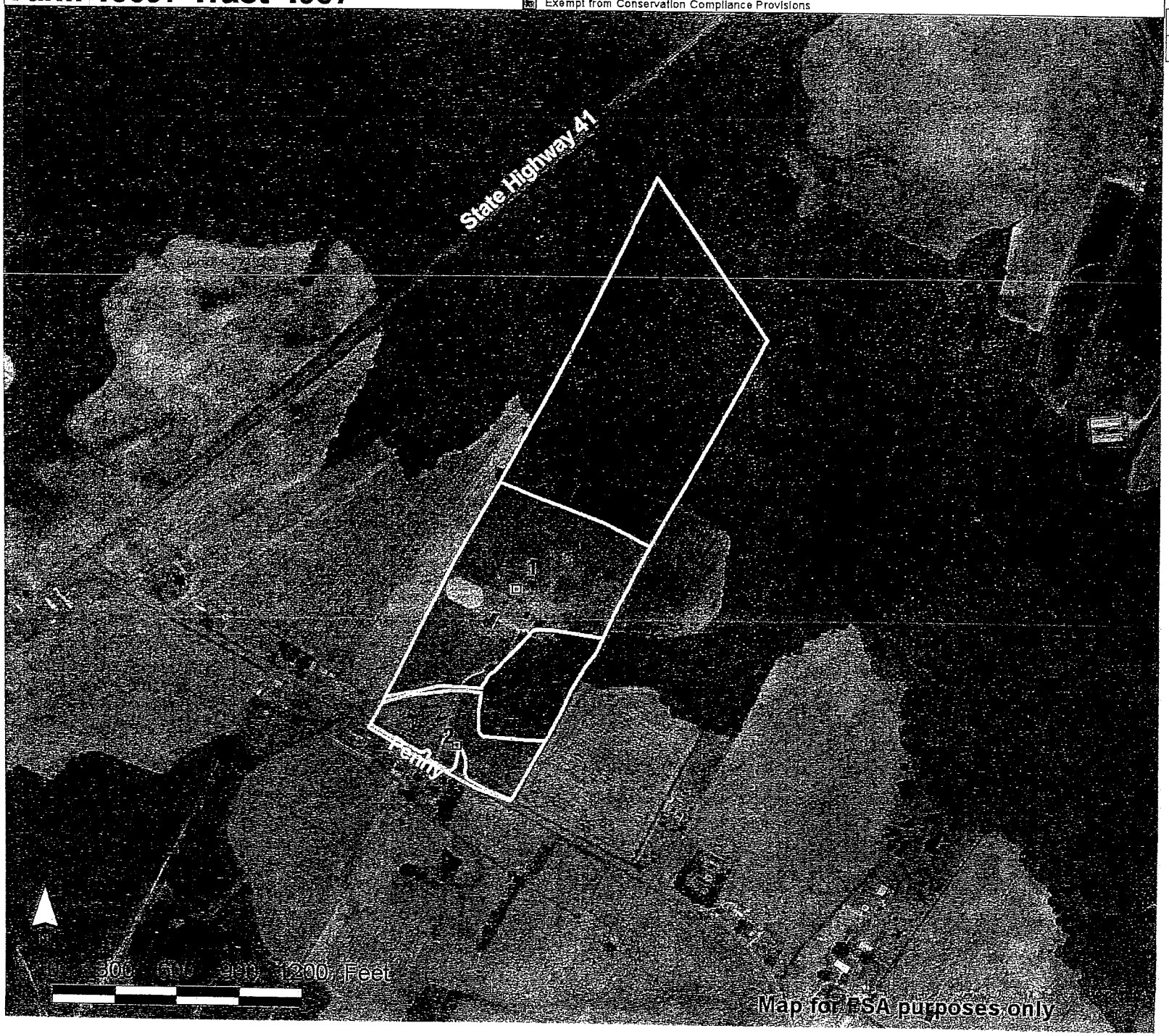
Fld	Acres	Crop	HEL	CRP
1	15.55	Costal	N	grass
2	4.89	Costal	N	grass



Lab #
15764
15765

Johnnie Smith

Sludge Sample
10.00 LB

Total Cropland Acres
20.4

Duplin County FSA
Farm 14864 Tract 4991

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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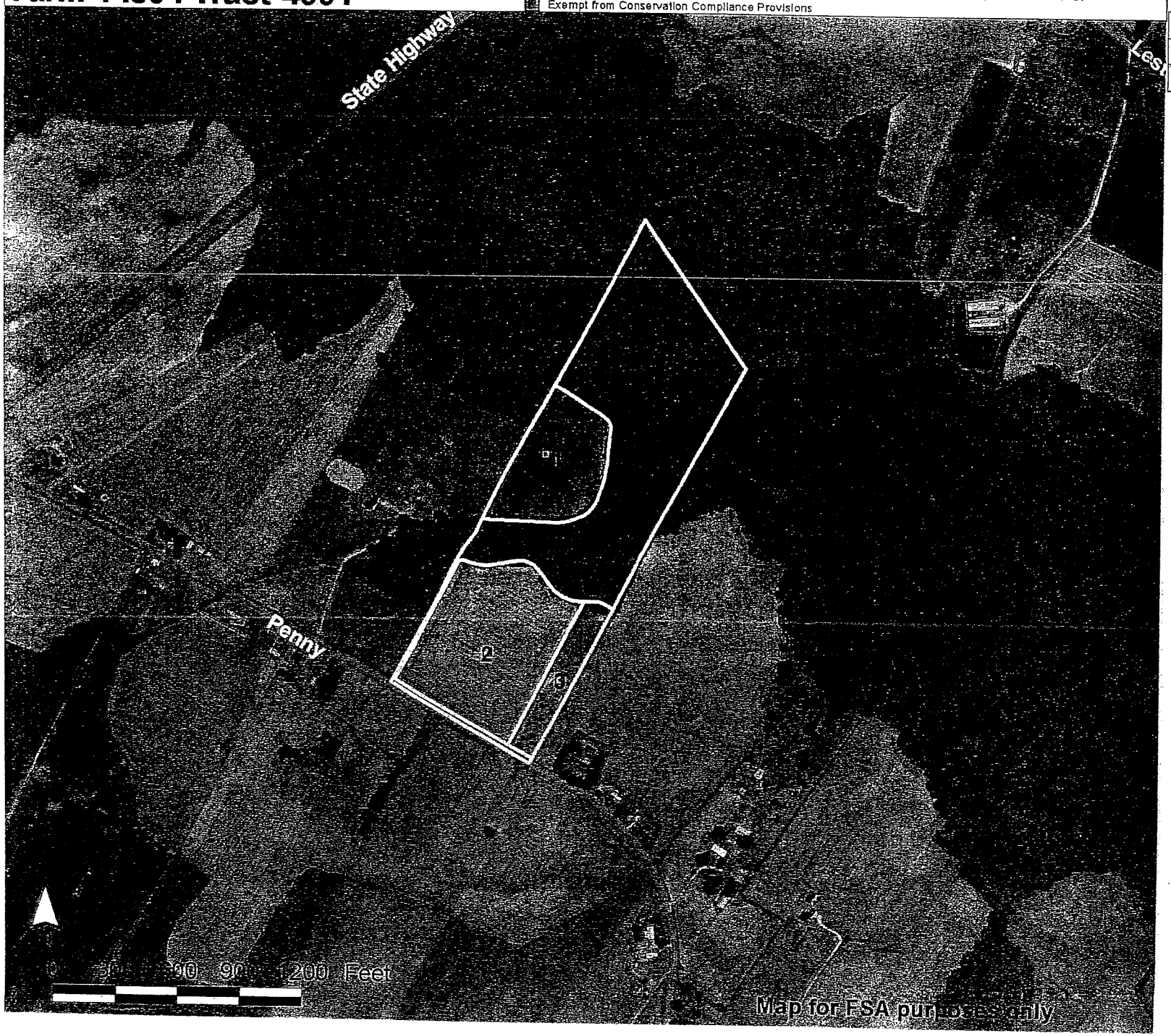

Fld	Acres	Crop	HEL	CRP
1	6.08	Millet	N	
2	10.91	Corn	N	
~~3~~	~~2.54~~		~~N~~	

Lab
15766
15767

Aunt
Jan

Field 2 J-2
Field 1 J-1

Total Cropland Acres
19.5

Duplin County FSA
Farm 13470 Tract 6623

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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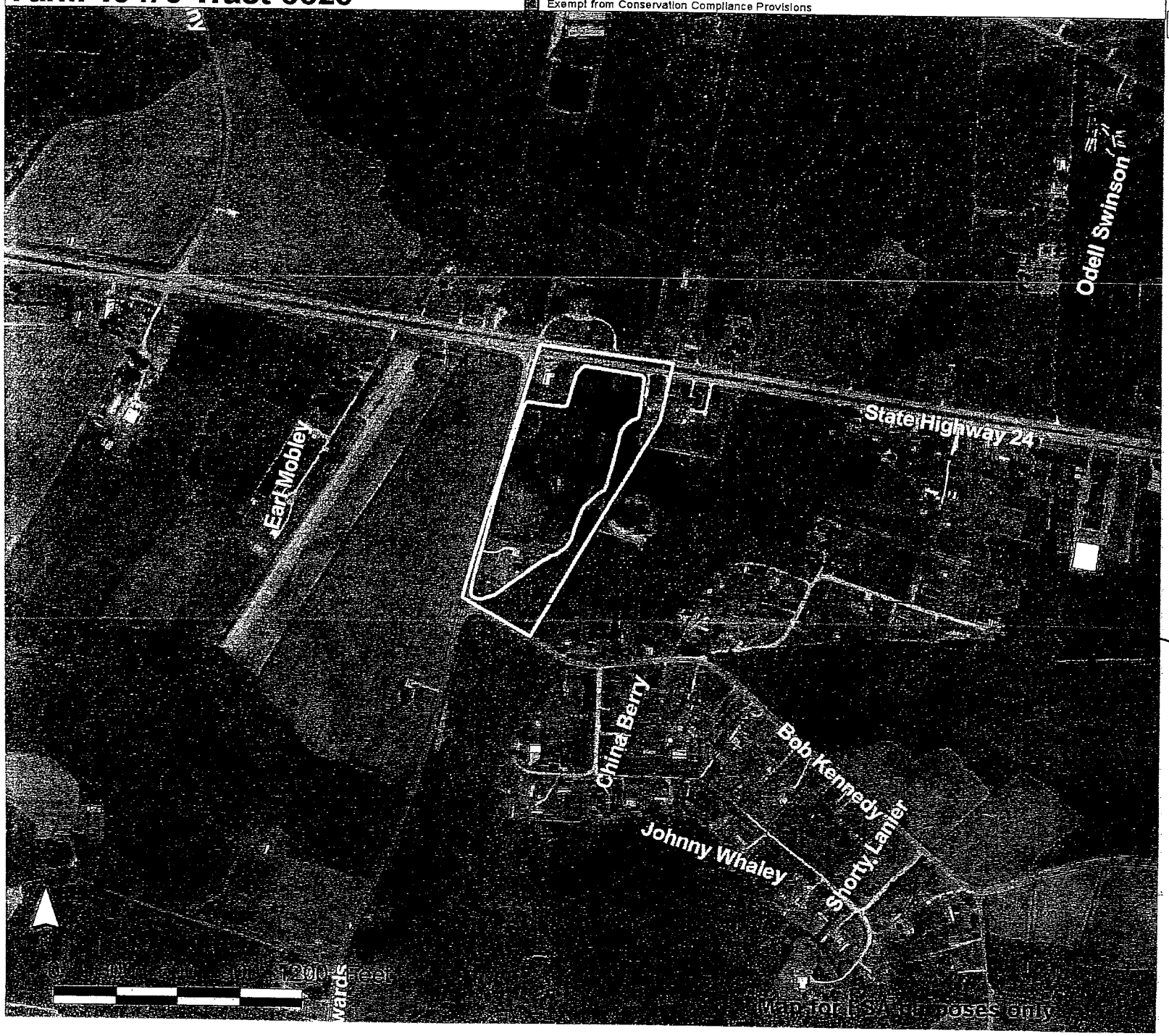

Fld	Acres	Crop	HEL	CRP
1	10.90	Costal	N	grazi

Eric's

Lab
15768
15769
E 1

cleared - millet
E 2

Total Cropland Acres
10.9

Duplin County FSA
Farm 13470 Tract 6622

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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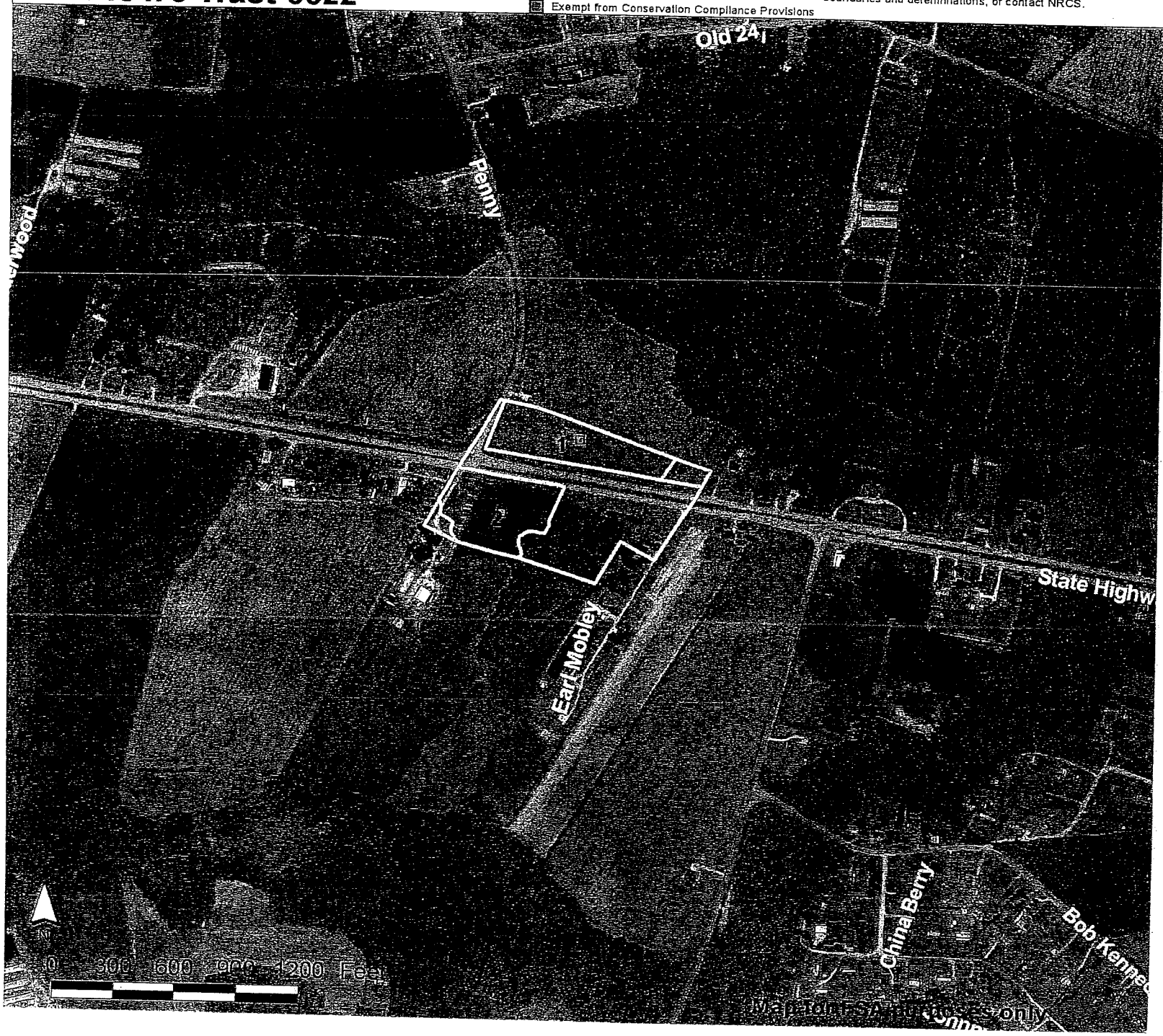

Fld	Acres	Crop	HEI	CRP
1	4.11	Corn	N	
2	4.17	Costal	N	graz

Mrs. Effie's

Lab 15771

Field 2 - R1

Total Cropland Acres
8.3

NCDA&CS Agronomic Division Phone: (919) 733-2655 Website: www.ncagr.gov/agronomi/ Report No. FY13-SL027659

Predictive

Soil Report

Mehlich-3 Extraction

HT /acre

Client: Triple S Farms & Cleaning Inc.
Attn: Eric/Johnnie Smith
PO Box 709
Beulaville, NC 28518

County: Duplin

Farm: Magnolia

Advisor:

Links to Helpful Information

Sampled: 12/12/2012 Received: 02/22/2013 Completed: 02/22/2013

Agronomist's Comments:

ATTENTION: This report was flagged with a "C" and/or "Z" to alert you that copper and/or zinc have accumulated in the soil and are approaching a level that could be detrimental to crop production. The C and Z symbols are printed on your report for soil test index levels of 2000 or more; for peanuts with zinc, the level is 300. This note is designed to be a "trigger" that allows enough time to either reduce the rate of application or find another field for application of biosolids and/or waste water. The CTL (critical toxic level) for Cu & Zn has been set at 3000 index; for peanuts with zinc, the level is 500. These levels are used by DENR as a benchmark to determine when application of waste products should be stopped. The CTL for copper and zinc was set to prevent levels from accumulating to the point where they become toxic to crops grown on a field.

Sample ID: 001

Lime History: 35 acres

Recommendations: Crop	Lime (tons/acre)	N	P_2O_5	K_2O	Mg	S	Mn	Zn	Cu	B	More Information
		Nutrients (lb/acre)									
1 - Berm Hay/Pas,M	1.3	180-220	60	200	25	0	0	Z	0	0	Note: 12 Note: $
2 - Small Grains	0.0	80-100	60	110	$	0	$pH	Z	0	0	Note: 3 Note: $

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO_3-N in mg/dm³]: **Soil Class:** Mineral

HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO_3-N
1.08	1.24	5.4	59	2.2	5.2	32	16	52	6	51	21	30	23	2325	2325	65	0.1	330		

Sample ID: 002

Lime History: 25 acres

Recommendations: Crop	Lime (tons/acre)	N	P_2O_5	K_2O	Mg	S	Mn	Zn	Cu	B	More Information
		Nutrients (lb/acre)									
1 - Berm Hay/Pas,M	1.7	180-220	110	190	25	0	$	0	0	0	Note: 12 Note: $
2 - Small Grains	0.0	80-100	110	100	$	0	10	0	0	0	Note: 3 Note: $

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO_3-N in mg/dm³]: **Soil Class:** Mineral

HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO_3-N
1.08	1.24	4.7	46	2.5	4.7	13	21	36	8	43	13	25	18	812	812	32	0.1	2		

Sample ID: 003

Lime History: 35 acres

Recommendations: Crop	Lime (tons/acre)	N	P_2O_5	K_2O	Mg	S	Mn	Zn	Cu	B	More Information
		Nutrients (lb/acre)									
1 - Berm Hay/Pas,M	1.7	180-220	70	210	25	0	0	0	0	0	Note: 12
2 - Small Grains	0.0	80-100	70	120	$	0	$pH	0	0	0	Note: 3 Note: $

Test Results [units - W/V in g/cm³; CEC and Na in meq/100 cm³; NO_3-N in mg/dm³]: **Soil Class:** Mineral

HM%	W/V	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	S-I	Mn-I	Mn-AI1	Mn-AI2	Zn-I	Zn-AI	Cu-I	Na	ESP	SS-I	NO_3-N
1.43	1.22	4.8	46	2.6	4.8	29	12	39	6	70	15	26	19	468	468	37	0.1	2		

North Carolina

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- *Steve Troxler, Commissioner of Agriculture*

DIXIE FERT CO/HARVEY FERTILIZER &
DEWEY HOUSTON
1060 S NC 41 & 111
BEULAVILLE NC 28518

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Report No : 13-100-0555 *Grower ID :* *Farm ID :* *Submitted By:* D HOUSTON

Grower Name : TRIPLE S FARMS

Field ID	Lab No	Sample No	Soil Class	HM%	ENR	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	Zn-I	Mn-I	Zn-Al	Cu-I	S-I	SS-I	NO_3N	NH_4N	Na%
	15764	1-1 J-New Ground	MIN	1.9	84	3	77.3	0.7	5.6	111	24	57.8	15.6									
MnAl(1) MnAl(2)	Last Crop	millet	Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
15.5 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1000	220	0	178	30										
	15765	2-2 Johnnie	M-O	4.7	136	5.8	77.2	1.4	5.6	52	35	61.1	13.1									
MnAl(1) MnAl(2)	Last Crop	Costal	Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
4.89 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1000	220	30	149	0										
	15766	J-1 Jan Back	MIN	1.6	79	2.3	75.2	0.6	5.5	103	27	51.3	18.1									
MnAl(1) MnAl(2)	Last Crop	millet	Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
6.08 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1000	220	0	170	30										
	15767	J-2 Jan Front	MIN	1.2	69	3.3	69.5	1.0	5.3	151	49	45.8	16.2									
MnAl(1) MnAl(2)	Last Crop	corn	Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
10.91 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1077	220	0	115	0										
	15768	E-1 Costal	MIN	1.8	82	2.9	76.4	0.7	5.6	119	51	52.1	15.5									
MnAl(1) MnAl(2)	Last Crop		Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
10.9 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1000	220	0	110	30										
	15769	E-2 millet	MIN	3.3	108	5.5	62.7	2.1	5.1	59	34	48.5	11.1									
MnAl(1) MnAl(2)	Last Crop		Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
			1st Crop:	Bermuda, Coastal		LB/ACRE		2520	220	10	151	0										
	15771	R-1 Costal	MIN	1.9	79	6.2	87.9	0.8	6.2	408	55	63.5	20									
MnAl(1) MnAl(2)	Last Crop		Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
4.14 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		0	220	0	102	0										
	15772	R-2 Fescue	MIN	3	97	8.8	84.8	1.4	6	227	61	68.2	13.1									
MnAl(1) MnAl(2)	Last Crop		Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
3.29 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1000	220	0	89	0										
	15773	R-3 millet	MIN	2.1	85	5.2	84.6	0.8	6	277	52	61.5	18.1									
MnAl(1) MnAl(2)	Last Crop		Crop			Rec Uom		Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn					
11.15 ac			1st Crop:	Bermuda, Coastal		LB/ACRE		1000	220	0	108	0										

North Carolina Division of Water Quality Certification # 415
Analysis and fertility recommendations shown on this report are performed in accordance within NCDA guidelines.
Analysis prepared by: A&L Eastern Laboratories, Inc.

DIXIE FERT CO/HARVEY FERTILIZER &
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Report No : 13-100-0555 *Grower ID :* *Farm ID :* *Submitted By:* D HOUSTON

Grower Name : TRIPLE S FARMS

Field ID	Lab No	Sample No	Soil Class	HM%	ENR	CEC	BS%	Ac	pH	P-I	K-I	Ca%	Mg%	Zn-I	Mn-I	Zn-Al	Cu-I	S-I	SS-I	NO_3N	NH_4N	Na%
	15774	R-4 costal	MIN	1.8	79	4.6	79.4	1.0	5.7	281	16	60.3	17.4									

MnAl(1)	MnAl(2)	Last Crop	Crop	Rec Uom	Lime	N	P_2O_5	K_2O	Mg	S	Cu	Zn	B	Mn
	4.93ac		1st Crop: Bermuda, Coastal	LB/ACRE	1000	220	0	201	0					

Comment:

Crop Name: Bermuda, Coastal

Apply additional 65 pounds of nitrogen after every cutting and harvest of hay.

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

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Use K-Mag as part of the potassium source to increase magnesium level

Duplin County FSA
Farm 14066 Tract 73400

Wetland Determination Identifiers
- Restricted Use
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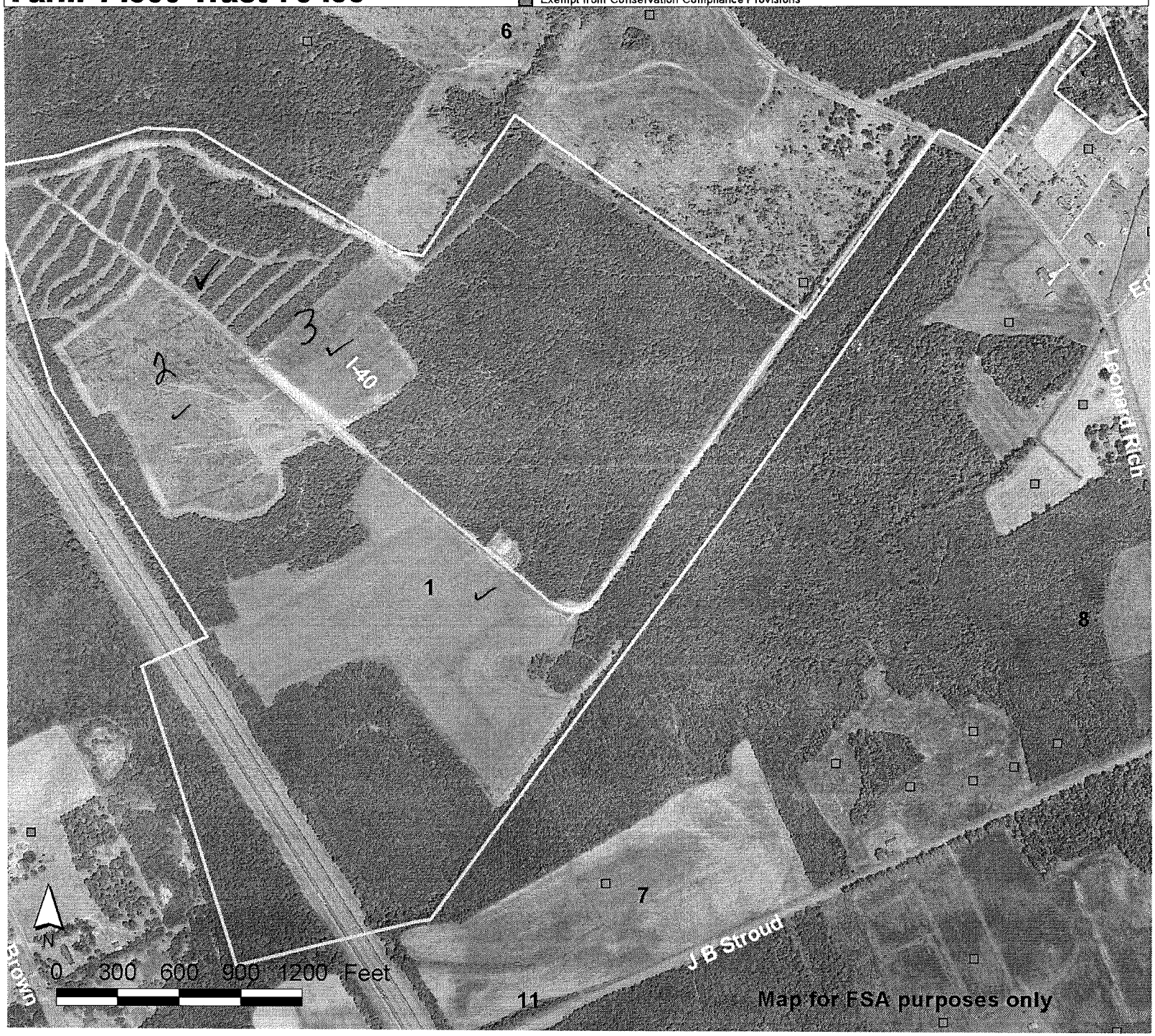

Tract	Acres	Crop	HEL	CRP
1	3.5	Coastal Bermuda on small grain		
2	2.5			
3	3.5			

Total Cropland Acres
0.0

JOHNNIE	#1	
"	#2	NEW GROUND
JAN	#1J	BACK
"	#2J	FRONT
RAY	#1R	FRONT
"	#2R	MIDEL
"	#3R	BACKFIELD
"	#4R	COASTAL
ERIC	#1E	COSTAL
"	#2E	BACKFIELD

Duplin County FSA
Farm 15097 Tract 4957

Wetland Determination Identifiers
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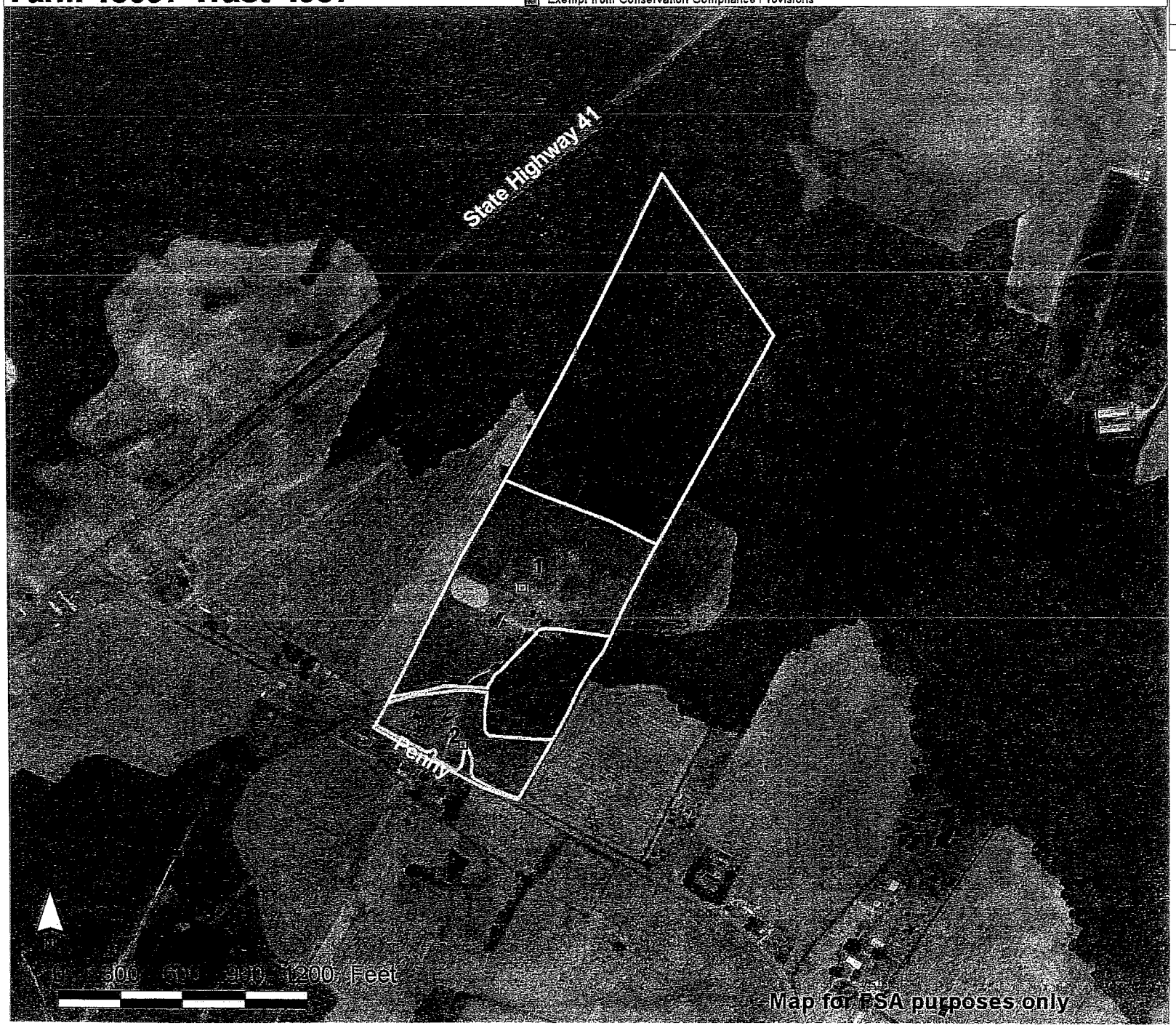
Fld	Acres	Crop	HEL	CRP
1	15.55	Costal	N	grazing
2	4.89	Costal	N	grazing



Lab #
15764
15765

Johnnie Smith

Sludge Sample
10.00 LB

Total Cropland Acres
20.4

Duplin County FSA
Farm 14864 Tract 4991

Wetland Determination Identifiers
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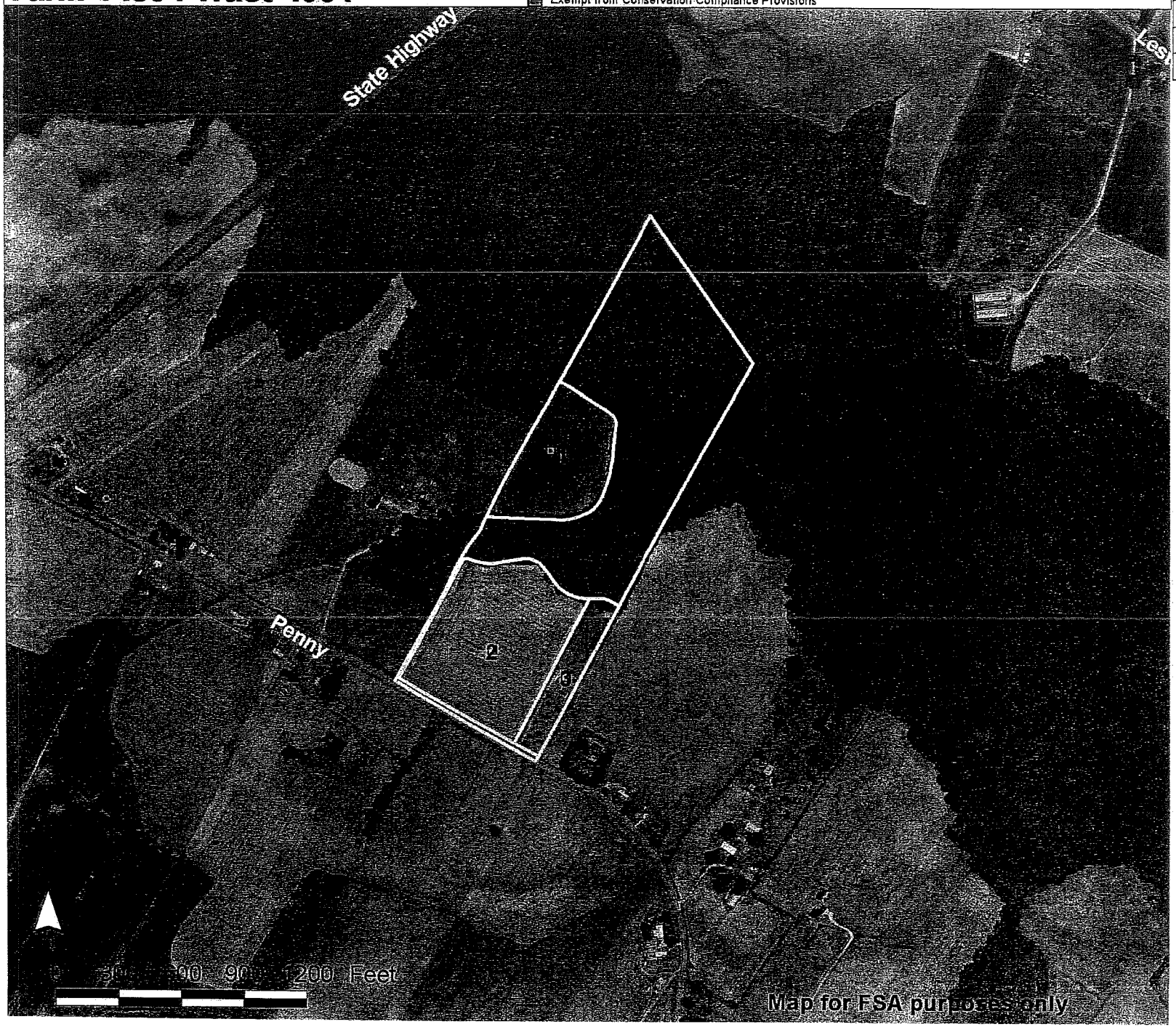
Fld	Acres	Crop	HEL	CRP
1	6.08	Millet	N	
2	10.91	Corn	N	
~~3~~	~~2.54~~		~~N~~	



Lab
15766
15767

Aunt
Jan

Field 2 J-2
Field 1 J-1

Total Cropland Acres
19.5

Duplin County FSA
Farm 13470 Tract 6623

Wetland Determination Identifiers
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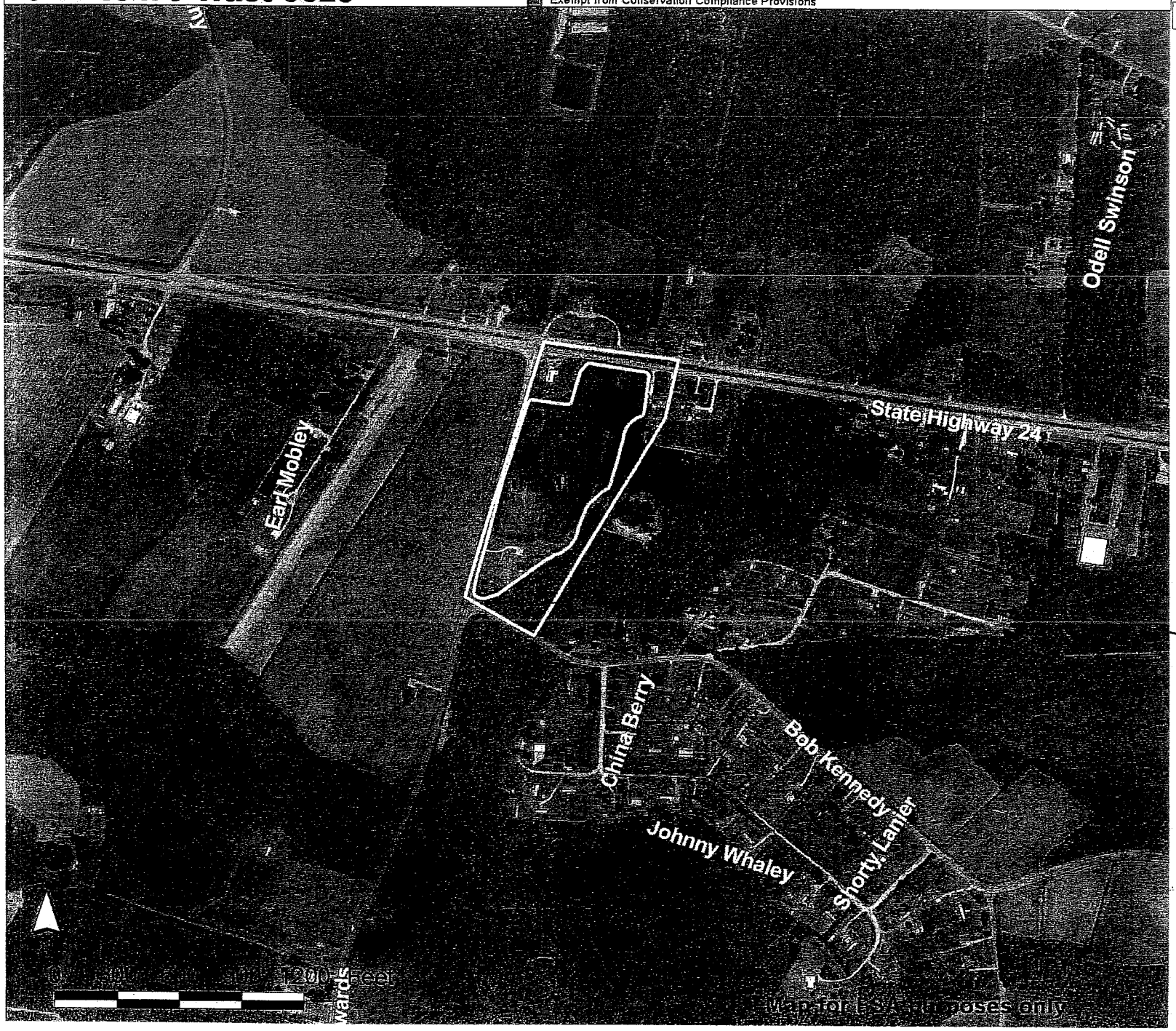
Fld	Acres	Crop	HEL	CRP
1	10.90	Costal	N	grazing



Eric's

Lab
15768
15769
E 1

cleared - millet
E 2

Total Cropland Acres
10.9

Duplin County FSA
Farm 13470 Tract 6622

Wetland Determination Identifiers
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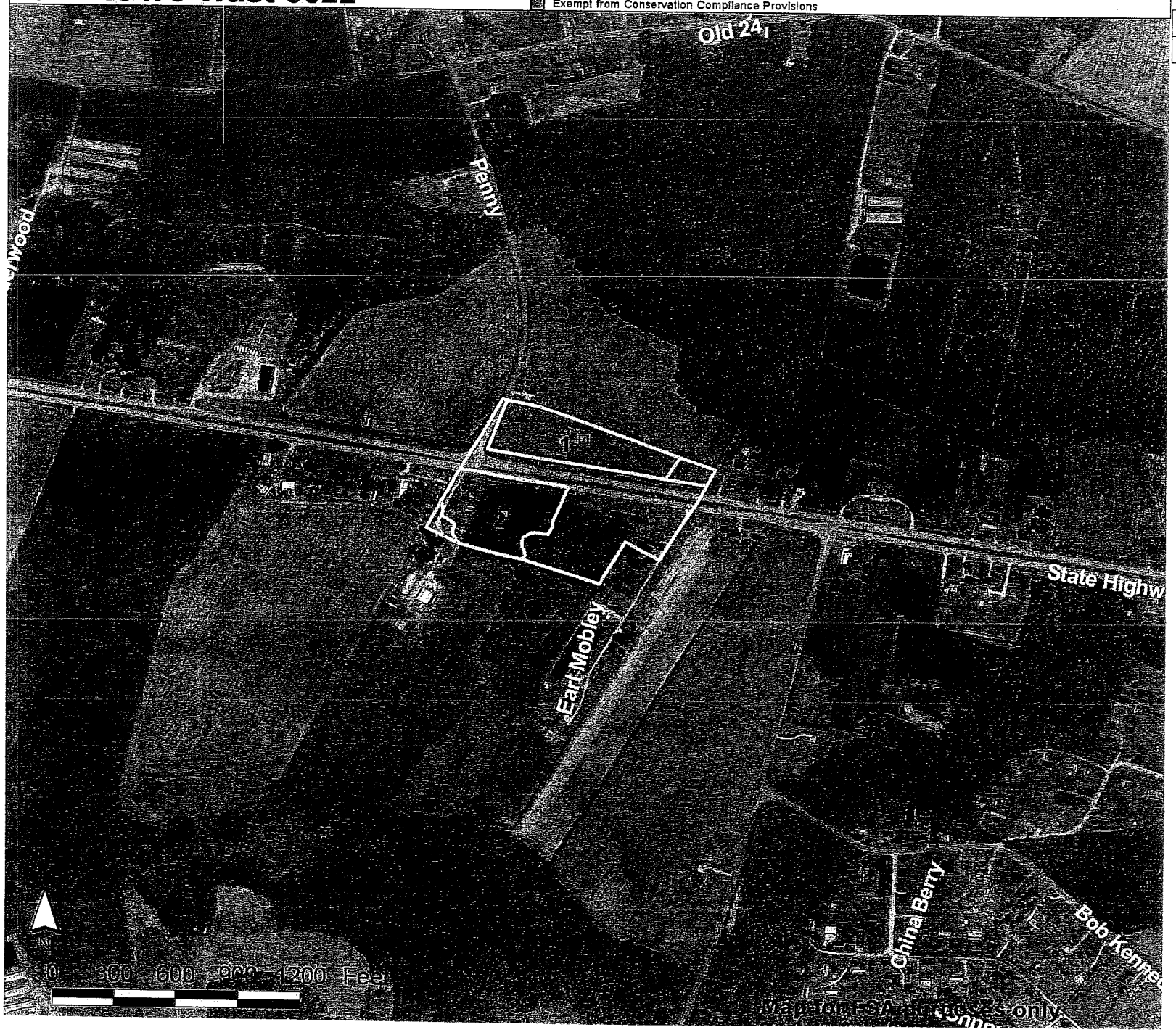

Fld	Acres	Crop	HEL	CRP
1	4.11	Corn	N	
2	4.17	Costal	N	grazing

Mrs. Effie's

Lab 15771

Field 2 - R1

Total Cropland Acres
8.3

Duplin County FSA
Farm 13470 Tract 6631

Wetland Determination Identifiers
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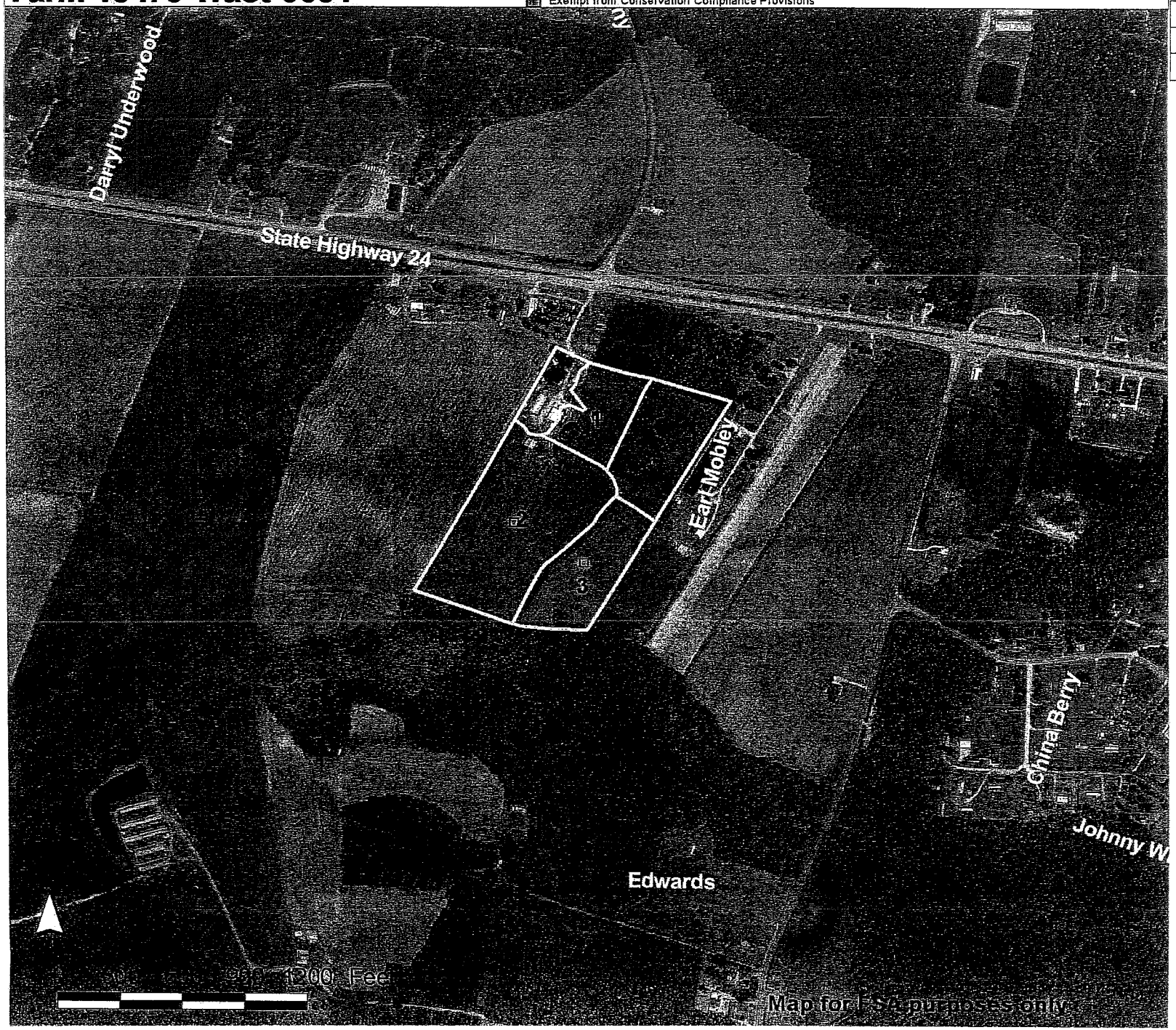

Grazing

Fld	Acres	Crop	HEL	CRP
1	3.29	~~Coastal~~ N		Fescue
2	11.15	Millet N		
3	4.93	~~Fescue~~ N		Coastal

Lab 15772
Lab 15773
Lab 15774

Ray Smith

Field 1 - R2
Field 2 - R3
Field 3 - R4

Total Cropland Acres
19.4

Duplin County FSA
Farm 14066 Tract 73400

Wetland Determination Identifiers
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Fld	Acres	Crop	HEL	CRP
1	35	Coastal Bermuda as small gr		
2	25			
3	35			

Total Cropland Acres
0.0

JOHNNIE #1
" #2 NEW GROUND
JAN #1J BACK
" #2J FRONT
RAY #1R FRONT
" #2R MIDEL
" #3R BACKFIELD
" #4R COASTAL
ERIC #1E COSTAL
" #2E BACKFIELD

Duplin County FSA
Farm 15097 Tract 4957

Wetland Determination Identifiers
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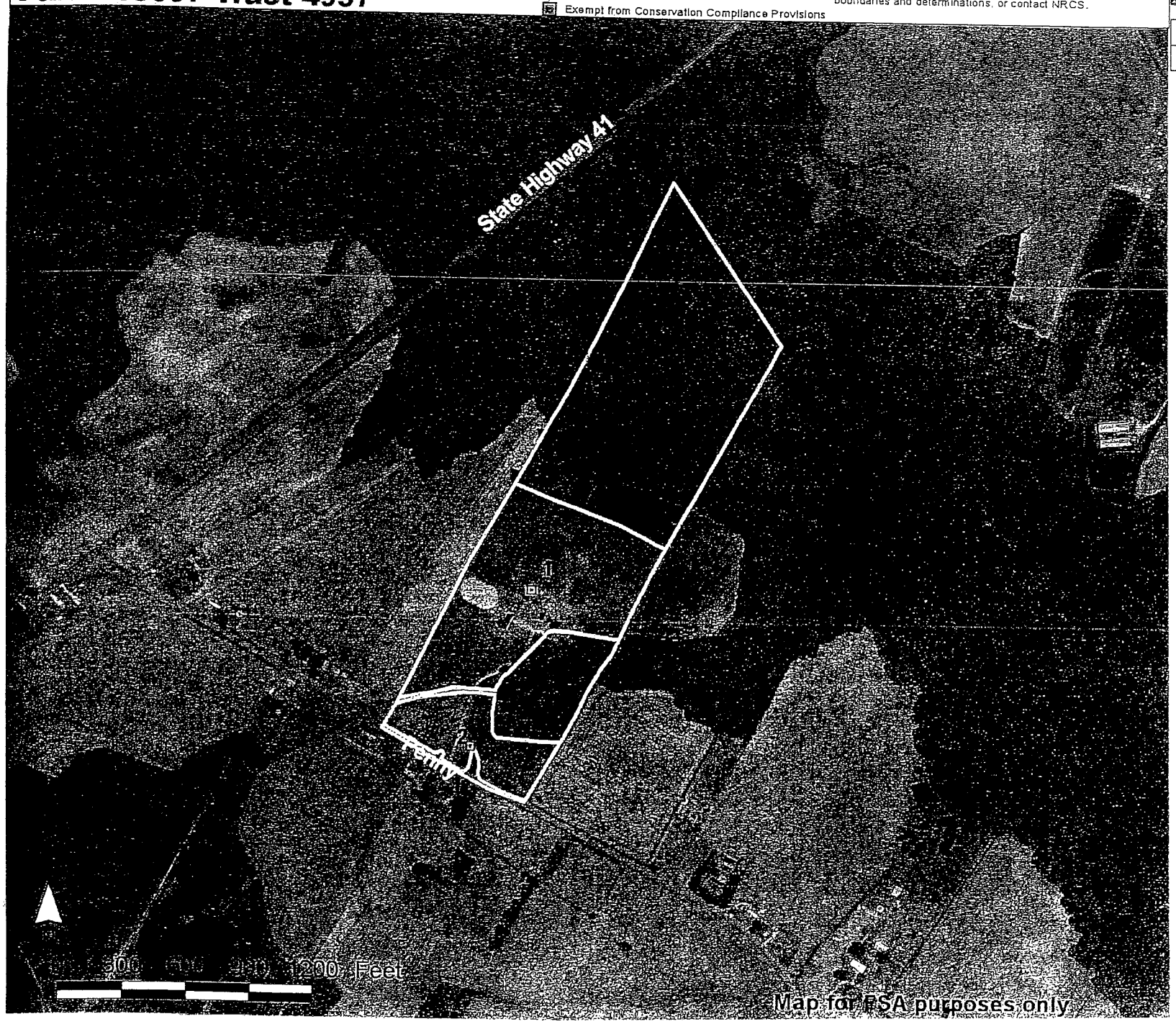

Map for FSA purposes only

Fld	Acres	Crop	HEL	CRP
1	15.55	Costal	N	gc
2	4.89	Costal	N	gc

Lab #
15764
15765

Johnnie Smith

Sludge Sample
10.00 LB

Total Cropland Acres

Duplin County FSA
Farm 14864 Tract 4991

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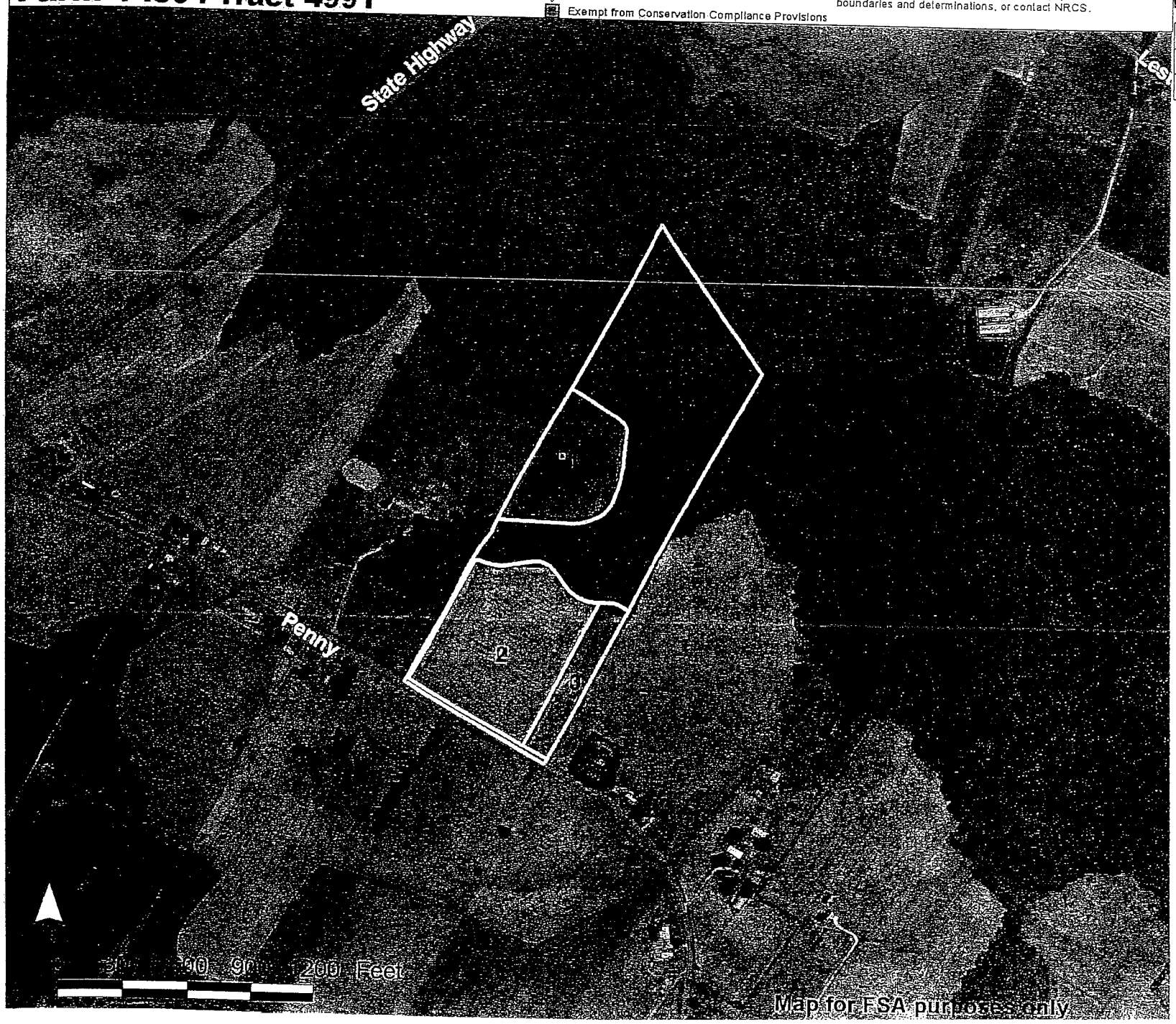

Fld	Acres	Crop	HUM	Crp
1	6.08	millet	N	
2	10.91	corn	N	
~~3~~	~~2.54~~		~~N~~	

Lab
15766
15767

Aunt
Jan

Field 2 J-2
Field 1 J-1

Total Cropland Acres

Duplin County FSA
Farm 13470 Tract 6623

Wetland Determination Identifiers
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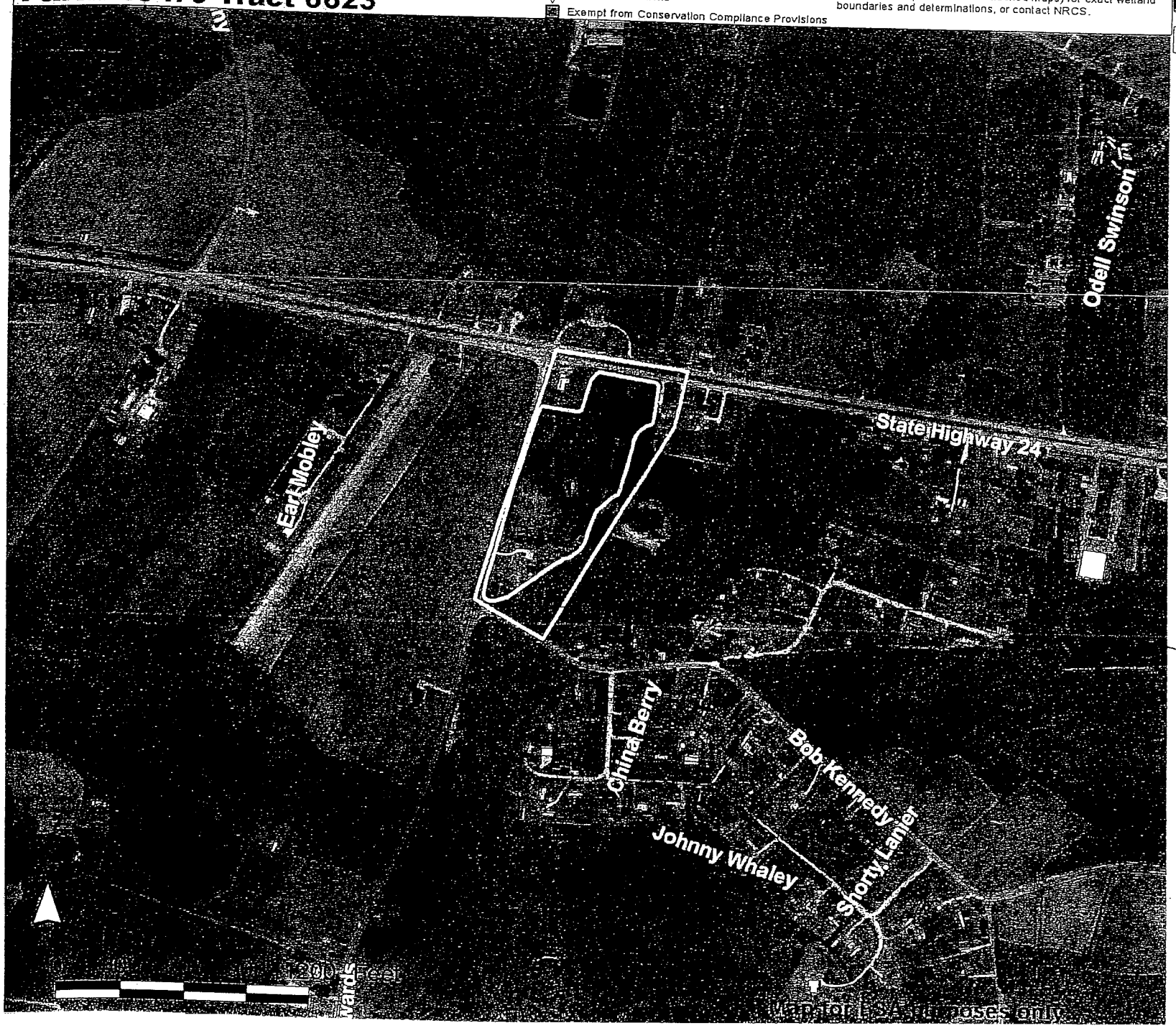
Fld	Acres	Crop	HHC	CRP
1	10.90	Costal	N	gsc



Eric's

Lab
15768
15769
E1

cleared - millet
E2

Total Cropland Acres

Duplin County FSA
Farm 13470 Tract 6622

Wetland Determination Identifiers
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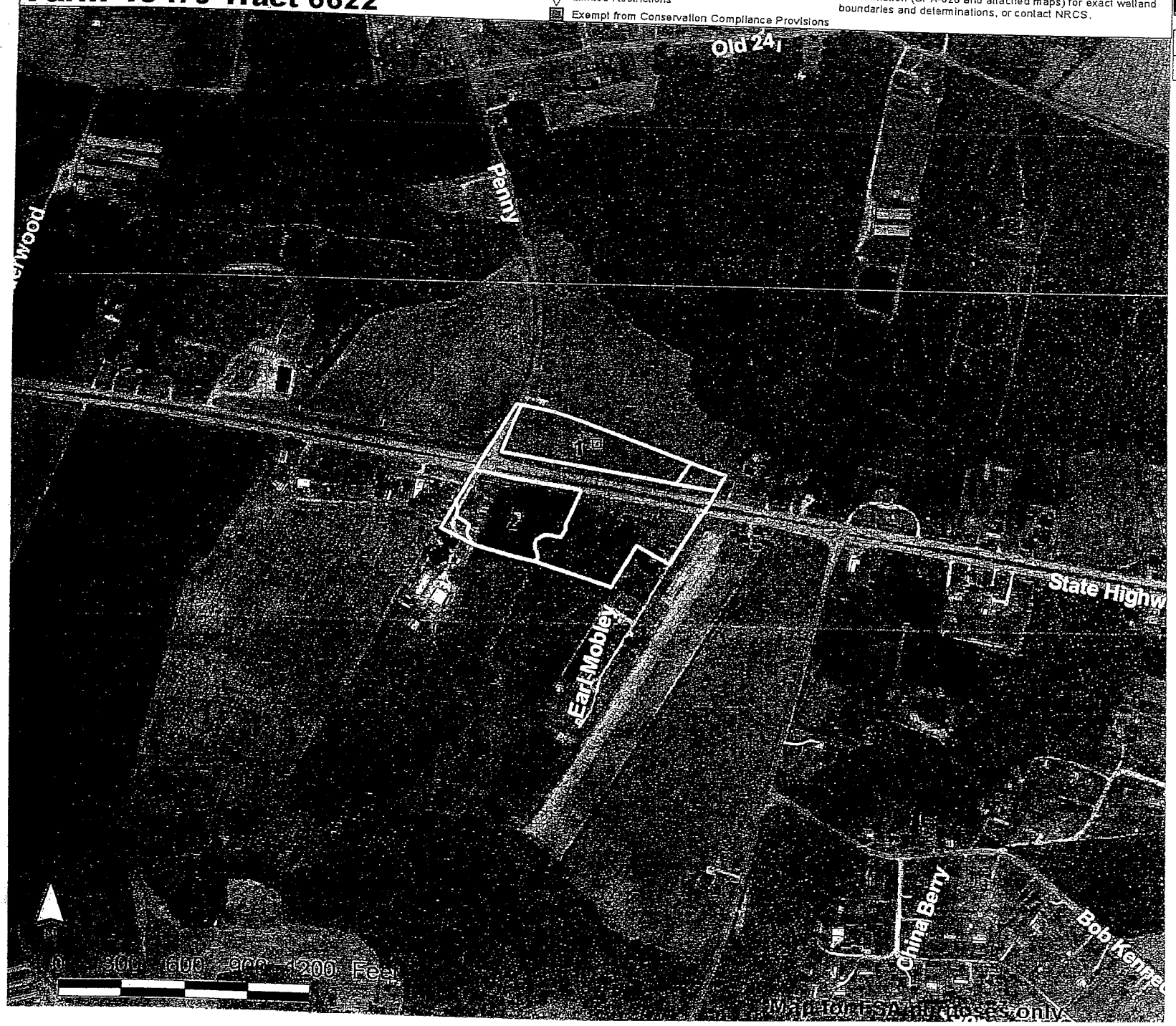

Fld	Acres	Crop	Irr	CRP
1	4.11	Corn	N	
2	4.17	Costal	N	gsa

Mrs. Effie's

Lab 15771

Field 2 - R1

Total Cropland Acres

Duplin County FSA
Farm 13470 Tract 6631

Wetland Determination Identifiers
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- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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Grazi

Fld	Acres	Crop	Hyd	Crop
1	3.29	~~Corn~~	N	Tes
2	11.15	Millet	N	
3	4.93	~~Fescue~~	N	Coa

Lab 15772
Lab 15773
Lab 15774

Ray Smith

Field 1 - R2
Field 2 - R
Field 3 - R

Total Cropland Acres

Coastal Carolina Power Ash 2012-2013

Ticket #	Date	Fly Ash Tons	Bottom Ash Tons	Driver
42889	8/10/2012	13.26		Mike
42905	8/10/2012	15.02		Mike
42906	8/10/2013	19.67		Brian
42921	8/10/2013	19.59		Brian
42891	8/10/2013	16.37		Brian
42968	8/13/2012	19.19		Brian
42941	8/13/2012	17.97		Brian
42935	8/13/2012	14.93		Brian
42991	8/14/2012	19.71		Brian
43016	8/14/2012	17.09		Brian
43065	8/16/2012	17.61		Brian
43113	8/17/2012	18.44		Brian
43183	8/20/2012	17.35		Brian
43200	8/20/2012	17.56		Brian
43224	8/21/2012	17.39		Brian
43251	8/21/2012	18.41		Brian
43282	8/22/2013	20.1		Brian
43301	8/22/2013	18.25		Brian
43465	8/27/2012	17.55		David
43468	8/27/2012	16.28		Mike
43524	8/28/2012	17.88		David
43420	8/24/2012	17.89		Brian
43571	8/29/2012	18.52		Brian
43631	8/30/2012	18.83		Brian
43682	8/31/2012	18.15		Brian
43718	9/3/2012	16.17		Brian
43743	9/4/2012	18.39		Brian
43758	9/4/2012	18.3		Brian
16057	9/5/2012	17.26		Brian
43859	9/6/2012	17.5		Brian
43874	9/6/2012	17.9		Brian
43913	9/7/2012	19.3		Brian

43978	9/10/2012	18.4	Brian
43990	9/10/2012	18.23	Brian
44078	9/12/2012	17.02	Brian
44123	9/13/2012	19.42	Brian
44162	9/13/2012	20.46	Brian
44140	9/13/2012	23.41	Brian
44268	9/17/2012	18.52	Brian
44244	9/17/2012	19.64	Brian
44335	9/19/2012	21.24	Brian
44391	9/20/2012	19.76	Brian
44487	9/24/2012	20.74	Brian
44561	9/25/2012	19.37	Brian
44611	9/26/2012	20.89	Brian
44652	9/26/2012	23.78	Brian
44751	10/1/2012	21.87	Brian
44789	10/2/2012	19.5	Brian
44799	10/2/2012	23.33	Brian
44825	10/3/2012	20.7	Brian
44873	10/4/2012	18.57	Brian
44892	10/4/2012	20.81	Brian
44918	10/5/2012	20.95	Brian
44969	10/8/2012	16.86	Brian
45016	10/10/2012	19.2	Brian
23338	10/11/2012	24.62	Brian
45106	10/12/2012	21.43	Brian
45167	10/15/2012	22.07	Brian
45176	10/15/2012	21.57	Brian
45213	10/16/2012	21.56	Brian
45256	10/17/2012	20.17	Brian
45309	10/18/2012	19.77	Brian
45353	10/19/2012	21.37	Brian
45464	10/22/2012	21.58	Brian
45428	10/22/2012	23.63	Brian
45519	10/24/2012	18.44	Brian
45618	10/26/2012	17.38	Mike

45634	10/26/2012	20.49	Mike
45650	10/26/2012	20.17	Mike
45662	10/27/2012	18.9	Mike
45664	10/27/2012	16.72	Mike
45669	10/27/2012	18.72	Mike
45683	10/29/2012	19.67	Brian
45701	10/29/2012	20.4	Brian
45722	30-Oct	19.15	Brian
45750	10/30/2012	21.49	Brian
45816	10/31/2012	20.32	Brian
45876	11/2/2012	18.47	Brian
45928	11/5/2012	$19.90	Brian
45931	11/5/2012	19.54	Brian
23650	11/6/2012	23.29	Brian
46175	11/12/2012	20.39	Brian
46203	11/12/2012	19.15	Brian
46223	11/13/2012	17.72	Brian
46237	11/13/2012	18.95	Brian
46272	11/15/2012	20.9	Brian
46281	11/15/2012	18.7	Brian
46309	11/16/2012	19.23	Brian
46335	11/17/2012	21.17	Brian
46324	11/17/2012	19.71	Brian
46337	11/18/2012	23.27	Brian
46343	11/19/2012	22.47	Brian
46359	11/19/2012	20.78	Brian
46377	11/20/2012	18.8	Brian
46413	11/21/2012	19.42	Brian
46424	11/21/2012	20.87	Brian
23327	11/21/2012	21.65	Brian
46441	11/23/2012	20.75	Brian
46449	11/26/2012	21.34	Brian
46490	11/25/2012	22.01	Brian
46519	11/26/2012	20.44	Brian
46525	11/26/2012	20	Brian

46531	11/26/2012	18.46	Brian
46554	11/27/2012	21.38	Brian
46562	11/27/2012	19.25	Brian
46583	11/28/2012	18.96	Brian
46601	11/28/2012	19.41	Brian
46620	11/29/2012	19.58	Brian
46656	11/30/2012	21.635	Brian
46673	11/30/2012	21.34	Brian
46713	12/3/2012	20.38	Brian
46704	12/3/2012	20.12	Brian
46759	12/5/2012	19.87	Brian
46770	12/5/2012	20	Brian
46794	12/6/2012	19.68	Brian
46826	12/6/2012	17.04	Brian
46812	12/6/2012	11.15	David
46850	12/6/2012	19.28	David
46855	12/7/2012	21.66	Brian
46873	12/8/2012	20.31	David
16121	12/10/2012	20.13	David
47192	12/31/2012	25.86	Brian
47225	2-Jan	18.9	Brian
47267	1/3/2013	23.51	Brian
161124	3-Jan	22.37	Brian
16125	3-Jan	20.28	Brian
47373	7-Jan	15.95	Brian
16126	7-Jan	19.87	Brian
16127	9-Jan	20.78	Brian
16128	10-Jan	21.74	Brian
47523	10-Jan	18.7	Brian
16130	11-Jan	20.42	Brian
16131	14-Jan	20.69	Brian
47645	15-Jan	20.09	Brian
47652	15-Jan	21.53	Brian
47682	1/16/2013	21.38	Brian
47724	17-Jan	23.02	Brian
47768	18-Jan	19.9	Brian
47801	19-Jan	16.73	Brian
47862	22-Jan	24.77	Brian
47872	22-Jan	17.19	David
47882	22-Jan	21.2	David

47961	24-Jan	18.21	David
47977	24-Jan	16.87	David
48097	28-Jan	20.17	David
48076	28-Jan	18.42	Brian
47825	28-Jan	19.91	Brian
48125	29-Jan	18.52	Brian
48188	30-Jan	21.42	Brian
48206	30-Jan	20.76	David
48242	1/31/2013	20.13	David
48296	2/1/2013	20.24	Brian
48354	4-Feb	21.09	Brian
48344	4-Feb	19.04	Brian
48367	4-Feb	17.94	Brian
48412	5-Feb	18.64	Brian
23750	5-Feb	15.13	Brian
48473	6-Feb	16.93	Brian
48444	6-Feb	15.63	Brian
48460	6-Feb	22.17	Brian
18130000010	7-Feb	13.9	Brian
23381	8-Feb	21.74	Brian
18130000070	8-Feb	18.55	Brian
18130000153	11-Feb	21.24	Brian
18130000133	11-Feb	17.34	Brian
18130000186	12-Feb	17.68	Brian
18130000211	12-Feb	18.14	Brian
16134	13-Feb	18.43	Brian
18130000297	14-Feb	16.87	Brian
18130000305	14-Feb	19.92	Brian
18130000407	18-Feb	21.68	Brian
421	18-Feb	17.08	Brian
433	18-Feb	18.4	Brian
455	19-Feb	19.08	Brian
472	19-Feb	19.75	Brian
498	20-Feb	22	Brian
543	21-Feb	21.73	Brian
653	25-Feb	18.98	Brian
666	25-Feb	19.68	Brian
680	25-Feb	19.81	Brian
723	26-Feb	18.53	Brian
18130000712	26-Feb	17.8	Brian
18130000821	3/1/2013	17.66	Brian
910	4-Mar	14.68	Brian
897	4-Mar	13.42	Brian
923	4-Mar	12.94	Brian
950	5-Mar	14.03	Brian
966	5-Mar	12.64	Brian
1203	12-Mar	15.22	Brian

1213	12-Mar	15.19	Brian
1214	12-Mar	17.76	Mike
1204	12-Mar	15.81	Mike
1236	13-Mar	18.19	Brian
1246	13-Mar	17.34	Brian
1299	14-Mar	16.55	Brian
1349	3/15/2013	19.02	Brian
1423	19-Mar	16.36	Brian
1477	20-Mar	15.37	Brian
1568	21-Mar	16.97	Brian
1636	25-Mar	16.28	Mike
1649	25-Mar	15	Mike
1662	25-Mar	17.42	Mike
1635	25-Mar	14.08	David
1647	25-Mar	16.74	David
1668	25-Mar	17.9	David
1898	29-Mar	15.43	David
1874	29-Mar	16.48	David
1864	29-Mar	17.74	David
1929	4/1/2013	22.23	Mike
18130001942	1-Apr	16.49	Mike
1922	1-Apr	24.26	David
1945	1-Apr	15.77	David
1933	1-Apr	19.54	David
2130	5-Apr	18.34	David
2122	5-Apr	17.96	David
2120	5-Apr	19.45	David
2129	5-Apr	17.16	Mike
2375	11-Apr	15.63	Mike
2377	11-Apr	15.65	Brian
2378	11-Apr	12.97	Mike
2457	15-Apr	17.43	David
2446	15-Apr	17.1	David
2456	15-Apr	18.59	Mike
2445	15-Apr	17.44	Mike
2438	15-Apr	16.82	Brian
2549	17-Apr	16.18	Brian
2556	17-Apr	16.83	Brian
2663	19-Apr	17.67	Brian
2895	25-Apr	14	Brian
2888	25-Apr	15.62	Brian
2847	25-Apr	14.38	Brian
2905	25-Apr	16.05	Brian
3078	4/30/2013	15.81	Brian
18130003122	5/1/2013	17.61	Brian
3563	10-May	15.92	Brian
3582	10-May	13.47	Brian

3573	10-May	13.63		Brian
3590	10-May	13.72		Brian
3616	13-May		20	Brian
	13-May		21.59	Brian
3680	14-May	15.2		Brian
3695	14-May	15.19		Brian
3701	14-May		19	Brian
3684	14-May	14.81		Brian
3747	15-May		20.34	Brian
3772	15-May		19.42	Brian
3812	16-May		22.08	Brian
3848	16-May		23.14	Brian
3841	16-May	14.78		Brian
3824	16-May		19.86	Brian
3959	19-May	16.39		Brian
3960	20-May	16.31		Brian
3962	20-May	14.78		Brian
3964	20-May	15.28		Brian
3965	20-May	15.62		Brian
3967	20-May	16.27		Brian
3973	20-May		22.98	Brian
3970	20-May	14.65		Brian
4187	28-May		21.27	Brian
4182	28-May		20.49	Brian
4212	29-May	16.86		Brian
4205	29-May		20.95	Brian
4215	29-May		22.26	Brian
4303	30-May	16.01		Brian
4304	31-May	17.86		Brian
4305	31-May	17.18		Brian
6307	5/31/2013	18.47		Brian
4452	6/4/2013	16.8		Brian
4458	6/4/2013	18.45		Brian
4427	6/4/2013		21.13	Brian
4479	6/6/2013		23.8	Brian
4551	6/6/2013		23.96	Brian
4650	11-Jun	17.37		Brian
4636	6/11/2013		21.06	Brian
4704	6/12/2013	17.34		Mike
4682	6/12/2013	19.07		Brian
4741	6/13/2013	16.84		Brian
4668	6/11/2013	20.64		Brian
4833	6/17/2013	15.82		Brian
4851	6/17/2013	16.22		Brian
4889	6/18/2013		18.09	Brian
4907	6/18/2013		18.8	Brian
4984	6/20/2013	16.56		Brian

5005	6/20/2013	15.6		Brian
5021	6/20/2013	18.45		Brian
5066	6/24/2013	14.77		Brian
5082	6/24/2013	17.42		Brian
5144	6/25/2013	16.91		Brian
5123	6/25/2013	16.28		Brian
5102	6/25/2013	17.97		Brian
5149	6/26/2013	17.35		Brian
	6/26/2013	16.07		Brian
5158	6/26/2013	16.89		Mike
5170	6/26/2013	16.93		Mike
5179	6/26/2013		21.08	Brian
5177	6/26/2013	19.04		Brian
5195	6/27/2013		25.49	Brian
5222	6/27/2013	22.89		Brian
5230	6/27/2013	19.21		Brian
5260	6/28/2013		21.67	Brian
5427	7/8/2013	18.17		Brian
5450	7/8/2013	17.8		Brian
5477	7/9/2013	19.08		Brian
5498	7/9/2013	19.01		Brian
5567	7/11/2013	15.61		Brian
5587	7/11/2013	15.23		Brian
5599	7/11/2013	15.14		Brian
5688	7/13/2013	21.33		Brian
5689	7/13/2013	19.67		Brian
5704	7/15/2013	19.03		Brian
5719	7/15/2013	18.85		Brian
5758	7/16/2013	20		Brian
5773	7/16/2013	19.34		Brian
5808	7/17/2013	18.38		Brian
5859	7/17/2013		20.12	Brian
5825	7/17/2013	20.51		Brian
5880	7/18/2013	19.4		Brian
5888	7/18/2013	18.73		Brian
6070	7/23/2013	18.89		Brian
6058	7/23/2013	20.84		Brian
6044	7/23/2013		23.21	Brian
6101	7/24/2013	18.78		Mike
6120	7/24/2013	18.4		Mike
6105	7/24/2013	19.26		Brian
6135	7/24/2013		21.57	Brian
6196	7/25/2013	17.23		Brian
6157	7/25/2013	18.93		Brian
6248	7/26/2013	17.31		David
6246	7/26/2013	17.09		Mike
6237	7/26/2013	19.09		Brian

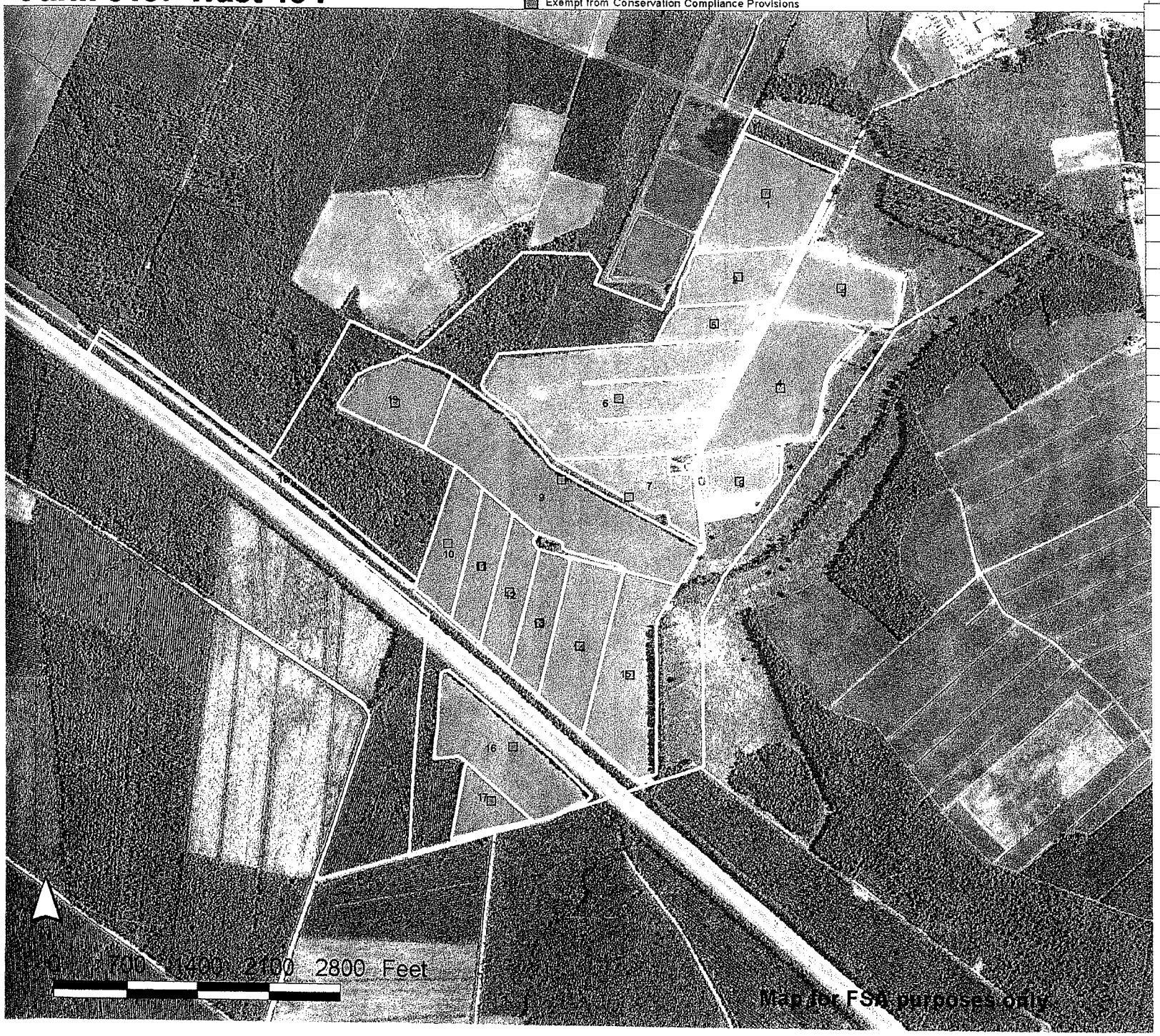
5,156 Tar

Craven County FSA *Cove City*

Farm 6167 Tract 164

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland Identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



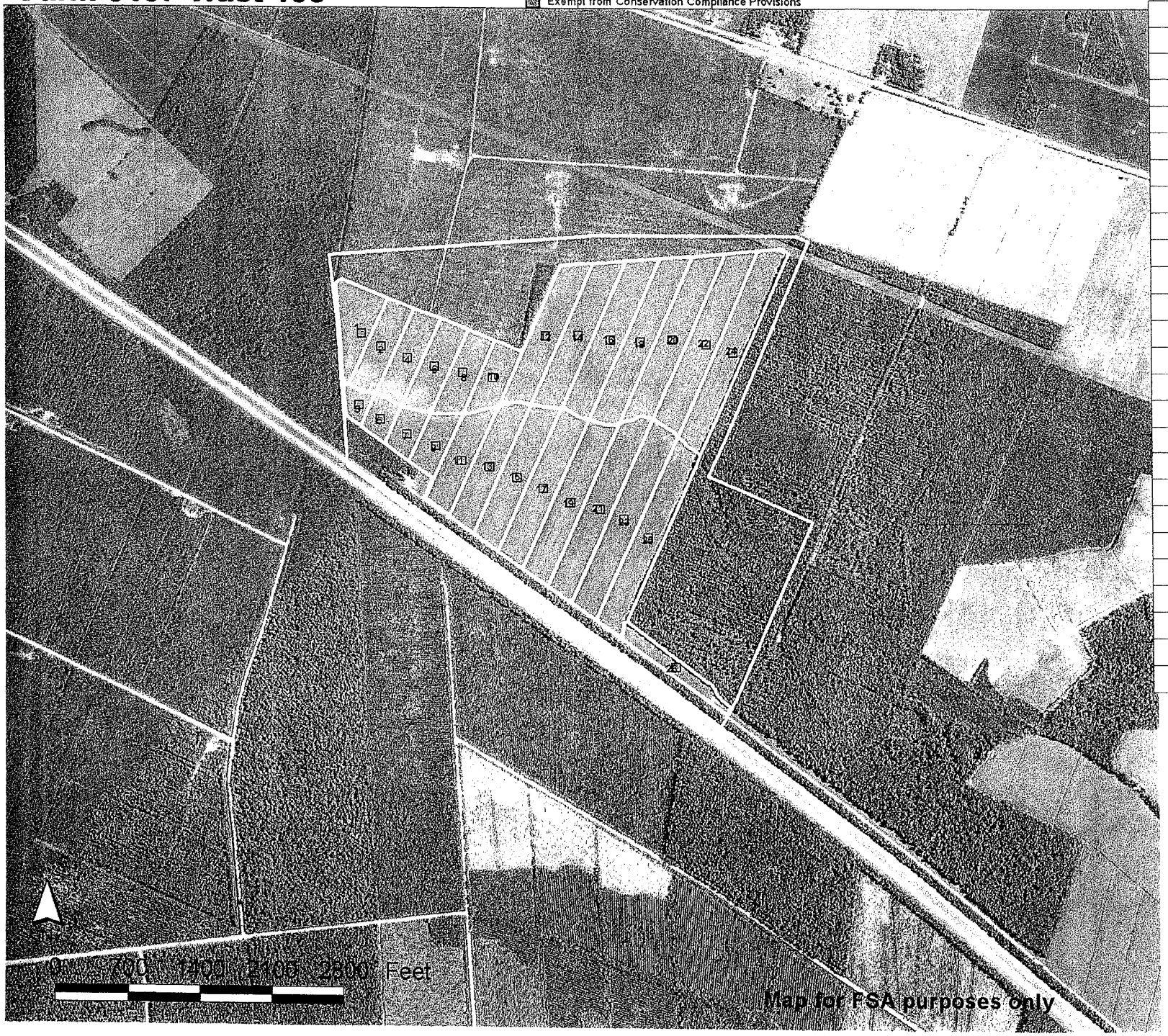
	Acres	Crop	HEL	CRP
1	24.21		N	
2	12.35		N	
3	15.19		N	
4	27.00		N	
5	8.12		N	
6	93.03		N	
7	12.30		N	
8	10.78		N	
9	42.68		N	
10	11.23		N	
11	10.56		N	
12	10.33		N	
13	10.26		N	
14	18.79		N	
15	34.79		N	
16	22.94		N	
17	6.67		N	
18	8.11		N	T
19	14.24		N	

Total Cropland Acres
343.6

Craven County FSA
Farm 6167 Tract 165

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



	Acres	Crop	HEL	CRP
1	6.64		N	
2	6.08		N	
3	1.80		N	
4	6.07		N	
5	2.52		N	
6	6.15		N	
7	3.13		N	
8	5.70		N	
9	4.18		N	
10	4.70		N	
11	6.84		N	
12	9.84		N	
13	8.77		N	
14	10.32		N	
15	9.94		N	
16	11.35		N	
17	10.71		N	
18	11.73		N	
19	11.31		N	
20	11.59		N	
21	12.45		N	
22	12.59		N	
23	13.51		N	
24	13.87		N	
25	12.69		N	
26	4.36		N	

Total Cropland Acres
218.8

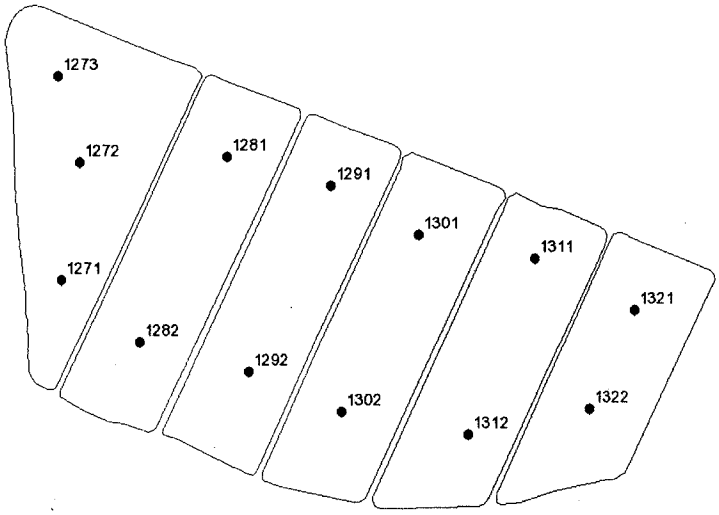
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 33.38

Field(s): Cove City 127-132

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	94	73 - 108
K-I:	91	82 - 118
Mg%:	16.0	11.0 - 21.0
Ca%:	66.4	60.0 - 75.0
pH:	6.13	5.80 - 6.50
Ac:	1.61	1.00 - 2.30
S-I:	50	37 - 64
Zn-I:	116	84 - 174
Zn-Al:	N/A	N/A
Mn-I:	39	32 - 47
Mn-Al:	N/A	N/A
Cu-I:	74	60 - 91
CEC:	11.5	9.3 - 13.2
HM%:	3.0	1.8 - 4.1

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 127-132														
1271	106.0	92.0	16.0	71.0	6.4	1.1	64.0	88.0	n/a	41.0	n/a	82.0	12.3	2.2
1272	95.0	82.0	18.0	63.0	5.9	1.8	53.0	110.0	n/a	36.0	n/a	60.0	11.1	3.3
1273	106.0	82.0	21.0	64.0	6.2	1.5	54.0	114.0	n/a	47.0	n/a	73.0	12.4	3.5
1281	86.0	98.0	20.0	63.0	6.1	1.8	54.0	122.0	n/a	33.0	n/a	65.0	13.2	4.1
1282	104.0	92.0	14.0	70.0	6.2	1.2	40.0	97.0	n/a	38.0	n/a	80.0	10.5	2.1
1291	87.0	92.0	21.0	60.0	6.0	2.0	49.0	115.0	n/a	37.0	n/a	91.0	12.7	4.1
1292	89.0	97.0	14.0	70.0	6.2	1.2	37.0	84.0	n/a	32.0	n/a	74.0	10.3	2.5
1301	91.0	88.0	17.0	62.0	5.9	2.3	38.0	174.0	n/a	44.0	n/a	83.0	12.7	4.1
1302	73.0	84.0	13.0	73.0	6.4	1.0	39.0	100.0	n/a	39.0	n/a	82.0	10.1	2.0
1311	84.0	82.0	17.0	62.0	6.0	2.3	53.0	162.0	n/a	37.0	n/a	62.0	13.0	3.7
1312	89.0	92.0	11.0	68.0	6.1	1.5	48.0	89.0	n/a	38.0	n/a	71.0	9.3	2.1
1321	98.0	89.0	15.0	62.0	5.8	2.2	62.0	153.0	n/a	37.0	n/a	63.0	11.4	3.4
1322	108.0	118.0	11.0	75.0	6.5	1.0	63.0	104.0	n/a	42.0	n/a	70.0	10.9	1.8

Crop Production Services

SAMPLE DATE: 2012-02-15;2012-02-14
ISSUED:10:24am EDT Mar29, 2012
A Product of Agfleet Version 3.00

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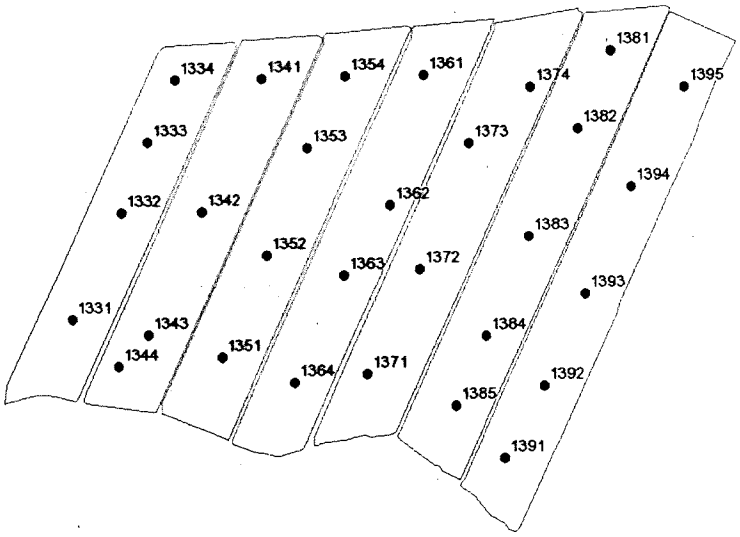
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 75.92

Field(s): Cove City 133-139

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	83	60 - 108
K-I:	77	53 - 109
Mg%:	16.4	12.0 - 21.0
Ca%:	57.9	48.0 - 71.0
pH:	5.71	5.20 - 6.50
Ac:	2.55	1.20 - 3.70
S-I:	63	42 - 79
Zn-I:	160	131 - 194
Zn-Al:	N/A	N/A
Mn-I:	33	24 - 49
Mn-Al:	N/A	N/A
Cu-I:	59	44 - 80
CEC:	11.5	9.8 - 13.0
HM%:	3.9	1.9 - 5.7

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 133-139														
1331	108.0	103.0	15.0	71.0	6.5	1.2	72.0	140.0	n/a	40.0	n/a	80.0	12.3	2.1
1332	91.0	66.0	17.0	63.0	5.9	2.2	60.0	189.0	n/a	38.0	n/a	74.0	12.0	2.9
1333	96.0	92.0	18.0	62.0	6.0	2.0	55.0	178.0	n/a	43.0	n/a	73.0	12.1	2.8
1334	98.0	87.0	19.0	58.0	5.7	2.6	57.0	186.0	n/a	49.0	n/a	65.0	12.8	3.9
1341	69.0	74.0	17.0	57.0	5.7	2.5	67.0	152.0	n/a	34.0	n/a	58.0	10.9	3.4
1342	74.0	86.0	18.0	59.0	5.8	2.2	79.0	145.0	n/a	31.0	n/a	57.0	11.6	2.9
1343	88.0	92.0	16.0	65.0	6.0	1.7	67.0	140.0	n/a	29.0	n/a	58.0	11.1	2.6
1344	103.0	69.0	13.0	68.0	6.1	1.5	72.0	131.0	n/a	42.0	n/a	76.0	10.2	1.9
1351	77.0	85.0	14.0	60.0	5.7	2.6	70.0	132.0	n/a	28.0	n/a	45.0	11.6	4.1
1352	60.0	96.0	16.0	59.0	5.7	2.6	78.0	132.0	n/a	29.0	n/a	44.0	12.5	3.9
1353	70.0	62.0	17.0	60.0	5.8	2.4	60.0	171.0	n/a	32.0	n/a	61.0	12.2	3.3
1354	75.0	64.0	16.0	58.0	5.7	2.6	64.0	163.0	n/a	30.0	n/a	56.0	11.4	3.5
1361	66.0	71.0	21.0	55.0	5.7	2.7	64.0	141.0	n/a	28.0	n/a	52.0	12.8	5.2
1362	80.0	76.0	17.0	58.0	5.7	2.7	64.0	194.0	n/a	30.0	n/a	60.0	12.5	4.2
1363	87.0	83.0	17.0	60.0	5.8	2.4	75.0	183.0	n/a	33.0	n/a	67.0	12.1	3.5
1364	81.0	72.0	17.0	61.0	5.7	2.3	78.0	152.0	n/a	29.0	n/a	54.0	11.5	3.6
1371	96.0	90.0	16.0	64.0	6.0	1.9	75.0	157.0	n/a	27.0	n/a	62.0	11.6	3.3
1372	69.0	66.0	16.0	55.0	5.6	2.7	63.0	155.0	n/a	24.0	n/a	44.0	10.5	3.8
1373	94.0	86.0	18.0	58.0	5.8	2.4	68.0	172.0	n/a	32.0	n/a	61.0	12.1	4.4
1374	82.0	109.0	20.0	58.0	5.8	2.4	61.0	179.0	n/a	25.0	n/a	52.0	13.0	5.7
1381	77.0	70.0	16.0	48.0	5.3	3.5	51.0	146.0	n/a	31.0	n/a	52.0	10.8	5.2
1382	101.0	65.0	12.0	48.0	5.2	3.6	42.0	165.0	n/a	40.0	n/a	62.0	9.8	4.8
1383	77.0	83.0	16.0	51.0	5.4	3.3	51.0	148.0	n/a	38.0	n/a	49.0	11.1	5.7
1384	70.0	77.0	14.0	50.0	5.3	3.4	56.0	136.0	n/a	29.0	n/a	45.0	10.3	5.1

Crop Production Services

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SAMPLE DATE: 2012-02-15;2012-02-14
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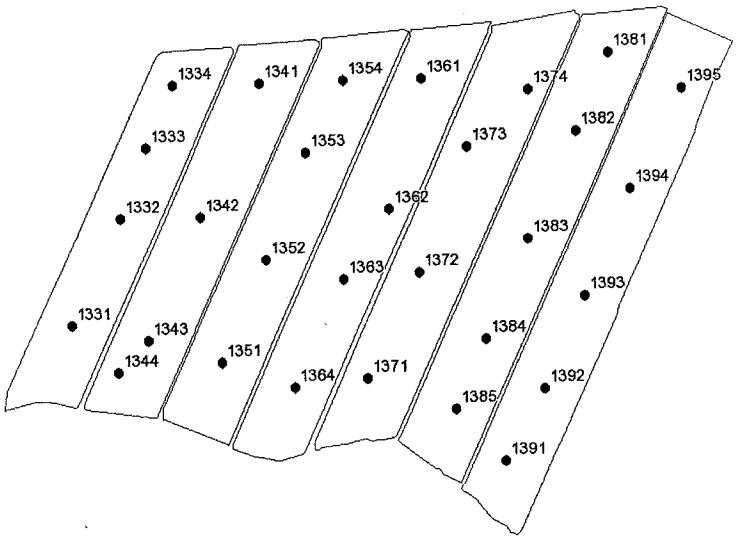
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 75.92

Field(s): Cove City 133-139

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	83	60 - 108
K-I:	77	53 - 109
Mg%:	16.4	12.0 - 21.0
Ca%:	57.9	48.0 - 71.0
pH:	5.71	5.20 - 6.50
Ac:	2.55	1.20 - 3.70
S-I:	63	42 - 79
Zn-I:	160	131 - 194
Zn-Al:	N/A	N/A
Mn-I:	33	24 - 49
Mn-Al:	N/A	N/A
Cu-I:	59	44 - 80
CEC:	11.5	9.8 - 13.0
HM%:	3.9	1.9 - 5.7

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	1385	79.0	53.0	15.0	52.0	5.4	3.0	63.0	154.0	n/a	29.0	n/a	48.0	10.0	4.8
	1391	77.0	86.0	17.0	58.0	5.7	2.5	62.0	160.0	n/a	26.0	n/a	65.0	11.4	4.8
	1392	88.0	67.0	18.0	59.0	5.9	2.2	53.0	175.0	n/a	32.0	n/a	63.0	11.2	3.8
	1393	78.0	66.0	17.0	59.0	5.8	2.2	53.0	177.0	n/a	33.0	n/a	60.0	10.7	3.8
	1394	78.0	63.0	14.0	51.0	5.2	3.7	51.0	161.0	n/a	35.0	n/a	53.0	11.3	4.3
	1395	98.0	62.0	14.0	51.0	5.3	3.6	46.0	183.0	n/a	40.0	n/a	65.0	11.2	4.4

SAMPLE DATE: 2012-02-15:2012-02-14
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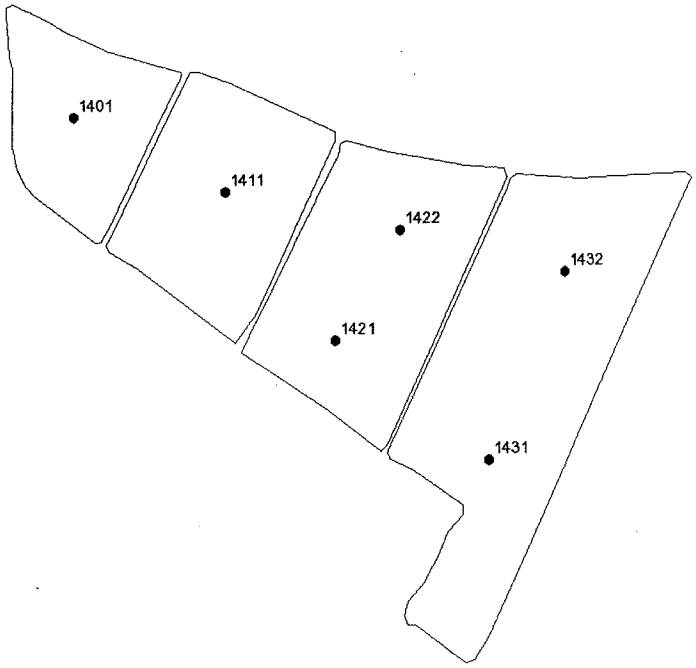
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 11.42

Field(s): Cove City 140-143

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	91	83 - 116
K-I:	85	59 - 102
Mg%:	15.3	13.0 - 18.0
Ca%:	67.2	55.0 - 75.0
pH:	6.03	5.40 - 6.40
Ac:	1.88	1.20 - 3.40
S-I:	54	41 - 61
Zn-I:	185	117 - 261
Zn-Al:	N/A	N/A
Mn-I:	45	34 - 55
Mn-Al:	N/A	N/A
Cu-I:	137	118 - 166
CEC:	12.9	10.8 - 15.1
HM%:	3.4	1.9 - 5.8

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 140-143														
1401	85.0	80.0	13.0	75.0	6.4	1.2	41.0	117.0	n/a	47.0	n/a	126.0	13.5	2.4
1411	116.0	99.0	15.0	71.0	6.3	1.3	61.0	235.0	n/a	55.0	n/a	166.0	12.7	2.8
1421	84.0	59.0	18.0	60.0	5.6	3.0	56.0	261.0	n/a	40.0	n/a	118.0	15.1	5.8
1422	88.0	78.0	15.0	71.0	6.2	1.2	50.0	127.0	n/a	45.0	n/a	136.0	10.8	1.9
1431	83.0	93.0	16.0	55.0	5.4	3.4	59.0	222.0	n/a	34.0	n/a	132.0	13.5	5.4
1432	92.0	102.0	15.0	71.0	6.3	1.2	55.0	146.0	n/a	51.0	n/a	145.0	11.7	2.2

Crop Production Services

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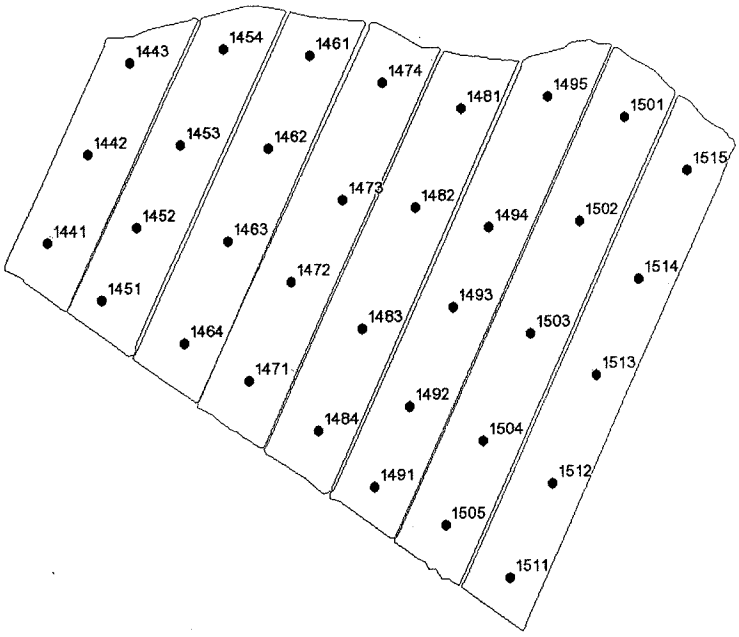
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 82.35

Field(s): Cove City 144-151

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	99	52 - 170
K-I:	82	57 - 107
Mg%:	17.5	12.0 - 24.0
Ca%:	60.6	51.0 - 80.0
pH:	5.90	5.30 - 6.90
Ac:	2.33	0.30 - 3.80
S-I:	53	41 - 69
Zn-I:	186	92 - 251
Zn-Al:	N/A	N/A
Mn-I:	41	30 - 70
Mn-Al:	N/A	N/A
Cu-I:	94	63 - 176
CEC:	12.4	10.2 - 14.0
HM%:	3.6	0.9 - 5.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 144-151														
1441	83.0	93.0	16.0	59.0	5.8	2.3	51.0	185.0	n/a	37.0	n/a	88.0	11.1	3.7
1442	100.0	94.0	16.0	55.0	5.4	3.2	51.0	238.0	n/a	38.0	n/a	108.0	12.5	4.6
1443	81.0	97.0	12.0	71.0	6.2	1.2	51.0	92.0	n/a	40.0	n/a	137.0	10.2	1.4
1451	69.0	72.0	17.0	60.0	5.9	2.1	46.0	140.0	n/a	40.0	n/a	66.0	10.8	3.6
1452	70.0	71.0	22.0	60.0	6.0	2.1	69.0	218.0	n/a	35.0	n/a	74.0	13.9	3.8
1453	88.0	79.0	21.0	62.0	6.1	1.9	56.0	210.0	n/a	40.0	n/a	84.0	13.3	3.1
1454	84.0	62.0	15.0	80.0	6.9	0.3	50.0	188.0	n/a	57.0	n/a	102.0	10.9	0.9
1461	100.0	82.0	13.0	77.0	6.7	0.7	58.0	174.0	n/a	70.0	n/a	122.0	11.0	1.1
1462	52.0	57.0	15.0	72.0	6.4	1.0	58.0	130.0	n/a	46.0	n/a	78.0	10.4	1.9
1463	78.0	71.0	20.0	56.0	5.6	3.0	58.0	222.0	n/a	38.0	n/a	84.0	14.0	4.1
1464	76.0	61.0	15.0	55.0	5.5	3.2	50.0	201.0	n/a	40.0	n/a	89.0	11.8	3.7
1471	118.0	90.0	18.0	61.0	5.9	2.0	57.0	174.0	n/a	35.0	n/a	83.0	11.6	3.3
1472	116.0	100.0	18.0	59.0	5.7	2.5	53.0	237.0	n/a	42.0	n/a	98.0	12.7	3.5
1473	83.0	89.0	19.0	59.0	5.9	2.4	56.0	178.0	n/a	37.0	n/a	66.0	12.9	3.9
1474	80.0	79.0	14.0	76.0	6.6	0.7	51.0	110.0	n/a	55.0	n/a	76.0	11.3	1.4
1481	72.0	65.0	18.0	63.0	6.0	2.1	50.0	174.0	n/a	30.0	n/a	66.0	12.9	3.2
1482	102.0	72.0	17.0	59.0	5.7	2.8	51.0	229.0	n/a	32.0	n/a	79.0	13.3	3.7
1483	81.0	78.0	19.0	56.0	5.7	2.8	60.0	223.0	n/a	33.0	n/a	176.0	13.0	4.0
1484	96.0	98.0	15.0	63.0	6.0	2.1	65.0	152.0	n/a	40.0	n/a	84.0	11.6	3.1
1491	114.0	80.0	16.0	59.0	5.9	2.4	64.0	178.0	n/a	44.0	n/a	104.0	11.1	3.7
1492	102.0	102.0	16.0	57.0	5.6	2.8	56.0	202.0	n/a	40.0	n/a	131.0	12.2	4.7
1493	95.0	71.0	18.0	54.0	5.3	3.6	63.0	203.0	n/a	37.0	n/a	129.0	13.7	5.2
1494	88.0	61.0	16.0	52.0	5.3	3.7	55.0	207.0	n/a	42.0	n/a	91.0	12.6	5.1
1495	116.0	91.0	16.0	66.0	6.2	1.9	50.0	181.0	n/a	43.0	n/a	135.0	12.8	3.3

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SAMPLE DATE: 2012-02-15;2012-02-14
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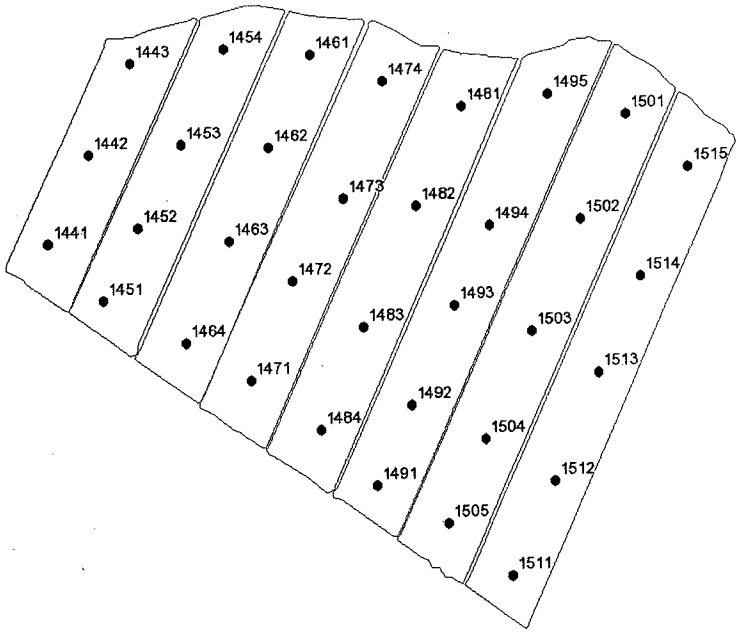
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 82.35

Field(s): Cove City 144-151

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	99	52 - 170
K-I:	82	57 - 107
Mg%:	17.5	12.0 - 24.0
Ca%:	60.6	51.0 - 80.0
pH:	5.90	5.30 - 6.90
Ac:	2.33	0.30 - 3.80
S-I:	53	41 - 69
Zn-I:	186	92 - 251
Zn-Al:	N/A	N/A
Mn-I:	41	30 - 70
Mn-Al:	N/A	N/A
Cu-I:	94	63 - 176
CEC:	12.4	10.2 - 14.0
HM%:	3.6	0.9 - 5.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1501	89.0	71.0	16.0	54.0	5.4	3.8	41.0	211.0	n/a	44.0	n/a	72.0	13.8	5.1
1502	142.0	98.0	19.0	56.0	5.7	2.8	52.0	251.0	n/a	47.0	n/a	96.0	13.0	4.6
1503	114.0	80.0	19.0	51.0	5.5	3.4	51.0	209.0	n/a	41.0	n/a	85.0	12.7	5.0
1504	101.0	84.0	18.0	53.0	5.5	3.2	57.0	184.0	n/a	36.0	n/a	92.0	12.7	4.7
1505	105.0	98.0	17.0	59.0	5.8	2.4	47.0	143.0	n/a	38.0	n/a	98.0	11.9	4.6
1511	112.0	86.0	24.0	67.0	6.9	0.8	47.0	138.0	n/a	42.0	n/a	90.0	13.6	2.8
1512	114.0	73.0	24.0	56.0	6.0	2.3	41.0	160.0	n/a	36.0	n/a	73.0	13.7	4.1
1513	137.0	95.0	19.0	56.0	5.7	2.9	45.0	211.0	n/a	41.0	n/a	91.0	13.4	4.1
1514	170.0	107.0	18.0	58.0	5.8	2.6	47.0	201.0	n/a	40.0	n/a	89.0	13.0	3.8
1515	135.0	64.0	20.0	59.0	5.9	2.3	46.0	162.0	n/a	30.0	n/a	63.0	12.5	3.6

Crop Production Services

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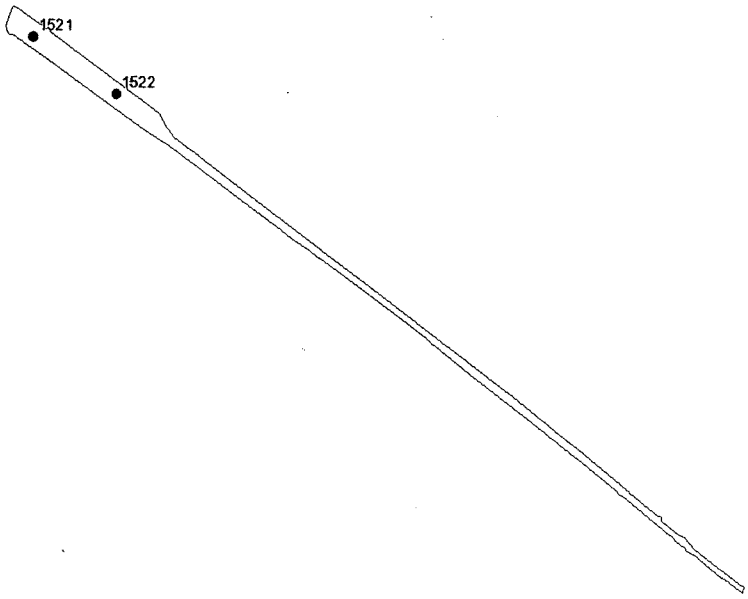
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 7.31

Field(s): Cove City 152

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	149	122 - 176
K-I:	74	61 - 88
Mg%:	11.5	11.0 - 12.0
Ca%:	59.5	50.0 - 69.0
pH:	5.45	5.20 - 5.70
Ac:	2.25	1.70 - 2.80
S-I:	73	62 - 84
Zn-I:	85	81 - 89
Zn-Al:	N/A	N/A
Mn-I:	32	30 - 33
Mn-Al:	N/A	N/A
Cu-I:	54	52 - 57
CEC:	9.5	8.2 - 10.8
HM%:	2.2	2.1 - 2.4

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 152														
1521	176.0	88.0	11.0	50.0	5.2	2.8	62.0	89.0	n/a	33.0	n/a	57.0	8.2	2.4
1522	122.0	61.0	12.0	69.0	5.7	1.7	84.0	81.0	n/a	30.0	n/a	52.0	10.8	2.1

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SAMPLE DATE: 2012-02-15;2012-02-14
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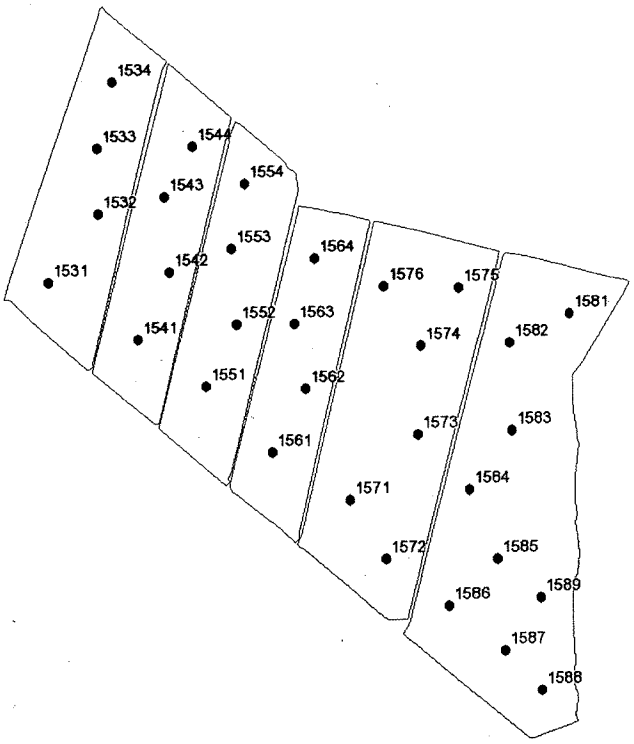
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 81.99

Field(s): Cove City 153-158

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	148	115 - 205
K-I:	95	71 - 118
Mg%:	11.5	8.0 - 17.0
Ca%:	62.1	52.0 - 76.0
pH:	5.95	5.40 - 6.70
Ac:	2.17	0.90 - 3.50
S-I:	63	46 - 75
Zn-I:	116	71 - 163
Zn-Al:	N/A	N/A
Mn-I:	40	29 - 65
Mn-Al:	N/A	N/A
Cu-I:	100	71 - 290
CEC:	10.1	7.8 - 14.4
HM%:	3.7	1.7 - 5.5

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 153-158														
1531	143.0	117.0	12.0	55.0	5.6	2.7	64.0	97.0	n/a	35.0	n/a	76.0	10.0	4.2
1532	130.0	85.0	8.0	52.0	5.4	3.5	63.0	134.0	n/a	38.0	n/a	79.0	9.8	5.5
1533	128.0	92.0	11.0	54.0	5.7	2.8	63.0	116.0	n/a	32.0	n/a	73.0	9.5	4.7
1534	134.0	99.0	17.0	60.0	5.8	2.8	67.0	163.0	n/a	29.0	n/a	290.0	14.0	5.4
1541	137.0	111.0	15.0	63.0	5.8	2.6	70.0	148.0	n/a	30.0	n/a	108.0	14.4	5.1
1542	172.0	109.0	12.0	64.0	6.0	2.1	67.0	147.0	n/a	41.0	n/a	122.0	11.2	3.8
1543	165.0	107.0	12.0	62.0	5.9	2.5	61.0	143.0	n/a	39.0	n/a	110.0	11.8	4.4
1544	181.0	110.0	12.0	65.0	6.1	2.1	62.0	137.0	n/a	39.0	n/a	111.0	11.4	3.7
1551	160.0	71.0	11.0	66.0	6.1	1.7	74.0	71.0	n/a	40.0	n/a	84.0	8.9	3.0
1552	155.0	104.0	10.0	55.0	5.7	2.6	75.0	104.0	n/a	37.0	n/a	77.0	8.9	4.7
1553	151.0	82.0	11.0	53.0	5.6	2.8	70.0	117.0	n/a	34.0	n/a	78.0	8.9	5.0
1554	157.0	109.0	14.0	58.0	5.9	2.4	67.0	125.0	n/a	37.0	n/a	84.0	10.4	4.6
1561	150.0	101.0	12.0	60.0	5.9	2.6	65.0	121.0	n/a	38.0	n/a	106.0	10.9	4.8
1562	170.0	110.0	10.0	62.0	6.0	2.3	66.0	113.0	n/a	38.0	n/a	80.0	10.2	4.4
1563	122.0	118.0	10.0	57.0	5.8	3.0	72.0	111.0	n/a	30.0	n/a	71.0	11.1	5.4
1564	150.0	79.0	13.0	63.0	5.9	2.1	75.0	87.0	n/a	32.0	n/a	81.0	10.2	3.8
1571	142.0	118.0	13.0	59.0	5.9	2.4	63.0	95.0	n/a	39.0	n/a	76.0	10.9	4.7
1572	144.0	77.0	11.0	72.0	6.5	0.9	62.0	130.0	n/a	58.0	n/a	108.0	7.8	2.3
1573	155.0	107.0	10.0	56.0	5.7	2.6	59.0	87.0	n/a	38.0	n/a	78.0	9.3	4.0
1574	115.0	112.0	10.0	57.0	5.7	2.6	63.0	84.0	n/a	35.0	n/a	77.0	9.6	4.3
1575	144.0	92.0	13.0	61.0	6.0	1.9	73.0	86.0	n/a	30.0	n/a	86.0	9.1	2.9
1576	166.0	97.0	11.0	66.0	6.2	1.7	71.0	103.0	n/a	36.0	n/a	92.0	9.9	2.6
1581	205.0	87.0	13.0	76.0	6.7	0.9	63.0	151.0	n/a	65.0	n/a	143.0	11.0	1.7
1582	146.0	81.0	14.0	72.0	6.5	1.0	50.0	109.0	n/a	46.0	n/a	119.0	10.2	1.9

Crop Production Services

SAMPLE DATE: 2012-02-15;2012-02-14
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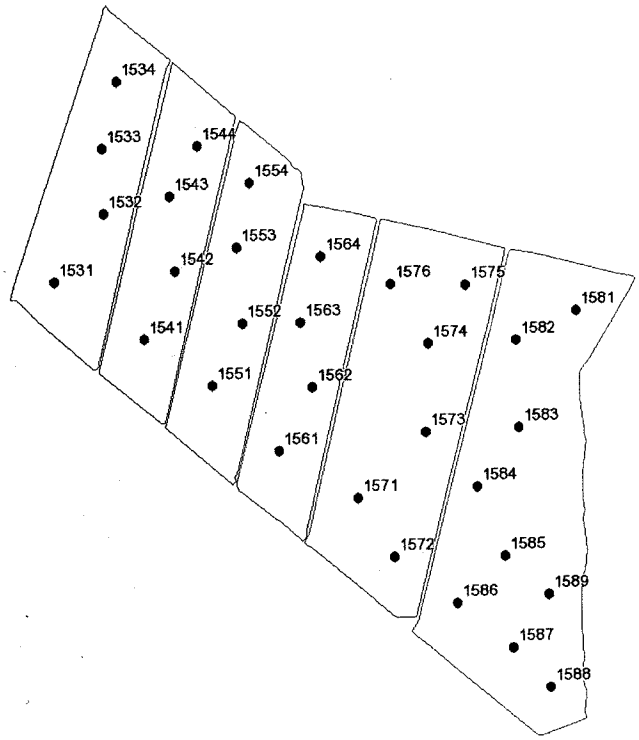
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 81.99

Field(s): Cove City 153-158

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	148	115 - 205
K-I:	95	71 - 118
Mg%:	11.5	8.0 - 17.0
Ca%:	62.1	52.0 - 76.0
pH:	5.95	5.40 - 6.70
Ac:	2.17	0.90 - 3.50
S-I:	63	46 - 75
Zn-I:	116	71 - 163
Zn-Al:	N/A	N/A
Mn-I:	40	29 - 65
Mn-Al:	N/A	N/A
Cu-I:	100	71 - 290
CEC:	10.1	7.8 - 14.4
HM%:	3.7	1.7 - 5.5

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	1583	132.0	74.0	11.0	69.0	6.2	1.4	57.0	97.0	n/a	47.0	n/a	103.0	9.1	2.1
	1584	141.0	84.0	10.0	67.0	6.1	1.8	54.0	126.0	n/a	52.0	n/a	104.0	9.5	2.9
	1585	135.0	85.0	11.0	59.0	5.8	2.7	58.0	124.0	n/a	43.0	n/a	90.0	10.5	4.4
	1586	147.0	84.0	11.0	60.0	5.8	2.1	53.0	109.0	n/a	42.0	n/a	88.0	8.5	3.1
	1587	134.0	72.0	9.0	64.0	6.0	1.7	46.0	112.0	n/a	49.0	n/a	91.0	7.8	2.4
	1588	142.0	73.0	9.0	68.0	6.0	1.6	48.0	132.0	n/a	52.0	n/a	98.0	8.4	2.1
	1589	139.0	94.0	11.0	69.0	6.3	1.4	58.0	115.0	n/a	48.0	n/a	111.0	9.8	2.1

SAMPLE DATE: 2012-02-15;2012-02-14
ISSUED:10:27am EDT Mar29, 2012
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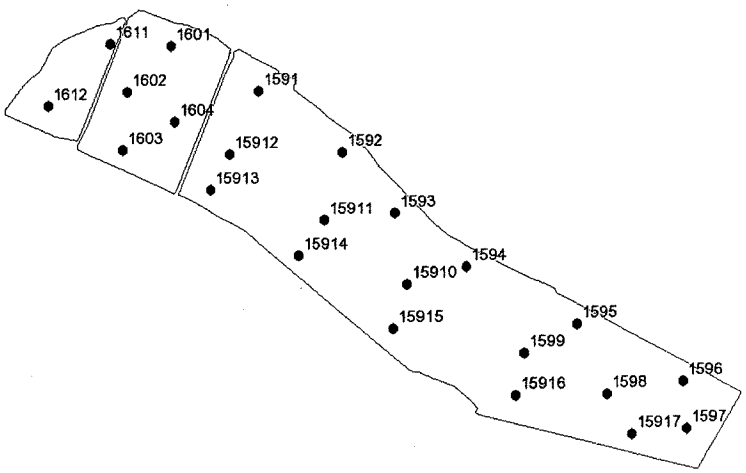
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 55.22

Field(s): Cove City 159-161

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	123	38 - 177
K-I:	83	48 - 112
Mg%:	13.3	9.0 - 19.0
Ca%:	65.6	53.0 - 78.0
pH:	6.04	5.50 - 6.60
Ac:	1.81	0.90 - 3.10
S-I:	66	37 - 98
Zn-I:	75	26 - 168
Zn-Al:	N/A	N/A
Mn-I:	36	16 - 57
Mn-Al:	N/A	N/A
Cu-I:	60	25 - 97
CEC:	10.7	8.0 - 14.5
HM%:	2.8	1.5 - 5.1

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 159-161														
1591	80.0	81.0	19.0	53.0	5.8	2.7	64.0	60.0	n/a	21.0	n/a	41.0	11.0	4.7
1592	134.0	102.0	15.0	61.0	6.0	1.9	67.0	69.0	n/a	31.0	n/a	70.0	10.1	3.4
1593	169.0	102.0	10.0	64.0	6.1	1.6	42.0	142.0	n/a	49.0	n/a	95.0	8.0	1.9
1594	133.0	112.0	10.0	71.0	6.4	1.3	37.0	122.0	n/a	45.0	n/a	97.0	10.0	1.9
1595	166.0	98.0	10.0	68.0	6.1	1.6	42.0	168.0	n/a	39.0	n/a	90.0	9.1	2.4
1596	139.0	83.0	13.0	71.0	6.5	0.9	61.0	87.0	n/a	57.0	n/a	87.0	8.2	1.5
1597	123.0	57.0	11.0	72.0	6.3	1.1	75.0	56.0	n/a	47.0	n/a	67.0	8.0	1.7
1598	146.0	90.0	14.0	68.0	6.3	1.2	78.0	75.0	n/a	47.0	n/a	79.0	9.2	2.0
1599	143.0	64.0	15.0	60.0	5.8	1.8	65.0	76.0	n/a	40.0	n/a	82.0	8.4	2.3
1601	84.0	90.0	11.0	58.0	5.6	2.8	70.0	50.0	n/a	24.0	n/a	31.0	10.7	4.1
1602	109.0	71.0	19.0	63.0	5.8	2.2	98.0	61.0	n/a	28.0	n/a	32.0	14.5	4.2
1603	108.0	68.0	15.0	61.0	5.6	2.7	65.0	63.0	n/a	26.0	n/a	29.0	12.4	4.1
1604	89.0	107.0	14.0	59.0	5.7	2.6	71.0	45.0	n/a	24.0	n/a	26.0	11.3	3.4
1611	64.0	56.0	15.0	59.0	5.6	3.1	82.0	44.0	n/a	20.0	n/a	25.0	13.1	5.1
1612	122.0	60.0	15.0	59.0	5.5	2.8	68.0	80.0	n/a	39.0	n/a	33.0	12.2	4.1
15910	129.0	81.0	13.0	72.0	6.6	1.0	46.0	113.0	n/a	44.0	n/a	90.0	9.3	1.8
15911	124.0	48.0	13.0	64.0	6.1	1.6	55.0	58.0	n/a	31.0	n/a	68.0	8.4	2.3
15912	38.0	102.0	11.0	62.0	5.9	2.4	68.0	26.0	n/a	16.0	n/a	29.0	11.2	2.4
15913	137.0	91.0	14.0	70.0	6.1	1.4	78.0	57.0	n/a	26.0	n/a	41.0	12.0	1.9
15914	119.0	74.0	13.0	74.0	6.2	1.4	70.0	50.0	n/a	31.0	n/a	55.0	13.6	2.7
15915	154.0	100.0	12.0	78.0	6.5	1.0	58.0	72.0	n/a	39.0	n/a	65.0	14.5	2.7
15916	131.0	91.0	14.0	75.0	6.5	0.9	77.0	66.0	n/a	44.0	n/a	67.0	12.3	2.4
15917	177.0	86.0	9.0	66.0	5.9	1.6	73.0	79.0	n/a	53.0	n/a	76.0	8.2	2.1

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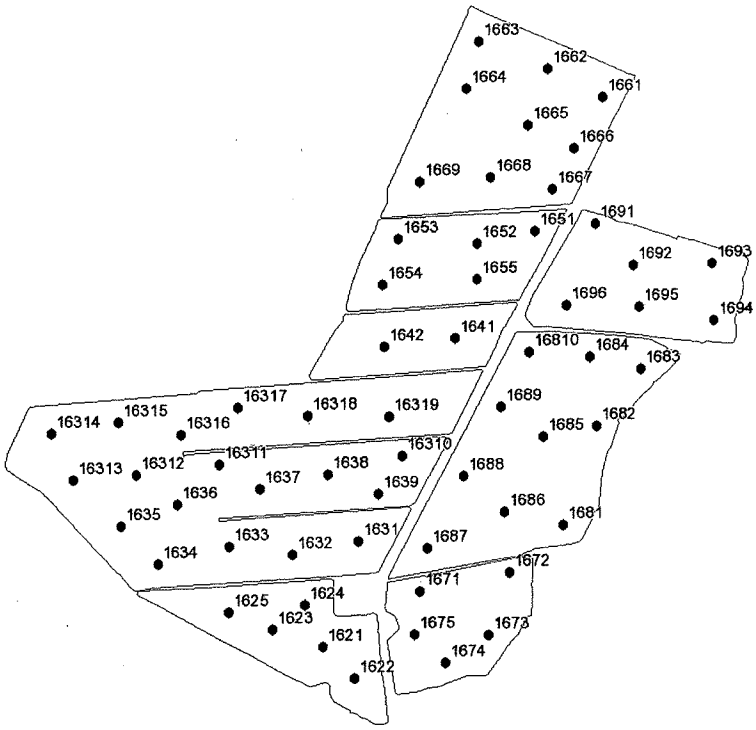
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 159.09

Field(s): Cove City 162-169

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	133	77 - 304
K-I:	87	58 - 150
Mg%:	11.1	6.0 - 16.0
Ca%:	66.0	52.0 - 77.0
pH:	6.15	5.70 - 6.70
Ac:	1.36	0.60 - 2.20
S-I:	56	35 - 98
Zn-I:	106	64 - 204
Zn-Al:	N/A	N/A
Mn-I:	51	33 - 85
Mn-Al:	N/A	N/A
Cu-I:	96	29 - 205
CEC:	7.9	5.0 - 10.5
HM%:	1.8	0.6 - 2.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Cove City 162-169														
1621	247.0	74.0	10.0	68.0	6.2	1.0	67.0	101.0	n/a	67.0	n/a	90.0	6.1	1.1
1622	163.0	69.0	11.0	74.0	6.4	0.7	64.0	111.0	n/a	64.0	n/a	112.0	6.8	1.2
1623	142.0	90.0	10.0	65.0	5.9	1.4	57.0	87.0	n/a	50.0	n/a	90.0	7.5	1.8
1624	155.0	102.0	10.0	65.0	6.0	1.4	59.0	93.0	n/a	49.0	n/a	86.0	7.5	1.6
1625	143.0	93.0	13.0	65.0	6.0	1.3	70.0	93.0	n/a	50.0	n/a	94.0	8.2	1.7
1631	163.0	90.0	10.0	64.0	6.0	1.7	74.0	111.0	n/a	52.0	n/a	99.0	8.3	2.6
1632	105.0	74.0	9.0	65.0	6.0	1.4	80.0	96.0	n/a	50.0	n/a	90.0	6.7	1.9
1633	109.0	77.0	13.0	69.0	6.3	1.0	75.0	89.0	n/a	48.0	n/a	83.0	7.9	1.7
1634	119.0	87.0	13.0	70.0	6.3	1.0	62.0	94.0	n/a	49.0	n/a	113.0	8.5	1.3
1635	77.0	86.0	7.0	67.0	6.1	1.2	76.0	85.0	n/a	47.0	n/a	69.0	6.4	1.4
1636	123.0	101.0	11.0	67.0	6.2	1.4	75.0	105.0	n/a	47.0	n/a	86.0	8.8	2.1
1637	113.0	143.0	13.0	68.0	6.2	1.3	77.0	108.0	n/a	41.0	n/a	122.0	10.5	2.5
1638	88.0	87.0	15.0	72.0	6.5	0.7	80.0	99.0	n/a	44.0	n/a	121.0	9.1	1.8
1639	127.0	140.0	13.0	58.0	5.8	2.1	72.0	75.0	n/a	33.0	n/a	108.0	9.5	2.9
1641	89.0	84.0	11.0	68.0	5.9	1.3	47.0	116.0	n/a	41.0	n/a	74.0	8.1	1.9
1642	112.0	67.0	14.0	72.0	6.2	1.0	47.0	125.0	n/a	49.0	n/a	111.0	9.2	1.9
1651	107.0	83.0	13.0	70.0	6.3	1.0	40.0	126.0	n/a	56.0	n/a	115.0	8.6	1.6
1652	110.0	84.0	12.0	71.0	6.3	1.1	44.0	133.0	n/a	65.0	n/a	110.0	8.9	2.0
1653	116.0	101.0	12.0	65.0	5.9	1.6	41.0	102.0	n/a	55.0	n/a	105.0	9.1	2.3
1654	143.0	79.0	15.0	71.0	6.3	1.0	69.0	146.0	n/a	74.0	n/a	205.0	10.2	1.8
1655	112.0	69.0	16.0	71.0	6.5	0.9	58.0	106.0	n/a	61.0	n/a	105.0	9.3	1.7
1661	124.0	81.0	15.0	63.0	6.0	1.7	64.0	97.0	n/a	35.0	n/a	66.0	9.2	2.6
1662	110.0	81.0	12.0	61.0	6.0	1.8	59.0	107.0	n/a	39.0	n/a	80.0	7.9	2.7
1663	116.0	74.0	14.0	66.0	6.1	1.5	59.0	115.0	n/a	68.0	n/a	95.0	9.0	2.4

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SAMPLE DATE: 2012-02-15;2012-02-14
ISSUED:10:29am EDT Mar29, 2012
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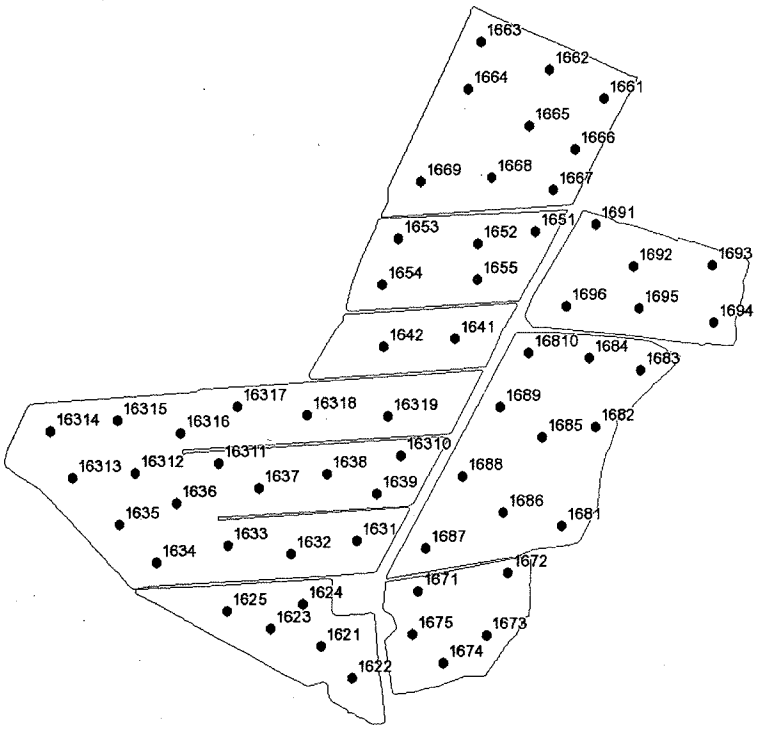
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 159.09

Field(s): Cove City 162-169

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	133	77 - 304
K-I:	87	58 - 150
Mg%:	11.1	6.0 - 16.0
Ca%:	66.0	52.0 - 77.0
pH:	6.15	5.70 - 6.70
Ac:	1.36	0.60 - 2.20
S-I:	56	35 - 98
Zn-I:	106	64 - 204
Zn-Al:	N/A	N/A
Mn-I:	51	33 - 85
Mn-Al:	N/A	N/A
Cu-I:	96	29 - 205
CEC:	7.9	5.0 - 10.5
HM%:	1.8	0.6 - 2.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1664	118.0	75.0	14.0	68.0	6.4	1.3	53.0	204.0	n/a	67.0	n/a	88.0	9.5	2.5
1665	131.0	105.0	12.0	62.0	6.2	1.6	48.0	142.0	n/a	50.0	n/a	98.0	8.1	1.9
1666	131.0	81.0	9.0	62.0	6.1	1.6	49.0	99.0	n/a	41.0	n/a	70.0	6.8	1.5
1667	115.0	93.0	12.0	68.0	6.2	1.2	51.0	113.0	n/a	40.0	n/a	68.0	8.4	1.6
1668	103.0	67.0	13.0	69.0	6.2	1.0	55.0	113.0	n/a	42.0	n/a	29.0	7.5	1.1
1669	78.0	58.0	12.0	77.0	6.6	0.6	98.0	87.0	n/a	48.0	n/a	41.0	8.1	1.0
1671	224.0	70.0	9.0	64.0	6.3	1.4	60.0	96.0	n/a	47.0	n/a	107.0	6.6	1.7
1672	158.0	111.0	10.0	58.0	5.8	1.8	41.0	73.0	n/a	41.0	n/a	77.0	7.3	1.6
1673	258.0	100.0	8.0	52.0	5.9	2.0	61.0	76.0	n/a	47.0	n/a	105.0	6.2	1.5
1674	304.0	80.0	8.0	61.0	6.3	1.2	52.0	107.0	n/a	67.0	n/a	113.0	5.1	0.6
1675	282.0	71.0	6.0	58.0	6.0	1.4	47.0	111.0	n/a	72.0	n/a	110.0	5.0	0.7
1681	155.0	108.0	11.0	63.0	6.0	1.8	61.0	101.0	n/a	47.0	n/a	91.0	9.1	2.2
1682	126.0	82.0	13.0	65.0	6.2	1.3	57.0	128.0	n/a	49.0	n/a	103.0	7.8	1.6
1683	133.0	75.0	12.0	72.0	6.5	1.1	41.0	148.0	n/a	52.0	n/a	99.0	8.7	1.6
1684	120.0	89.0	11.0	66.0	6.1	1.4	42.0	114.0	n/a	53.0	n/a	94.0	8.1	1.2
1685	176.0	150.0	11.0	58.0	5.8	2.2	55.0	102.0	n/a	46.0	n/a	108.0	9.6	2.5
1686	136.0	92.0	11.0	68.0	6.3	1.2	55.0	102.0	n/a	54.0	n/a	99.0	7.6	1.6
1687	160.0	118.0	10.0	66.0	5.9	1.9	52.0	95.0	n/a	50.0	n/a	104.0	10.1	2.8
1688	179.0	103.0	11.0	65.0	6.0	1.7	38.0	120.0	n/a	85.0	n/a	131.0	9.6	1.9
1689	136.0	90.0	10.0	70.0	6.3	1.2	41.0	117.0	n/a	56.0	n/a	104.0	8.5	1.6
1691	82.0	66.0	11.0	74.0	6.7	0.7	36.0	104.0	n/a	51.0	n/a	94.0	6.6	0.9
1692	122.0	101.0	10.0	57.0	5.9	2.0	46.0	111.0	n/a	51.0	n/a	100.0	7.5	2.1
1693	120.0	86.0	11.0	66.0	6.2	1.2	45.0	135.0	n/a	51.0	n/a	106.0	7.0	1.2
1694	121.0	84.0	12.0	65.0	6.0	1.6	40.0	109.0	n/a	50.0	n/a	109.0	8.7	2.1
1695	103.0	64.0	11.0	63.0	6.1	1.7	41.0	101.0	n/a	53.0	n/a	92.0	7.8	2.4

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SAMPLE DATE: 2012-02-15;2012-02-14
ISSUED:10:29am EDT Mar29, 2012
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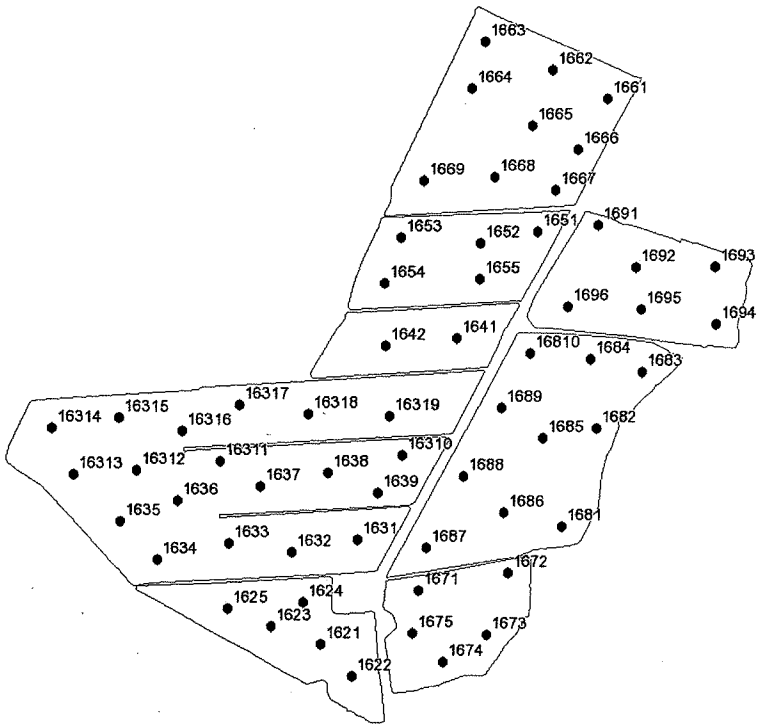
Field Sampler

NCDA Index Values

Grower: Derek Potter
Farm: Cove City
Acres: 159.09

Field(s): Cove City 162-169

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	133	77 - 304
K-I:	87	58 - 150
Mg%:	11.1	6.0 - 16.0
Ca%:	66.0	52.0 - 77.0
pH:	6.15	5.70 - 6.70
Ac:	1.36	0.60 - 2.20
S-I:	56	35 - 98
Zn-I:	106	64 - 204
Zn-Al:	N/A	N/A
Mn-I:	51	33 - 85
Mn-Al:	N/A	N/A
Cu-I:	96	29 - 205
CEC:	7.9	5.0 - 10.5
HM%:	1.8	0.6 - 2.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1696	90.0	70.0	13.0	65.0	6.0	1.4	47.0	73.0	n/a	42.0	n/a	89.0	7.7	1.8
16310	79.0	77.0	13.0	72.0	6.4	0.8	44.0	83.0	n/a	35.0	n/a	89.0	7.5	1.4
16311	96.0	66.0	9.0	67.0	6.2	1.3	40.0	83.0	n/a	51.0	n/a	84.0	6.7	1.9
16312	136.0	73.0	8.0	71.0	6.4	0.8	68.0	119.0	n/a	62.0	n/a	110.0	5.7	1.1
16313	97.0	64.0	13.0	74.0	6.5	0.8	66.0	114.0	n/a	48.0	n/a	103.0	7.8	1.6
16314	102.0	78.0	11.0	71.0	6.4	1.1	67.0	115.0	n/a	51.0	n/a	103.0	7.9	2.4
16315	109.0	78.0	9.0	63.0	6.2	1.6	76.0	101.0	n/a	53.0	n/a	99.0	7.2	2.4
16316	135.0	120.0	9.0	57.0	5.7	2.0	52.0	64.0	n/a	45.0	n/a	85.0	7.7	2.3
16317	153.0	81.0	7.0	59.0	5.9	1.7	59.0	97.0	n/a	55.0	n/a	96.0	6.3	1.7
16318	148.0	107.0	9.0	62.0	6.0	1.8	58.0	93.0	n/a	46.0	n/a	90.0	8.1	2.7
16319	115.0	72.0	10.0	66.0	5.9	1.5	52.0	92.0	n/a	44.0	n/a	80.0	7.5	2.2
16810	97.0	84.0	9.0	67.0	6.1	1.5	35.0	80.0	n/a	33.0	n/a	73.0	8.1	1.7

Crop Production Services

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SAMPLE DATE: 2012-02-15;2012-02-14
ISSUED:10:29am EDT Mar29, 2012

Pamlico County FSA
Farm 2421 Tract 1817

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026) [illegible] boundaries and determinations, or contact NRCS.

Total Cropland Acres
1187.0

5	11.12		W	
6	11.28		W	
7	11.27		W	
8	11.34		W	
9	11.24		W	
10	11.18		W	
11	11.27		W	
12	11.42		W	
13	11.12		W	
14	11.18		W	
15	11.24		W	
16	11.32		W	
17	12.32		W	
18	6.28		W	
19	6.31		W	
20	6.42		W	
21	5.78		W	
22	5.82		W	
23	5.37		W	
24	6.82		W	
25	6.84		W	
26	6.82		W	
27	6.13		W	
28	6.18		W	
29	12.75		W	
30	12.25		W	
31	12.84		W	
32	11.52		W	
33	11.53		W	
34	11.24		W	
35	11.12		W	
36	10.78		W	
37	10.12		W	
38	10.14		W	
39	9.54		W	
40	9.78		W	
41	9.22		W	
42	9.07		W	
43	8.97		W	
44	8.27		W	
45	8.63		W	
46	12.29		W	
47	12.12		W	
48	10.81		W	
49	10.17		W	
50	24.75		W	

New Ditch

Field Sampler

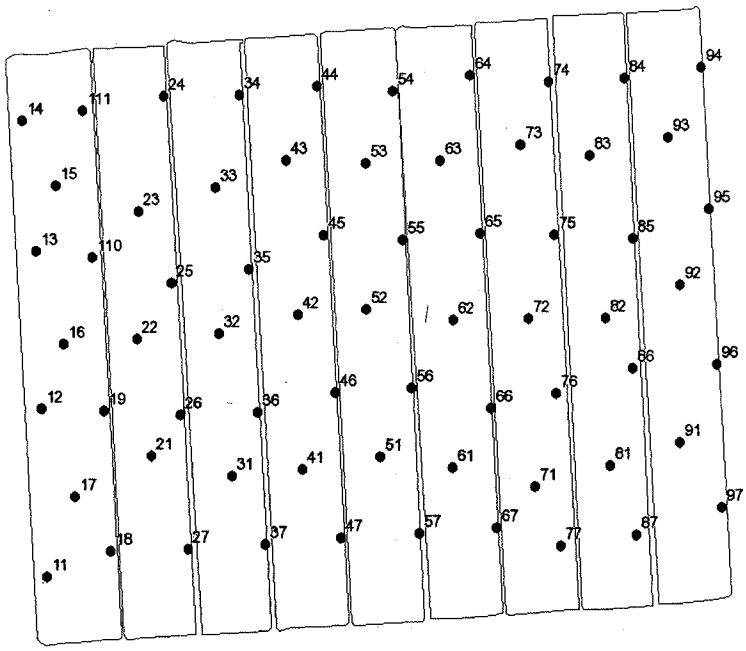
New Ditch

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 98.92

Field(s): Tingle Waters 1, Tingle Waters 2, Tingle Waters 3, Tingle Waters 4, Tingle Waters 5, Tingle Waters 6, Tingle Waters 7, Tingle Waters 8, Tingle Waters 9

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	100	53 - 162
K-I:	87	49 - 121
Mg%:	14.8	11.0 - 18.0
Ca%:	48.3	40.0 - 60.0
pH:	5.51	5.20 - 5.90
Ac:	3.09	2.00 - 3.80
S-I:	61	40 - 73
Zn-I:	95	48 - 170
Zn-Al:	N/A	N/A
Mn-I:	36	18 - 59
Mn-Al:	N/A	N/A
Cu-I:	57	25 - 186
CEC:	9.6	7.9 - 11.2
HM%:	5.5	3.4 - 7.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 1														
11	72.0	84.0	13.0	53.0	5.5	3.0	40.0	87.0	n/a	40.0	n/a	54.0	9.9	5.4
12	94.0	86.0	17.0	60.0	5.9	2.0	51.0	87.0	n/a	45.0	n/a	57.0	10.4	4.2
13	123.0	109.0	13.0	60.0	5.8	2.4	53.0	117.0	n/a	55.0	n/a	87.0	10.9	4.3
14	122.0	116.0	17.0	52.0	5.8	2.4	52.0	85.0	n/a	44.0	n/a	83.0	9.5	3.4
15	113.0	115.0	15.0	52.0	5.7	2.6	51.0	117.0	n/a	55.0	n/a	186.0	9.7	4.2
16	117.0	114.0	15.0	56.0	5.9	2.4	49.0	122.0	n/a	50.0	n/a	88.0	10.4	4.4
17	107.0	110.0	14.0	58.0	5.7	2.6	54.0	123.0	n/a	52.0	n/a	76.0	11.2	5.1
18	66.0	74.0	14.0	43.0	5.3	3.4	50.0	59.0	n/a	29.0	n/a	47.0	8.9	5.7
19	70.0	89.0	16.0	48.0	5.5	3.0	53.0	66.0	n/a	29.0	n/a	35.0	9.7	4.8
110	71.0	75.0	14.0	47.0	5.3	3.3	56.0	59.0	n/a	29.0	n/a	30.0	9.5	4.8
111	71.0	62.0	16.0	52.0	5.4	2.8	59.0	48.0	n/a	27.0	n/a	33.0	9.7	3.9
Tingle Waters 2														
21	100.0	120.0	15.0	54.0	5.7	2.9	67.0	100.0	n/a	51.0	n/a	61.0	10.9	5.4
22	99.0	105.0	15.0	52.0	5.5	3.1	63.0	115.0	n/a	51.0	n/a	148.0	10.8	5.7
23	111.0	121.0	14.0	52.0	5.6	2.9	66.0	127.0	n/a	51.0	n/a	86.0	10.2	5.1
24	73.0	83.0	16.0	46.0	5.3	3.4	68.0	62.0	n/a	27.0	n/a	39.0	10.0	5.1
25	61.0	87.0	14.0	42.0	5.2	3.8	62.0	63.0	n/a	28.0	n/a	33.0	9.7	6.8
26	56.0	76.0	15.0	43.0	5.3	3.5	65.0	55.0	n/a	24.0	n/a	27.0	9.0	7.0
27	61.0	83.0	14.0	42.0	5.2	3.7	67.0	61.0	n/a	28.0	n/a	32.0	9.3	7.0
Tingle Waters 3														
31	112.0	115.0	13.0	47.0	5.4	3.5	64.0	125.0	n/a	55.0	n/a	70.0	10.1	6.6
32	111.0	116.0	13.0	48.0	5.5	3.3	68.0	135.0	n/a	57.0	n/a	79.0	10.0	6.0
33	115.0	104.0	12.0	45.0	5.4	3.5	68.0	129.0	n/a	56.0	n/a	118.0	9.4	5.5
34	87.0	72.0	14.0	42.0	5.3	3.4	62.0	63.0	n/a	30.0	n/a	46.0	8.7	4.8

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SAMPLE DATE: 2012-03-15
ISSUED: 8:10am EDT Mar20, 2012
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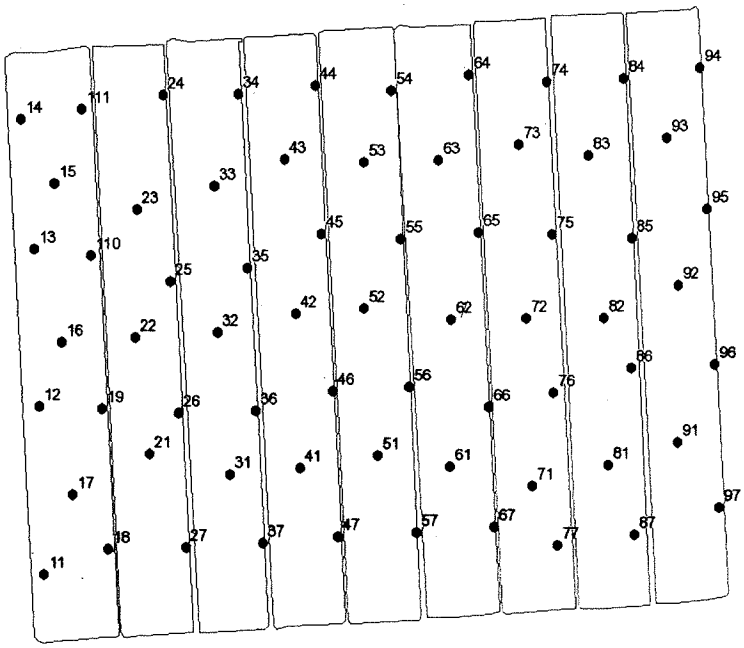
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 98.92

Field(s): Tingle Waters 1, Tingle Waters 2, Tingle Waters 3, Tingle Waters 4, Tingle Waters 5, Tingle Waters 6, Tingle Waters 7, Tingle Waters 8, Tingle Waters 9

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	100	53 - 162
K-I:	87	49 - 121
Mg%:	14.8	11.0 - 18.0
Ca%:	48.3	40.0 - 60.0
pH:	5.51	5.20 - 5.90
Ac:	3.09	2.00 - 3.80
S-I:	61	40 - 73
Zn-I:	95	48 - 170
Zn-Al:	N/A	N/A
Mn-I:	36	18 - 59
Mn-Al:	N/A	N/A
Cu-I:	57	25 - 186
CEC:	9.6	7.9 - 11.2
HM%:	5.5	3.4 - 7.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	35	75.0	72.0	16.0	45.0	5.3	3.4	62.0	70.0	n/a	28.0	n/a	35.0	9.6	5.7
	36	75.0	68.0	15.0	44.0	5.3	3.6	73.0	78.0	n/a	29.0	n/a	47.0	9.5	6.2
	37	59.0	79.0	14.0	42.0	5.2	3.7	62.0	65.0	n/a	29.0	n/a	35.0	9.3	6.4
Tingle Waters 4															
	41	109.0	89.0	17.0	53.0	5.7	2.8	60.0	136.0	n/a	46.0	n/a	73.0	10.9	5.8
	42	117.0	100.0	17.0	53.0	5.7	2.7	56.0	139.0	n/a	49.0	n/a	78.0	10.6	5.5
	43	123.0	100.0	17.0	50.0	5.7	2.8	53.0	128.0	n/a	49.0	n/a	74.0	10.0	4.6
	44	83.0	57.0	18.0	45.0	5.5	3.2	59.0	68.0	n/a	26.0	n/a	40.0	9.3	4.7
	45	84.0	59.0	17.0	46.0	5.4	3.2	66.0	78.0	n/a	24.0	n/a	40.0	9.3	5.1
	46	53.0	49.0	16.0	43.0	5.3	3.5	59.0	54.0	n/a	18.0	n/a	26.0	9.0	5.7
	47	66.0	66.0	15.0	42.0	5.3	3.6	61.0	58.0	n/a	20.0	n/a	30.0	9.3	5.7
Tingle Waters 5															
	51	134.0	110.0	14.0	52.0	5.6	3.1	57.0	146.0	n/a	48.0	n/a	88.0	10.6	5.7
	52	140.0	103.0	14.0	53.0	5.6	3.0	57.0	170.0	n/a	54.0	n/a	97.0	10.7	5.5
	53	150.0	112.0	13.0	52.0	5.6	3.2	59.0	147.0	n/a	59.0	n/a	97.0	10.6	5.2
	54	89.0	69.0	17.0	49.0	5.5	3.1	49.0	69.0	n/a	31.0	n/a	51.0	9.9	4.8
	55	89.0	69.0	17.0	48.0	5.6	3.2	56.0	80.0	n/a	28.0	n/a	49.0	9.9	5.5
	56	78.0	61.0	16.0	46.0	5.4	3.4	65.0	74.0	n/a	27.0	n/a	43.0	9.7	6.4
	57	83.0	76.0	15.0	43.0	5.4	3.4	68.0	64.0	n/a	23.0	n/a	38.0	8.9	5.5
Tingle Waters 6															
	61	151.0	115.0	12.0	49.0	5.5	3.1	68.0	134.0	n/a	49.0	n/a	75.0	9.5	5.8
	62	162.0	105.0	14.0	51.0	5.6	2.9	63.0	146.0	n/a	47.0	n/a	75.0	9.6	5.5
	63	153.0	119.0	12.0	47.0	5.5	3.2	66.0	130.0	n/a	47.0	n/a	80.0	9.4	5.4
	64	100.0	69.0	17.0	44.0	5.4	3.2	63.0	69.0	n/a	24.0	n/a	41.0	9.1	4.8
	65	85.0	60.0	18.0	45.0	5.4	3.1	57.0	69.0	n/a	22.0	n/a	32.0	9.3	5.4

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SAMPLE DATE: 2012-03-15
ISSUED: 8:10am EDT Mar20, 2012
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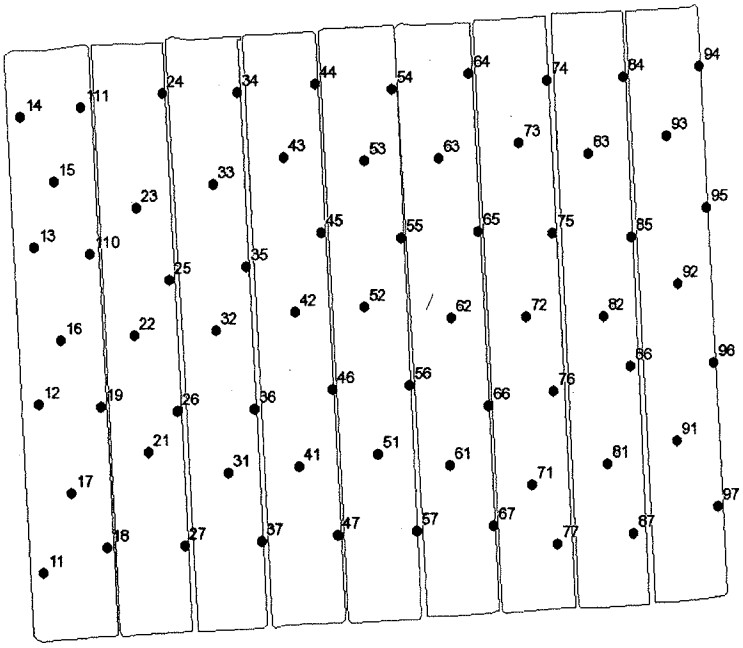
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 98.92

Field(s): Tingle Waters 1, Tingle Waters 2, Tingle Waters 3, Tingle Waters 4, Tingle Waters 5, Tingle Waters 6, Tingle Waters 7, Tingle Waters 8, Tingle Waters 9

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	100	53 - 162
K-I:	87	49 - 121
Mg%:	14.8	11.0 - 18.0
Ca%:	48.3	40.0 - 60.0
pH:	5.51	5.20 - 5.90
Ac:	3.09	2.00 - 3.80
S-I:	61	40 - 73
Zn-I:	95	48 - 170
Zn-Al:	N/A	N/A
Mn-I:	36	18 - 59
Mn-Al:	N/A	N/A
Cu-I:	57	25 - 186
CEC:	9.6	7.9 - 11.2
HM%:	5.5	3.4 - 7.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	66	82.0	66.0	15.0	41.0	5.3	3.7	57.0	72.0	n/a	23.0	n/a	29.0	9.1	6.6
	67	85.0	72.0	15.0	41.0	5.2	3.6	68.0	64.0	n/a	25.0	n/a	34.0	9.0	6.0
Tingle Waters 7															
	71	155.0	104.0	11.0	53.0	5.6	3.2	71.0	111.0	n/a	49.0	n/a	73.0	10.2	5.2
	72	132.0	107.0	12.0	54.0	5.6	3.1	66.0	147.0	n/a	41.0	n/a	73.0	10.6	6.6
	73	155.0	108.0	13.0	55.0	5.8	2.7	68.0	130.0	n/a	41.0	n/a	62.0	10.1	6.0
	74	96.0	78.0	17.0	51.0	5.6	2.8	66.0	76.0	n/a	21.0	n/a	39.0	9.8	5.5
	75	94.0	76.0	18.0	50.0	5.7	2.7	70.0	79.0	n/a	20.0	n/a	25.0	9.4	6.0
	76	95.0	81.0	17.0	53.0	5.7	2.6	71.0	66.0	n/a	23.0	n/a	27.0	10.1	5.0
	77	102.0	83.0	14.0	45.0	5.3	3.2	67.0	71.0	n/a	25.0	n/a	33.0	8.8	5.4
Tingle Waters 8															
	81	142.0	106.0	11.0	47.0	5.5	3.1	54.0	122.0	n/a	44.0	n/a	67.0	8.5	6.2
	82	143.0	99.0	12.0	54.0	5.7	2.8	52.0	160.0	n/a	50.0	n/a	82.0	9.8	6.2
	83	145.0	91.0	12.0	52.0	5.7	2.7	59.0	130.0	n/a	43.0	n/a	68.0	8.8	5.7
	84	92.0	67.0	18.0	47.0	5.6	2.7	66.0	77.0	n/a	21.0	n/a	35.0	8.7	4.8
	85	99.0	77.0	18.0	50.0	5.7	2.7	71.0	79.0	n/a	23.0	n/a	39.0	9.4	5.7
	86	69.0	66.0	15.0	41.0	5.4	3.2	68.0	64.0	n/a	21.0	n/a	27.0	7.9	5.7
	87	91.0	72.0	15.0	44.0	5.4	3.2	66.0	69.0	n/a	21.0	n/a	28.0	8.5	5.7
Tingle Waters 9															
	91	129.0	91.0	12.0	47.0	5.6	3.2	61.0	127.0	n/a	45.0	n/a	68.0	8.9	5.7
	92	124.0	99.0	14.0	52.0	5.8	2.7	58.0	142.0	n/a	44.0	n/a	77.0	9.5	5.7
	93	67.0	77.0	13.0	40.0	5.4	3.4	59.0	56.0	n/a	20.0	n/a	27.0	7.9	6.0
	94	87.0	70.0	15.0	44.0	5.4	3.1	54.0	66.0	n/a	22.0	n/a	30.0	8.4	5.1
	95	76.0	79.0	14.0	43.0	5.4	3.1	60.0	68.0	n/a	21.0	n/a	34.0	8.3	6.2
	96	62.0	60.0	14.0	42.0	5.4	3.2	57.0	62.0	n/a	20.0	n/a	30.0	7.9	5.2

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SAMPLE DATE: 2012-03-15
ISSUED: 8:10am EDT Mar20, 2012
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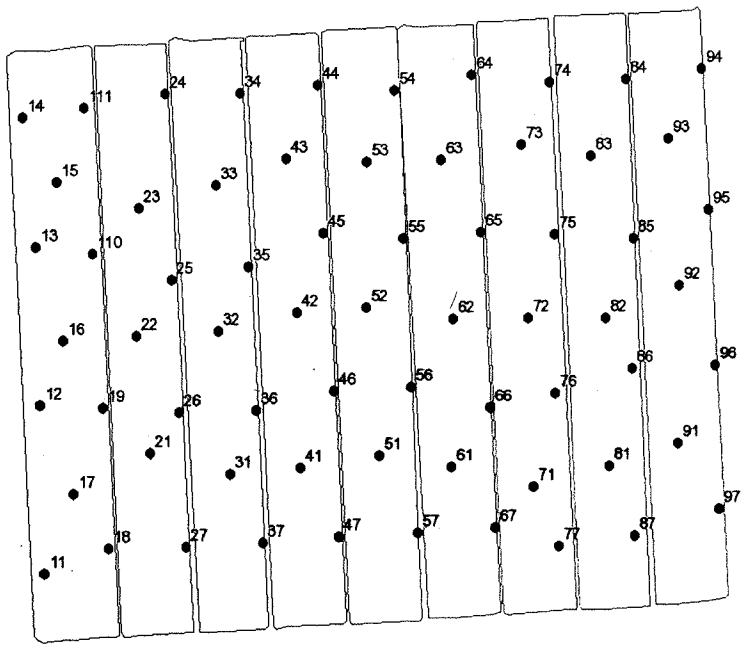
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 98.92

Field(s): Tingle Waters 1, Tingle Waters 2, Tingle Waters 3, Tingle Waters 4, Tingle Waters 5, Tingle Waters 6, Tingle Waters 7, Tingle Waters 8, Tingle Waters 9

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	100	53 - 162
K-I:	87	49 - 121
Mg%:	14.8	11.0 - 18.0
Ca%:	48.3	40.0 - 60.0
pH:	5.51	5.20 - 5.90
Ac:	3.09	2.00 - 3.80
S-I:	61	40 - 73
Zn-I:	95	48 - 170
Zn-Al:	N/A	N/A
Mn-I:	36	18 - 59
Mn-Al:	N/A	N/A
Cu-I:	57	25 - 186
CEC:	9.6	7.9 - 11.2
HM%:	5.5	3.4 - 7.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	97	115.0	103.0	15.0	54.0	5.9	2.7	58.0	138.0	n/a	43.0	n/a	76.0	10.1	5.7

Crop Production Services

SAMPLE DATE: 2012-03-15
ISSUED: 8:10am EDT Mar20, 2012

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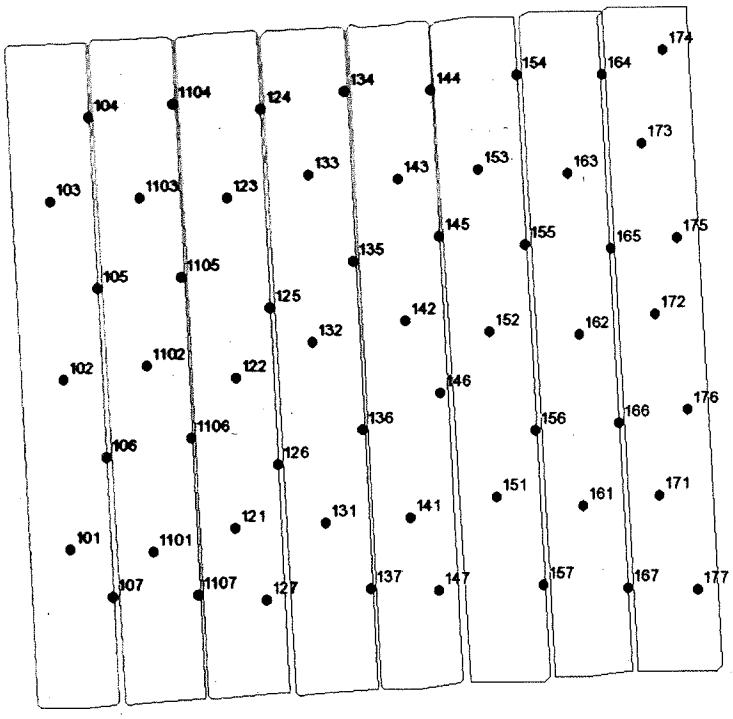
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 86.80

Field(s): Tingle Waters 10, Tingle Waters 11, Tingle Waters 12, Tingle Waters 13, Tingle Waters 14, Tingle Waters 15, Tingle Waters 16, Tingle Waters 17

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	87	45 - 137
K-I:	100	68 - 156
Mg%:	13.8	10.0 - 17.0
Ca%:	51.9	39.0 - 64.0
pH:	5.71	5.20 - 6.20
Ac:	2.90	2.10 - 3.90
S-I:	56	46 - 71
Zn-I:	80	40 - 123
Zn-Al:	N/A	N/A
Mn-I:	29	15 - 49
Mn-Al:	N/A	N/A
Cu-I:	53	25 - 92
CEC:	10.1	8.2 - 12.4
HM%:	6.3	3.5 - 8.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 10														
101	124.0	119.0	13.0	52.0	5.8	2.8	55.0	113.0	n/a	47.0	n/a	80.0	9.6	5.8
102	127.0	110.0	13.0	51.0	5.8	2.9	58.0	109.0	n/a	49.0	n/a	84.0	9.6	6.0
103	126.0	103.0	14.0	54.0	5.9	2.7	58.0	108.0	n/a	43.0	n/a	84.0	9.9	5.7
104	71.0	72.0	12.0	39.0	5.3	3.9	53.0	59.0	n/a	22.0	n/a	40.0	8.7	5.8
105	83.0	72.0	14.0	42.0	5.5	3.5	55.0	61.0	n/a	25.0	n/a	33.0	8.7	6.8
106	82.0	81.0	14.0	43.0	5.4	3.5	51.0	64.0	n/a	26.0	n/a	40.0	9.2	6.6
107	94.0	86.0	17.0	45.0	5.6	3.1	53.0	87.0	n/a	25.0	n/a	35.0	9.4	6.0
Tingle Waters 11														
1101	124.0	122.0	13.0	52.0	5.8	2.8	53.0	115.0	n/a	48.0	n/a	76.0	9.5	6.4
1102	125.0	117.0	14.0	51.0	5.8	3.0	52.0	105.0	n/a	43.0	n/a	82.0	10.2	6.6
1103	133.0	111.0	13.0	54.0	5.8	2.6	50.0	121.0	n/a	43.0	n/a	84.0	9.7	6.4
1104	75.0	78.0	16.0	47.0	5.6	2.8	57.0	50.0	n/a	22.0	n/a	33.0	8.6	5.4
1105	74.0	81.0	15.0	42.0	5.5	3.6	48.0	51.0	n/a	22.0	n/a	29.0	9.2	6.8
1106	66.0	74.0	17.0	46.0	5.5	3.0	56.0	53.0	n/a	19.0	n/a	33.0	9.0	6.2
1107	69.0	68.0	16.0	46.0	5.5	3.0	47.0	55.0	n/a	21.0	n/a	25.0	8.7	6.2
Tingle Waters 12														
121	104.0	106.0	10.0	52.0	5.7	3.1	51.0	91.0	n/a	39.0	n/a	52.0	9.6	8.0
122	137.0	133.0	10.0	56.0	5.8	2.9	56.0	116.0	n/a	46.0	n/a	69.0	10.6	7.7
123	133.0	132.0	12.0	56.0	5.8	2.8	57.0	113.0	n/a	43.0	n/a	64.0	10.7	7.7
124	83.0	77.0	13.0	46.0	5.3	3.5	57.0	58.0	n/a	22.0	n/a	30.0	9.5	7.5
125	84.0	94.0	15.0	51.0	5.6	3.0	57.0	59.0	n/a	24.0	n/a	38.0	10.4	6.6
126	80.0	83.0	16.0	50.0	5.6	2.8	61.0	45.0	n/a	20.0	n/a	28.0	9.6	5.8
127	76.0	78.0	16.0	53.0	5.6	2.8	52.0	56.0	n/a	22.0	n/a	32.0	10.3	6.6
Tingle Waters 13														

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SAMPLE DATE: 2012-03-15
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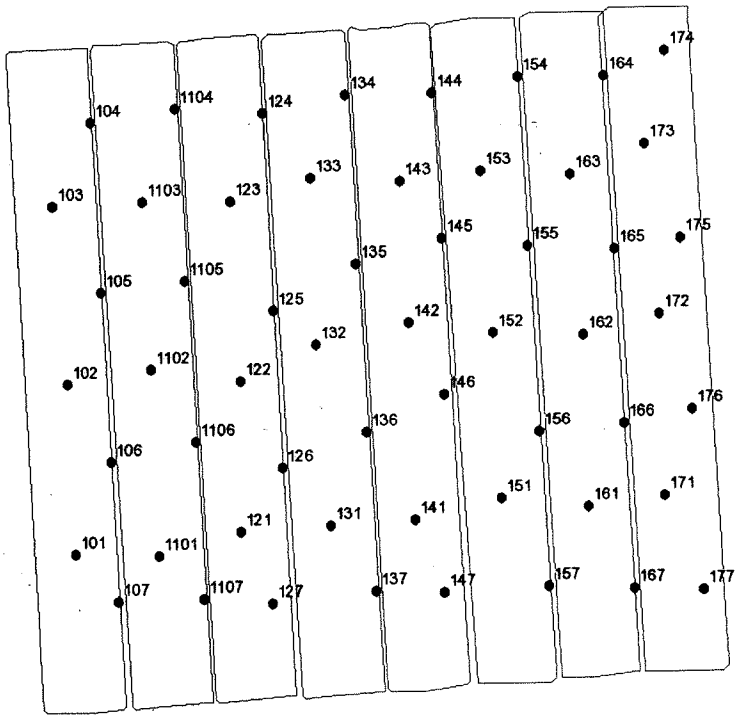
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 86.80

Field(s): Tingle Waters 10, Tingle Waters 11, Tingle Waters 12, Tingle Waters 13, Tingle Waters 14, Tingle Waters 15, Tingle Waters 16, Tingle Waters 17

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	87	45 - 137
K-I:	100	68 - 156
Mg%:	13.8	10.0 - 17.0
Ca%:	51.9	39.0 - 64.0
pH:	5.71	5.20 - 6.20
Ac:	2.90	2.10 - 3.90
S-I:	56	46 - 71
Zn-I:	80	40 - 123
Zn-Al:	N/A	N/A
Mn-I:	29	15 - 49
Mn-Al:	N/A	N/A
Cu-I:	53	25 - 92
CEC:	10.1	8.2 - 12.4
HM%:	6.3	3.5 - 8.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
131	116.0	122.0	11.0	50.0	5.6	3.1	57.0	106.0	n/a	36.0	n/a	58.0	9.4	7.2
132	112.0	156.0	11.0	56.0	5.8	2.7	54.0	106.0	n/a	35.0	n/a	68.0	10.6	6.8
133	113.0	126.0	11.0	56.0	5.8	2.8	52.0	104.0	n/a	33.0	n/a	67.0	10.4	7.0
134	85.0	82.0	15.0	53.0	5.6	2.7	62.0	58.0	n/a	20.0	n/a	38.0	9.7	6.6
135	86.0	92.0	14.0	51.0	5.5	3.1	68.0	54.0	n/a	20.0	n/a	36.0	10.2	6.4
136	80.0	75.0	13.0	48.0	5.4	3.4	71.0	49.0	n/a	27.0	n/a	34.0	9.7	6.2
137	63.0	78.0	13.0	46.0	5.3	3.6	70.0	53.0	n/a	17.0	n/a	31.0	9.8	7.2
Tingle Waters 14														
141	95.0	140.0	13.0	53.0	5.8	2.9	58.0	98.0	n/a	36.0	n/a	65.0	10.5	7.0
142	95.0	121.0	14.0	54.0	5.7	2.8	57.0	123.0	n/a	38.0	n/a	70.0	10.3	7.5
143	88.0	118.0	15.0	57.0	5.9	2.6	55.0	117.0	n/a	34.0	n/a	80.0	11.5	7.5
144	79.0	78.0	15.0	50.0	5.5	3.0	60.0	82.0	n/a	21.0	n/a	38.0	9.8	6.4
145	74.0	79.0	16.0	47.0	5.3	3.1	54.0	51.0	n/a	20.0	n/a	27.0	9.3	6.0
146	86.0	86.0	16.0	53.0	5.7	2.6	55.0	53.0	n/a	20.0	n/a	32.0	9.7	5.7
147	64.0	80.0	13.0	44.0	5.2	3.2	60.0	44.0	n/a	18.0	n/a	28.0	8.4	6.0
Tingle Waters 15														
151	101.0	147.0	14.0	62.0	6.1	2.2	51.0	108.0	n/a	27.0	n/a	77.0	12.2	6.6
152	99.0	132.0	15.0	60.0	6.0	2.4	50.0	116.0	n/a	34.0	n/a	79.0	11.9	6.8
153	102.0	142.0	15.0	61.0	6.1	2.3	46.0	120.0	n/a	34.0	n/a	84.0	12.3	6.6
154	71.0	72.0	15.0	45.0	5.3	3.5	56.0	56.0	n/a	17.0	n/a	33.0	9.6	6.8
155	65.0	77.0	14.0	44.0	5.5	3.2	62.0	40.0	n/a	15.0	n/a	26.0	8.5	7.0
156	80.0	76.0	15.0	52.0	5.6	3.1	59.0	44.0	n/a	15.0	n/a	27.0	10.3	6.4
157	52.0	78.0	14.0	47.0	5.5	3.5	62.0	51.0	n/a	18.0	n/a	30.0	10.1	6.2
Tingle Waters 16														
161	77.0	115.0	14.0	59.0	6.1	2.7	53.0	110.0	n/a	33.0	n/a	68.0	12.1	6.4

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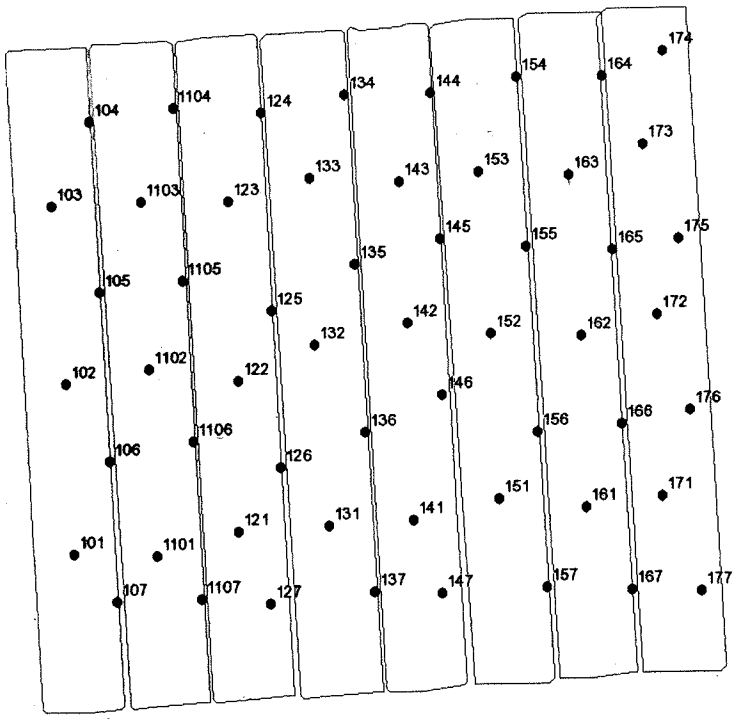
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 86.80

Field(s): Tingle Waters 10, Tingle Waters 11, Tingle Waters 12, Tingle Waters 13, Tingle Waters 14, Tingle Waters 15, Tingle Waters 16, Tingle Waters 17

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	87	45 - 137
K-I:	100	68 - 156
Mg%:	13.8	10.0 - 17.0
Ca%:	51.9	39.0 - 64.0
pH:	5.71	5.20 - 6.20
Ac:	2.90	2.10 - 3.90
S-I:	56	46 - 71
Zn-I:	80	40 - 123
Zn-Al:	N/A	N/A
Mn-I:	29	15 - 49
Mn-Al:	N/A	N/A
Cu-I:	53	25 - 92
CEC:	10.1	8.2 - 12.4
HM%:	6.3	3.5 - 8.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	162	82.0	116.0	15.0	58.0	6.1	2.6	52.0	109.0	n/a	32.0	n/a	69.0	12.2	6.6
	163	81.0	122.0	15.0	59.0	6.1	2.6	52.0	121.0	n/a	32.0	n/a	78.0	12.4	6.4
	164	45.0	83.0	14.0	47.0	5.6	3.4	63.0	48.0	n/a	15.0	n/a	34.0	9.9	6.2
	165	58.0	88.0	17.0	49.0	5.7	3.2	64.0	47.0	n/a	16.0	n/a	30.0	10.8	6.2
	166	53.0	72.0	14.0	48.0	5.5	3.3	60.0	52.0	n/a	18.0	n/a	32.0	9.4	5.8
	167	65.0	81.0	16.0	53.0	5.8	2.8	58.0	51.0	n/a	18.0	n/a	36.0	10.1	5.2
Tingle Waters 17															
	171	73.0	112.0	12.0	64.0	6.2	2.3	47.0	101.0	n/a	32.0	n/a	78.0	12.1	5.5
	172	69.0	111.0	13.0	63.0	6.2	2.3	55.0	98.0	n/a	31.0	n/a	78.0	11.7	5.5
	173	84.0	117.0	13.0	63.0	6.2	2.3	57.0	114.0	n/a	37.0	n/a	92.0	12.3	6.0
	174	84.0	121.0	11.0	60.0	6.1	2.2	63.0	95.0	n/a	36.0	n/a	74.0	9.6	4.7
	175	75.0	113.0	10.0	55.0	5.9	2.3	54.0	76.0	n/a	35.0	n/a	70.0	8.2	3.5
	176	71.0	97.0	11.0	54.0	5.9	2.5	60.0	70.0	n/a	31.0	n/a	53.0	8.4	4.3
	177	68.0	104.0	12.0	59.0	6.1	2.1	56.0	74.0	n/a	37.0	n/a	60.0	8.8	4.0

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SAMPLE DATE: 2012-03-15
ISSUED: 8:15am EDT Mar20, 2012
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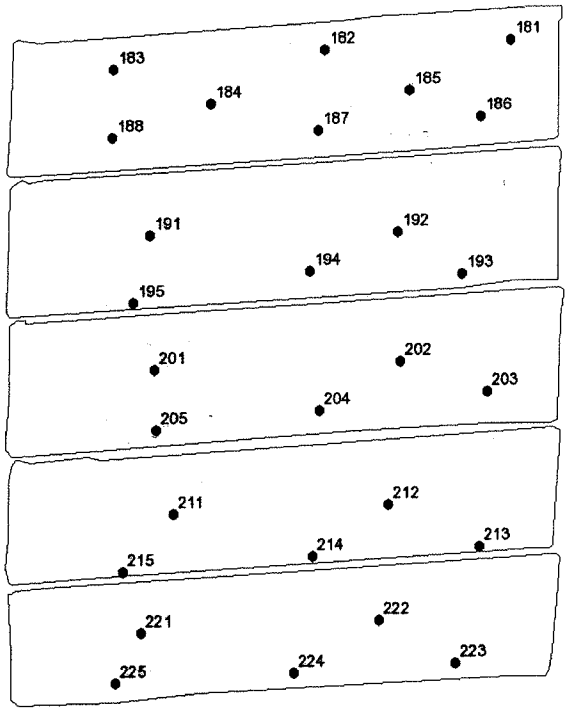
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 28.91

Field(s): Tingle Waters 18, Tingle Waters 19, Tingle Waters 20, Tingle Waters 21, Tingle Waters 22

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	88	33 - 154
K-I:	80	50 - 118
Mg%:	17.2	15.0 - 20.0
Ca%:	65.9	53.0 - 76.0
pH:	6.41	5.60 - 7.00
Ac:	1.16	0.40 - 2.20
S-I:	42	24 - 57
Zn-I:	94	28 - 171
Zn-Al:	N/A	N/A
Mn-I:	46	20 - 88
Mn-Al:	N/A	N/A
Cu-I:	90	39 - 149
CEC:	9.6	7.3 - 11.4
HM%:	1.4	1.1 - 1.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 18														
181	139.0	102.0	19.0	65.0	6.6	1.3	57.0	118.0	n/a	60.0	n/a	113.0	11.2	1.9
182	142.0	92.0	18.0	70.0	7.0	0.7	55.0	150.0	n/a	88.0	n/a	146.0	9.8	1.1
183	154.0	118.0	20.0	68.0	6.9	0.8	44.0	146.0	n/a	75.0	n/a	149.0	11.2	1.3
184	113.0	91.0	19.0	70.0	6.8	0.8	44.0	142.0	n/a	70.0	n/a	145.0	10.9	1.4
185	135.0	85.0	18.0	68.0	6.7	1.0	49.0	132.0	n/a	74.0	n/a	147.0	10.1	1.4
186	65.0	67.0	16.0	59.0	6.0	1.7	44.0	51.0	n/a	37.0	n/a	58.0	8.2	1.3
187	54.0	65.0	16.0	60.0	6.0	1.5	45.0	47.0	n/a	36.0	n/a	64.0	7.6	1.1
188	47.0	74.0	16.0	54.0	5.6	2.2	45.0	40.0	n/a	29.0	n/a	53.0	8.8	1.2
Tingle Waters 19														
191	112.0	100.0	18.0	67.0	6.6	1.1	48.0	125.0	n/a	60.0	n/a	112.0	10.8	1.7
192	128.0	91.0	18.0	70.0	7.0	0.7	56.0	171.0	n/a	83.0	n/a	126.0	10.6	1.6
193	60.0	61.0	17.0	60.0	6.0	1.5	42.0	51.0	n/a	29.0	n/a	53.0	7.6	1.4
194	52.0	56.0	17.0	61.0	6.1	1.4	35.0	47.0	n/a	27.0	n/a	73.0	7.6	1.4
195	50.0	72.0	17.0	53.0	5.6	2.2	29.0	40.0	n/a	23.0	n/a	53.0	8.5	1.6
Tingle Waters 20														
201	119.0	112.0	19.0	68.0	6.8	0.9	40.0	137.0	n/a	65.0	n/a	143.0	11.2	1.6
202	110.0	86.0	18.0	72.0	7.0	0.6	40.0	158.0	n/a	67.0	n/a	138.0	10.5	1.6
203	49.0	50.0	16.0	65.0	6.2	1.4	38.0	47.0	n/a	30.0	n/a	61.0	8.4	1.6
204	43.0	55.0	15.0	57.0	5.8	1.8	37.0	33.0	n/a	23.0	n/a	46.0	7.3	1.5
205	33.0	68.0	16.0	53.0	5.6	2.1	37.0	28.0	n/a	21.0	n/a	39.0	7.9	1.6
Tingle Waters 21														
211	107.0	110.0	18.0	68.0	6.7	1.0	42.0	152.0	n/a	56.0	n/a	144.0	10.7	1.6
212	99.0	115.0	17.0	70.0	6.7	0.9	35.0	164.0	n/a	51.0	n/a	124.0	11.2	1.6
213	39.0	57.0	16.0	71.0	6.5	1.1	24.0	62.0	n/a	24.0	n/a	51.0	10.1	1.1

Crop Production Services

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SAMPLE DATE: 2012-03-15
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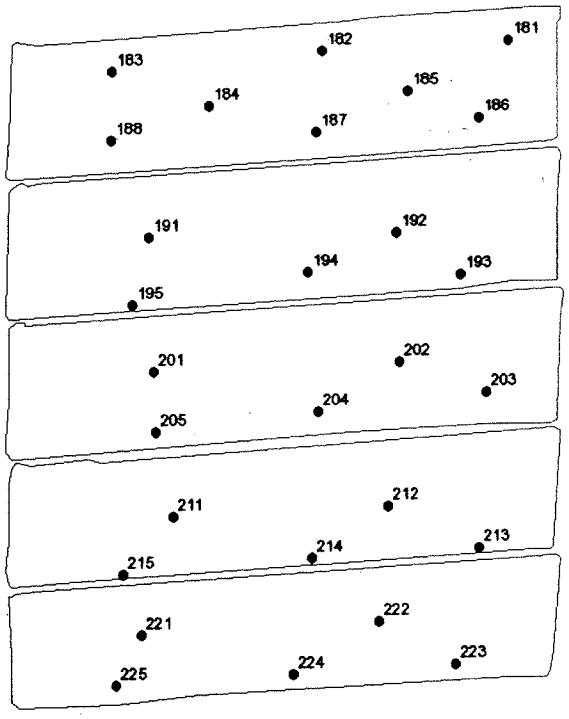
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 28.91

Field(s): Tingle Waters 18, Tingle Waters 19, Tingle Waters 20, Tingle Waters 21, Tingle Waters 22

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	88	33 - 154
K-I:	80	50 - 118
Mg%:	17.2	15.0 - 20.0
Ca%:	65.9	53.0 - 76.0
pH:	6.41	5.60 - 7.00
Ac:	1.16	0.40 - 2.20
S-I:	42	24 - 57
Zn-I:	94	28 - 171
Zn-Al:	N/A	N/A
Mn-I:	46	20 - 88
Mn-Al:	N/A	N/A
Cu-I:	90	39 - 149
CEC:	9.6	7.3 - 11.4
HM%:	1.4	1.1 - 1.9

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	214	78.0	67.0	17.0	67.0	6.1	1.0	31.0	69.0	n/a	26.0	n/a	61.0	8.3	1.1
	215	51.0	58.0	18.0	65.0	5.9	1.4	40.0	44.0	n/a	20.0	n/a	47.0	10.1	1.3
Tingle Waters 22															
	221	122.0	100.0	18.0	72.0	6.8	0.6	50.0	135.0	n/a	46.0	n/a	88.0	11.4	1.2
	222	118.0	86.0	17.0	72.0	6.7	0.7	48.0	114.0	n/a	53.0	n/a	91.0	9.9	1.3
	223	83.0	69.0	15.0	69.0	6.2	1.1	42.0	70.0	n/a	36.0	n/a	66.0	8.9	1.4
	224	75.0	66.0	16.0	76.0	6.9	0.4	41.0	80.0	n/a	41.0	n/a	59.0	8.8	1.1
	225	73.0	62.0	17.0	75.0	6.8	0.6	39.0	90.0	n/a	39.0	n/a	59.0	10.2	1.2

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SAMPLE DATE: 2012-03-15
ISSUED: 8:18am EDT Mar20, 2012
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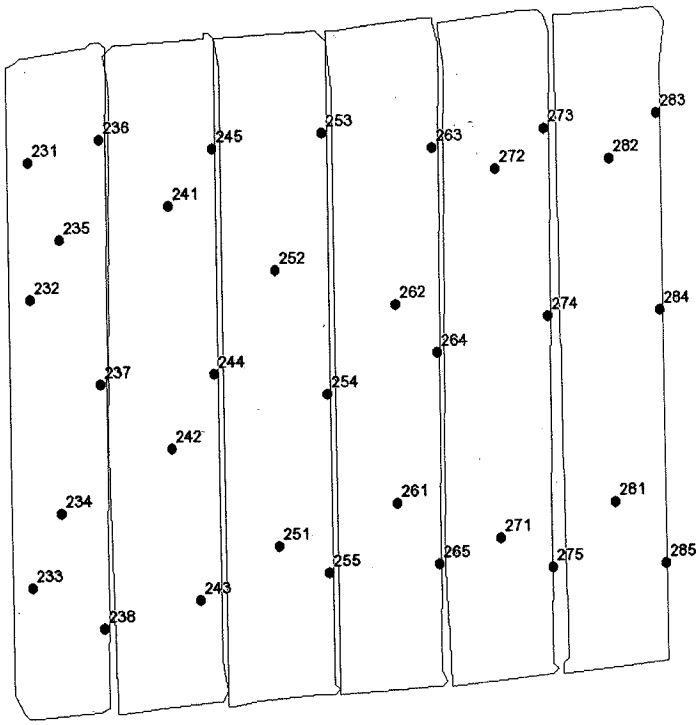
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 33.79

Field(s): Tingle Waters 23, Tingle Waters 24, Tingle Waters 25, Tingle Waters 26, Tingle Waters 27, Tingle Waters 28

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	133	61 - 236
K-I:	84	64 - 118
Mg%:	17.2	14.0 - 20.0
Ca%:	58.3	51.0 - 69.0
pH:	5.90	5.50 - 6.50
Ac:	1.87	0.90 - 2.40
S-I:	55	44 - 67
Zn-I:	84	43 - 174
Zn-Al:	N/A	N/A
Mn-I:	40	22 - 75
Mn-Al:	N/A	N/A
Cu-I:	87	46 - 166
CEC:	9.5	7.1 - 11.9
HM%:	2.6	1.1 - 4.4

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 23														
231	166.0	69.0	17.0	65.0	6.2	1.2	48.0	81.0	n/a	47.0	n/a	94.0	8.9	2.1
232	214.0	94.0	18.0	66.0	6.3	1.1	46.0	108.0	n/a	66.0	n/a	110.0	9.6	1.6
233	208.0	86.0	19.0	69.0	6.5	0.9	50.0	107.0	n/a	60.0	n/a	114.0	10.7	1.6
234	236.0	97.0	17.0	68.0	6.4	1.2	56.0	136.0	n/a	67.0	n/a	133.0	10.7	1.7
235	216.0	99.0	18.0	66.0	6.4	1.1	58.0	126.0	n/a	75.0	n/a	135.0	9.9	1.6
236	99.0	75.0	16.0	56.0	5.7	2.0	51.0	50.0	n/a	29.0	n/a	63.0	8.3	1.9
237	81.0	69.0	14.0	58.0	5.7	1.8	48.0	43.0	n/a	30.0	n/a	56.0	7.6	1.6
238	87.0	67.0	14.0	62.0	5.9	1.4	47.0	51.0	n/a	33.0	n/a	59.0	7.1	1.1
Tingle Waters 24														
241	189.0	108.0	17.0	65.0	6.2	1.5	62.0	105.0	n/a	49.0	n/a	113.0	11.0	2.3
242	216.0	111.0	18.0	66.0	6.3	1.3	58.0	120.0	n/a	53.0	n/a	112.0	11.7	2.1
243	99.0	68.0	15.0	61.0	5.8	1.7	48.0	62.0	n/a	37.0	n/a	66.0	8.6	1.7
244	91.0	83.0	17.0	57.0	5.7	2.3	45.0	49.0	n/a	35.0	n/a	59.0	10.1	2.8
245	81.0	73.0	14.0	53.0	5.5	2.4	56.0	47.0	n/a	37.0	n/a	51.0	8.5	2.1
Tingle Waters 25														
251	160.0	109.0	17.0	66.0	6.3	1.3	62.0	119.0	n/a	50.0	n/a	113.0	11.2	2.3
252	195.0	118.0	18.0	61.0	5.9	2.0	67.0	110.0	n/a	50.0	n/a	136.0	11.9	3.1
253	98.0	72.0	16.0	53.0	5.5	2.2	65.0	56.0	n/a	30.0	n/a	61.0	8.5	2.6
254	98.0	78.0	19.0	56.0	5.7	2.2	62.0	49.0	n/a	28.0	n/a	58.0	10.1	3.0
255	98.0	74.0	16.0	57.0	5.6	2.0	56.0	51.0	n/a	31.0	n/a	56.0	8.6	2.2
Tingle Waters 26														
261	205.0	90.0	18.0	57.0	5.9	2.0	62.0	165.0	n/a	53.0	n/a	121.0	10.1	2.7
262	233.0	109.0	20.0	56.0	5.9	2.2	55.0	174.0	n/a	49.0	n/a	128.0	11.3	3.4
263	111.0	74.0	18.0	53.0	5.6	2.3	44.0	62.0	n/a	29.0	n/a	64.0	9.0	2.7

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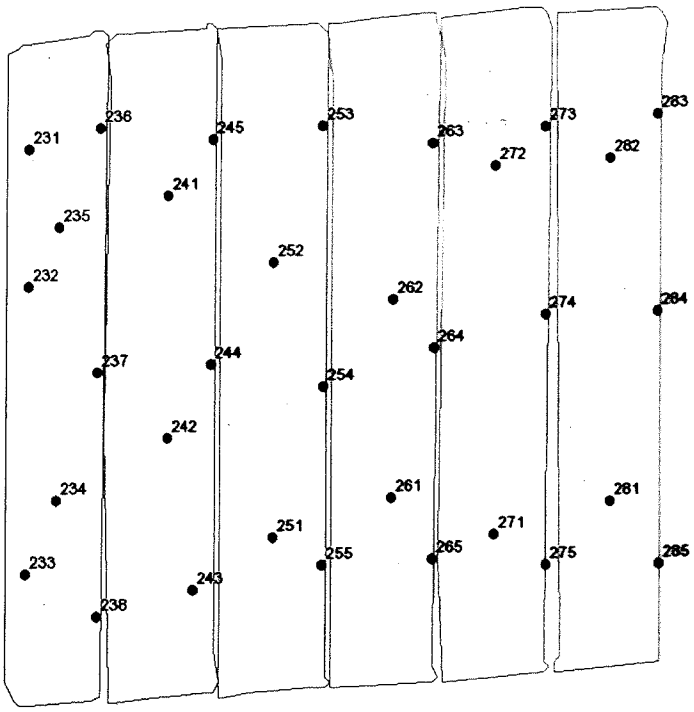
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 33.79

Field(s): Tingle Waters 23, Tingle Waters 24, Tingle Waters 25, Tingle Waters 26, Tingle Waters 27, Tingle Waters 28

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	133	61 - 236
K-I:	84	64 - 118
Mg%:	17.2	14.0 - 20.0
Ca%:	58.3	51.0 - 69.0
pH:	5.90	5.50 - 6.50
Ac:	1.87	0.90 - 2.40
S-I:	55	44 - 67
Zn-I:	84	43 - 174
Zn-Al:	N/A	N/A
Mn-I:	40	22 - 75
Mn-Al:	N/A	N/A
Cu-I:	87	46 - 166
CEC:	9.5	7.1 - 11.9
HM%:	2.6	1.1 - 4.4

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	264	91.0	76.0	19.0	53.0	5.7	2.2	56.0	57.0	n/a	29.0	n/a	56.0	9.3	2.9
	265	89.0	75.0	19.0	56.0	5.9	1.8	53.0	45.0	n/a	31.0	n/a	52.0	8.7	2.1
Tingle Waters 27															
	271	148.0	67.0	17.0	58.0	5.9	2.1	57.0	123.0	n/a	47.0	n/a	166.0	10.0	2.8
	272	143.0	77.0	18.0	55.0	5.9	2.3	56.0	113.0	n/a	40.0	n/a	115.0	10.1	3.6
	273	77.0	64.0	16.0	51.0	5.7	2.2	50.0	48.0	n/a	25.0	n/a	59.0	7.8	3.1
	274	68.0	70.0	19.0	52.0	5.7	2.2	52.0	43.0	n/a	24.0	n/a	58.0	8.7	3.7
	275	77.0	64.0	15.0	55.0	5.7	2.2	50.0	51.0	n/a	30.0	n/a	67.0	8.4	2.9
Tingle Waters 28															
	281	154.0	98.0	18.0	60.0	6.2	1.8	51.0	122.0	n/a	41.0	n/a	90.0	10.6	3.7
	282	158.0	103.0	17.0	59.0	6.1	2.0	55.0	141.0	n/a	38.0	n/a	102.0	10.4	3.9
	283	84.0	82.0	18.0	51.0	5.7	2.2	59.0	59.0	n/a	25.0	n/a	59.0	8.4	3.4
	284	61.0	79.0	17.0	51.0	5.5	2.4	55.0	45.0	n/a	22.0	n/a	46.0	8.5	4.4
	285	74.0	83.0	17.0	53.0	5.6	2.2	60.0	48.0	n/a	23.0	n/a	107.0	8.6	3.8

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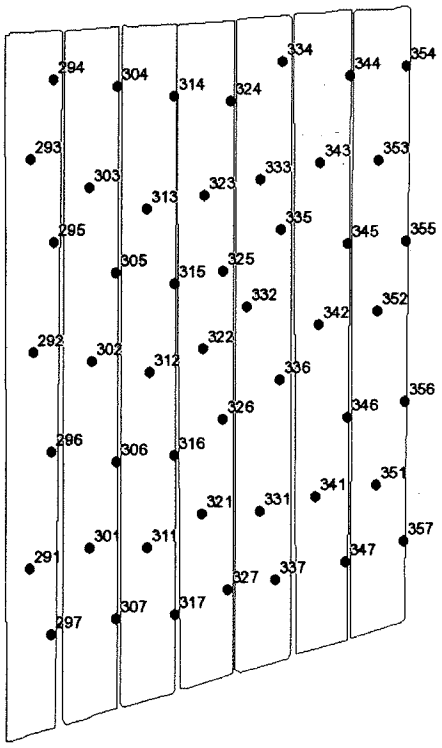
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 77.96

Field(s): Tingle Waters 29, Tingle Waters 30, Tingle Waters 32, Tingle Waters 31, Tingle Waters 33, Tingle Waters 34, Tingle Waters 35

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	141	76 - 189
K-I:	85	51 - 132
Mg%:	14.8	11.0 - 18.0
Ca%:	54.6	45.0 - 66.0
pH:	5.61	4.90 - 6.40
Ac:	3.13	1.50 - 4.70
S-I:	70	52 - 114
Zn-I:	120	58 - 201
Zn-Al:	N/A	N/A
Mn-I:	37	27 - 56
Mn-Al:	N/A	N/A
Cu-I:	64	45 - 117
CEC:	11.7	9.9 - 14.4
HM%:	6.1	3.2 - 8.5

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 29														
291	148.0	97.0	15.0	61.0	6.0	1.9	58.0	115.0	n/a	35.0	n/a	82.0	10.1	3.4
292	121.0	93.0	17.0	64.0	6.2	1.7	58.0	94.0	n/a	32.0	n/a	70.0	11.7	4.2
293	135.0	97.0	18.0	65.0	6.4	1.5	58.0	115.0	n/a	38.0	n/a	82.0	11.7	4.0
294	94.0	84.0	14.0	62.0	6.0	2.0	52.0	61.0	n/a	28.0	n/a	56.0	9.9	3.2
295	98.0	94.0	16.0	62.0	6.1	1.9	52.0	58.0	n/a	30.0	n/a	54.0	10.7	3.5
296	108.0	95.0	14.0	58.0	5.7	2.5	62.0	65.0	n/a	28.0	n/a	55.0	10.7	3.2
297	110.0	87.0	16.0	62.0	6.0	2.2	69.0	82.0	n/a	33.0	n/a	55.0	11.5	3.8
Tingle Waters 30														
301	159.0	111.0	16.0	65.0	6.3	1.6	64.0	118.0	n/a	44.0	n/a	117.0	11.7	3.4
302	147.0	124.0	16.0	63.0	6.1	2.2	66.0	124.0	n/a	41.0	n/a	101.0	13.3	4.4
303	146.0	132.0	17.0	66.0	6.3	1.8	61.0	111.0	n/a	41.0	n/a	104.0	14.4	4.6
304	90.0	77.0	16.0	56.0	5.7	2.6	75.0	69.0	n/a	31.0	n/a	61.0	10.7	4.0
305	76.0	63.0	15.0	53.0	5.4	3.2	75.0	65.0	n/a	28.0	n/a	52.0	11.1	4.7
306	98.0	74.0	15.0	58.0	5.7	2.5	80.0	76.0	n/a	33.0	n/a	59.0	10.7	3.7
307	107.0	90.0	16.0	57.0	5.6	3.0	86.0	94.0	n/a	40.0	n/a	57.0	12.7	5.0
Tingle Waters 31														
311	178.0	79.0	17.0	60.0	6.0	2.1	59.0	124.0	n/a	43.0	n/a	86.0	10.6	3.9
312	172.0	91.0	18.0	57.0	5.9	2.8	59.0	145.0	n/a	36.0	n/a	79.0	13.2	6.0
313	166.0	86.0	18.0	59.0	5.9	2.5	65.0	124.0	n/a	39.0	n/a	70.0	12.8	5.8
314	126.0	60.0	16.0	55.0	5.6	3.0	73.0	83.0	n/a	31.0	n/a	58.0	11.5	4.8
315	117.0	68.0	16.0	55.0	5.5	3.2	81.0	85.0	n/a	30.0	n/a	51.0	11.9	6.0
316	128.0	103.0	15.0	55.0	5.5	3.2	74.0	95.0	n/a	37.0	n/a	58.0	12.5	5.5
317	129.0	66.0	15.0	56.0	5.5	2.7	82.0	97.0	n/a	40.0	n/a	59.0	10.2	4.0
Tingle Waters 32														

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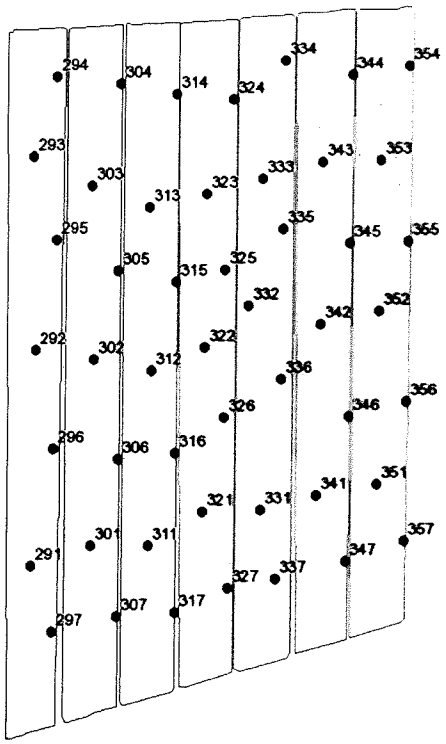
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 77.96

Field(s): Tingle Waters 29, Tingle Waters 30, Tingle Waters 32, Tingle Waters 31, Tingle Waters 33, Tingle Waters 34, Tingle Waters 35

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	141	76 - 189
K-I:	85	51 - 132
Mg%:	14.8	11.0 - 18.0
Ca%:	54.6	45.0 - 66.0
pH:	5.61	4.90 - 6.40
Ac:	3.13	1.50 - 4.70
S-I:	70	52 - 114
Zn-I:	120	58 - 201
Zn-Al:	N/A	N/A
Mn-I:	37	27 - 56
Mn-Al:	N/A	N/A
Cu-I:	64	45 - 117
CEC:	11.7	9.9 - 14.4
HM%:	6.1	3.2 - 8.5

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
321	165.0	125.0	17.0	47.0	5.4	3.9	67.0	157.0	n/a	43.0	n/a	58.0	12.3	7.2
322	150.0	94.0	16.0	50.0	5.5	3.6	62.0	157.0	n/a	47.0	n/a	56.0	11.8	7.5
323	177.0	107.0	15.0	50.0	5.5	3.8	57.0	164.0	n/a	55.0	n/a	65.0	12.5	7.7
324	123.0	66.0	15.0	49.0	5.3	3.3	78.0	92.0	n/a	41.0	n/a	52.0	10.1	5.8
325	122.0	61.0	13.0	47.0	5.2	4.1	79.0	115.0	n/a	44.0	n/a	49.0	11.1	7.2
326	126.0	78.0	13.0	45.0	5.1	4.7	83.0	123.0	n/a	47.0	n/a	53.0	12.2	8.5
327	145.0	69.0	14.0	47.0	5.0	3.5	114.0	128.0	n/a	45.0	n/a	48.0	10.0	5.8
Tingle Waters 33														
331	173.0	97.0	17.0	54.0	5.5	3.4	70.0	193.0	n/a	40.0	n/a	63.0	13.5	8.5
332	179.0	90.0	18.0	56.0	5.8	3.0	68.0	164.0	n/a	42.0	n/a	70.0	13.3	8.2
333	183.0	111.0	15.0	55.0	5.7	3.4	63.0	147.0	n/a	44.0	n/a	69.0	13.1	8.2
334	132.0	71.0	12.0	50.0	5.2	3.6	91.0	98.0	n/a	42.0	n/a	51.0	10.2	7.0
335	118.0	56.0	11.0	47.0	5.0	4.4	97.0	145.0	n/a	56.0	n/a	63.0	11.0	7.2
336	108.0	51.0	12.0	45.0	4.9	4.4	112.0	109.0	n/a	34.0	n/a	45.0	10.6	8.2
337	138.0	73.0	13.0	49.0	5.1	3.8	94.0	124.0	n/a	34.0	n/a	48.0	10.7	7.5
Tingle Waters 34														
341	189.0	127.0	15.0	56.0	5.7	3.4	61.0	188.0	n/a	35.0	n/a	75.0	14.2	8.5
342	179.0	98.0	15.0	57.0	5.8	3.1	56.0	154.0	n/a	32.0	n/a	78.0	13.1	8.0
343	177.0	99.0	15.0	55.0	5.7	3.5	58.0	163.0	n/a	32.0	n/a	79.0	13.2	8.0
344	137.0	59.0	13.0	50.0	5.4	3.5	68.0	93.0	n/a	30.0	n/a	53.0	10.3	5.8
345	141.0	55.0	13.0	53.0	5.4	3.4	73.0	112.0	n/a	31.0	n/a	53.0	10.6	6.4
346	118.0	56.0	12.0	52.0	5.4	3.9	72.0	127.0	n/a	34.0	n/a	49.0	11.5	7.5
347	133.0	59.0	11.0	48.0	5.2	4.3	63.0	156.0	n/a	45.0	n/a	59.0	11.2	8.2
Tingle Waters 35														
351	182.0	104.0	16.0	54.0	5.8	3.6	59.0	201.0	n/a	33.0	n/a	75.0	13.7	8.2

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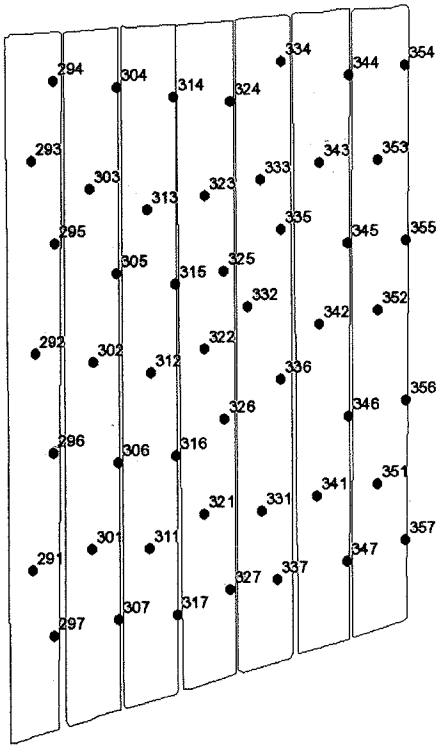
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 77.96

Field(s): Tingle Waters 29, Tingle Waters 30, Tingle Waters 32, Tingle Waters 31, Tingle Waters 33, Tingle Waters 34, Tingle Waters 35

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	141	76 - 189
K-I:	85	51 - 132
Mg%:	14.8	11.0 - 18.0
Ca%:	54.6	45.0 - 66.0
pH:	5.61	4.90 - 6.40
Ac:	3.13	1.50 - 4.70
S-I:	70	52 - 114
Zn-I:	120	58 - 201
Zn-Al:	N/A	N/A
Mn-I:	37	27 - 56
Mn-Al:	N/A	N/A
Cu-I:	64	45 - 117
CEC:	11.7	9.9 - 14.4
HM%:	6.1	3.2 - 8.5

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	352	189.0	113.0	16.0	57.0	5.8	3.1	62.0	154.0	n/a	33.0	n/a	76.0	13.4	7.7
	353	187.0	115.0	16.0	55.0	5.8	3.4	63.0	132.0	n/a	30.0	n/a	68.0	13.6	8.2
	354	143.0	76.0	11.0	48.0	5.3	3.8	63.0	97.0	n/a	28.0	n/a	53.0	10.1	6.4
	355	140.0	64.0	11.0	50.0	5.3	3.8	60.0	104.0	n/a	27.0	n/a	51.0	10.3	7.2
	356	140.0	61.0	12.0	50.0	5.4	3.6	66.0	134.0	n/a	28.0	n/a	49.0	10.1	7.2
	357	144.0	64.0	11.0	49.0	5.3	3.9	70.0	154.0	n/a	27.0	n/a	51.0	10.5	7.2

Crop Production Services

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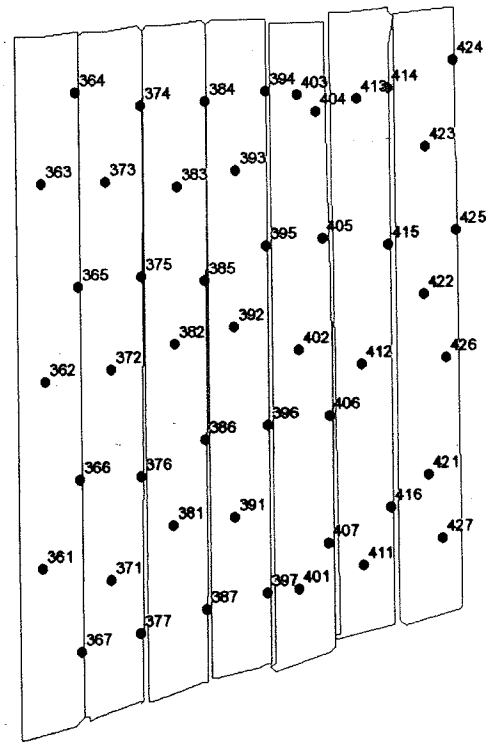
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 64.80

Field(s): Tingle Waters 36, Tingle Waters 37, Tingle Waters 38, Tingle Waters 39, Tingle Waters 40, Tingle Waters 41, Tingle Waters 42

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	136	106 - 189
K-I:	85	59 - 125
Mg%:	12.2	10.0 - 17.0
Ca%:	52.5	46.0 - 64.0
pH:	5.52	5.20 - 6.00
Ac:	3.53	2.30 - 4.30
S-I:	60	48 - 82
Zn-I:	129	76 - 219
Zn-Al:	N/A	N/A
Mn-I:	30	24 - 39
Mn-Al:	N/A	N/A
Cu-I:	65	47 - 92
CEC:	11.3	9.5 - 13.6
HM%:	7.2	5.5 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 36														
361	189.0	82.0	17.0	54.0	5.6	3.6	64.0	209.0	n/a	27.0	n/a	70.0	13.6	8.5
362	180.0	92.0	15.0	51.0	5.5	3.9	50.0	166.0	n/a	33.0	n/a	70.0	12.6	8.5
363	188.0	120.0	15.0	54.0	5.8	3.1	53.0	114.0	n/a	30.0	n/a	67.0	12.0	7.2
364	131.0	65.0	12.0	50.0	5.4	3.6	82.0	88.0	n/a	27.0	n/a	51.0	10.4	6.6
365	125.0	59.0	12.0	47.0	5.2	4.0	77.0	105.0	n/a	24.0	n/a	47.0	10.3	6.8
366	150.0	59.0	10.0	47.0	5.4	3.9	65.0	183.0	n/a	29.0	n/a	55.0	9.7	6.4
367	149.0	70.0	10.0	46.0	5.3	4.3	67.0	158.0	n/a	31.0	n/a	56.0	10.7	7.5
Tingle Waters 37														
371	157.0	94.0	12.0	51.0	5.5	3.9	64.0	172.0	n/a	28.0	n/a	74.0	11.8	8.0
372	147.0	107.0	13.0	54.0	5.7	3.5	58.0	140.0	n/a	30.0	n/a	76.0	11.9	7.0
373	143.0	110.0	13.0	52.0	5.7	3.5	60.0	113.0	n/a	28.0	n/a	77.0	11.8	6.6
374	115.0	64.0	10.0	49.0	5.3	3.8	64.0	79.0	n/a	29.0	n/a	56.0	10.0	5.5
375	112.0	59.0	11.0	48.0	5.4	4.0	63.0	76.0	n/a	25.0	n/a	52.0	10.4	6.2
376	115.0	64.0	10.0	49.0	5.3	3.9	68.0	84.0	n/a	27.0	n/a	55.0	10.4	6.0
377	118.0	77.0	10.0	53.0	5.6	3.2	56.0	95.0	n/a	28.0	n/a	53.0	9.7	6.4
Tingle Waters 38														
381	134.0	98.0	13.0	50.0	5.6	3.6	49.0	132.0	n/a	36.0	n/a	66.0	11.1	7.2
382	142.0	91.0	14.0	50.0	5.6	3.7	54.0	146.0	n/a	39.0	n/a	70.0	11.4	7.2
383	144.0	106.0	14.0	48.0	5.6	3.9	50.0	149.0	n/a	38.0	n/a	69.0	11.5	7.0
384	124.0	96.0	11.0	49.0	5.5	3.9	54.0	106.0	n/a	31.0	n/a	68.0	10.8	6.0
385	121.0	73.0	11.0	49.0	5.5	4.1	62.0	119.0	n/a	32.0	n/a	76.0	11.1	6.0
386	109.0	88.0	10.0	54.0	5.5	3.5	60.0	93.0	n/a	33.0	n/a	61.0	10.8	6.6
387	120.0	81.0	11.0	54.0	5.6	3.2	61.0	111.0	n/a	33.0	n/a	67.0	10.2	6.6
Tingle Waters 39														

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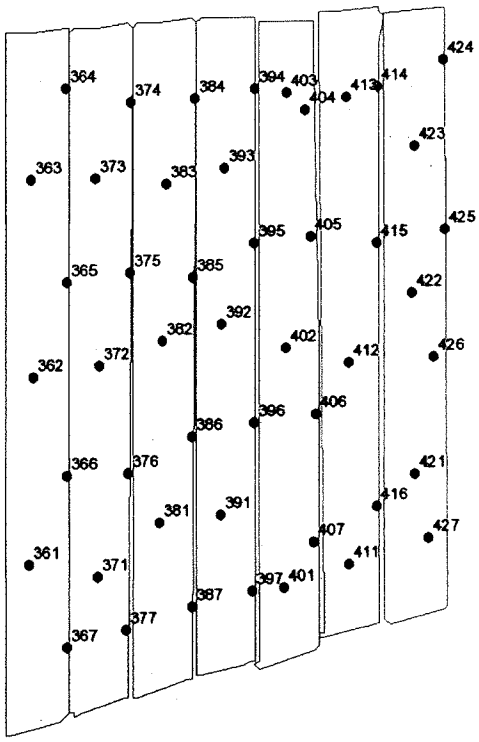
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 64.80

Field(s): Tingle Waters 36, Tingle Waters 37, Tingle Waters 38, Tingle Waters 39, Tingle Waters 40, Tingle Waters 41, Tingle Waters 42

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	136	106 - 189
K-I:	85	59 - 125
Mg%:	12.2	10.0 - 17.0
Ca%:	52.5	46.0 - 64.0
pH:	5.52	5.20 - 6.00
Ac:	3.53	2.30 - 4.30
S-I:	60	48 - 82
Zn-I:	129	76 - 219
Zn-Al:	N/A	N/A
Mn-I:	30	24 - 39
Mn-Al:	N/A	N/A
Cu-I:	65	47 - 92
CEC:	11.3	9.5 - 13.6
HM%:	7.2	5.5 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
391	150.0	91.0	12.0	55.0	5.7	3.6	56.0	148.0	n/a	29.0	n/a	75.0	11.9	8.0
392	157.0	110.0	14.0	64.0	6.0	2.3	70.0	108.0	n/a	30.0	n/a	78.0	12.5	7.2
393	160.0	125.0	13.0	61.0	6.0	2.9	58.0	105.0	n/a	29.0	n/a	85.0	13.2	7.5
394	128.0	75.0	12.0	52.0	5.6	3.2	51.0	98.0	n/a	27.0	n/a	67.0	9.9	6.4
395	106.0	76.0	10.0	46.0	5.4	4.0	56.0	92.0	n/a	26.0	n/a	56.0	10.0	6.8
396	109.0	80.0	12.0	48.0	5.5	3.9	59.0	95.0	n/a	26.0	n/a	55.0	10.6	7.0
397	121.0	88.0	10.0	48.0	5.5	3.5	57.0	110.0	n/a	29.0	n/a	61.0	9.5	6.4
Tingle Waters 40														
401	151.0	95.0	14.0	54.0	5.7	3.6	48.0	149.0	n/a	36.0	n/a	69.0	12.5	8.0
402	140.0	86.0	15.0	58.0	5.9	3.2	60.0	132.0	n/a	31.0	n/a	77.0	13.4	7.7
403	138.0	111.0	15.0	58.0	5.7	3.0	63.0	117.0	n/a	33.0	n/a	80.0	12.9	7.7
404	128.0	74.0	10.0	51.0	5.3	3.6	65.0	122.0	n/a	27.0	n/a	63.0	10.3	6.8
405	127.0	72.0	10.0	54.0	5.4	3.2	65.0	115.0	n/a	27.0	n/a	55.0	9.8	6.8
406	121.0	75.0	12.0	51.0	5.3	3.5	59.0	119.0	n/a	25.0	n/a	55.0	10.4	7.7
407	113.0	77.0	10.0	48.0	5.2	4.0	55.0	132.0	n/a	28.0	n/a	47.0	10.3	8.5
Tingle Waters 41														
411	147.0	101.0	13.0	53.0	5.5	3.9	59.0	211.0	n/a	30.0	n/a	65.0	12.8	9.6
412	130.0	101.0	14.0	59.0	5.7	3.0	66.0	143.0	n/a	31.0	n/a	65.0	13.2	9.2
413	160.0	101.0	13.0	60.0	5.8	2.9	53.0	132.0	n/a	36.0	n/a	73.0	12.7	7.7
414	128.0	70.0	12.0	54.0	5.4	3.3	56.0	113.0	n/a	30.0	n/a	58.0	10.5	6.6
415	124.0	68.0	12.0	59.0	5.5	3.0	75.0	133.0	n/a	30.0	n/a	63.0	11.2	6.8
416	122.0	72.0	11.0	52.0	5.3	3.7	64.0	168.0	n/a	30.0	n/a	59.0	10.8	8.9
Tingle Waters 42														
421	148.0	88.0	12.0	52.0	5.4	4.1	60.0	219.0	n/a	34.0	n/a	70.0	12.6	10.0
422	151.0	102.0	14.0	56.0	5.6	3.2	52.0	165.0	n/a	32.0	n/a	92.0	12.5	8.2

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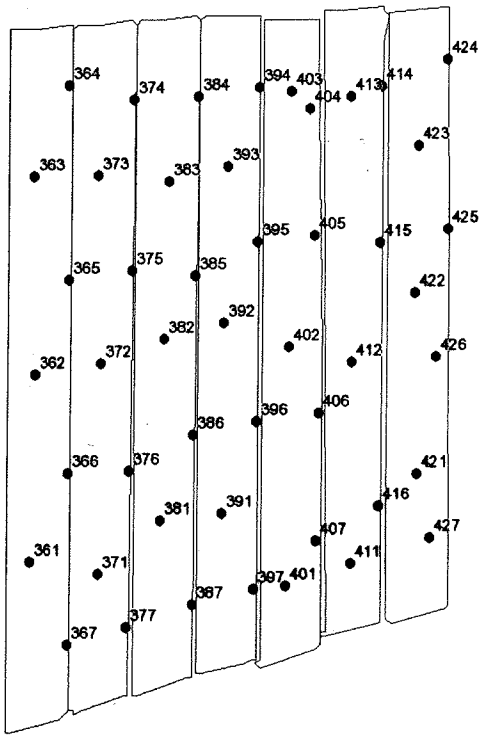
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 64.80

Field(s): Tingle Waters 36, Tingle Waters 37, Tingle Waters 38, Tingle Waters 39, Tingle Waters 40, Tingle Waters 41, Tingle Waters 42

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	136	106 - 189
K-I:	85	59 - 125
Mg%:	12.2	10.0 - 17.0
Ca%:	52.5	46.0 - 64.0
pH:	5.52	5.20 - 6.00
Ac:	3.53	2.30 - 4.30
S-I:	60	48 - 82
Zn-I:	129	76 - 219
Zn-Al:	N/A	N/A
Mn-I:	30	24 - 39
Mn-Al:	N/A	N/A
Cu-I:	65	47 - 92
CEC:	11.3	9.5 - 13.6
HM%:	7.2	5.5 - 10.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	423	174.0	92.0	15.0	58.0	5.7	3.1	54.0	183.0	n/a	30.0	n/a	86.0	13.0	7.2
	424	122.0	83.0	11.0	52.0	5.4	3.2	62.0	101.0	n/a	29.0	n/a	61.0	9.9	6.0
	425	124.0	70.0	12.0	53.0	5.4	3.2	62.0	120.0	n/a	32.0	n/a	60.0	10.2	6.0
	426	113.0	75.0	12.0	53.0	5.3	3.4	50.0	111.0	n/a	33.0	n/a	57.0	10.7	7.0
	427	115.0	74.0	13.0	50.0	5.3	3.7	48.0	126.0	n/a	33.0	n/a	56.0	10.9	8.2

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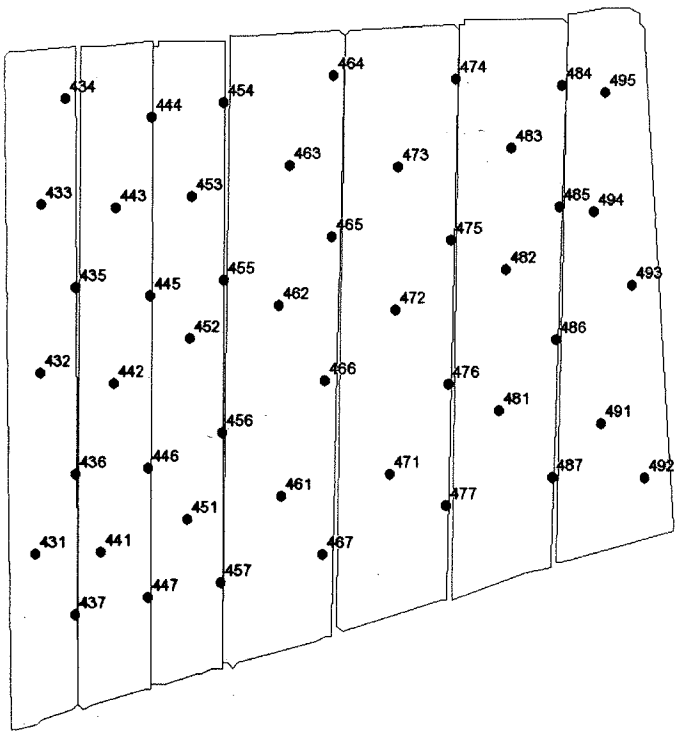
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 70.28

Field(s): Tingle Waters 43, Tingle Waters 44, Tingle Waters 45, Tingle Waters 46, Tingle Waters 47, Tingle Waters 48, Tingle Waters 49

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	122	68 - 152
K-I:	85	50 - 116
Mg%:	12.4	8.0 - 17.0
Ca%:	53.2	46.0 - 61.0
pH:	5.52	5.20 - 6.00
Ac:	3.46	2.60 - 4.40
S-I:	57	41 - 72
Zn-I:	158	81 - 245
Zn-Al:	N/A	N/A
Mn-I:	34	27 - 46
Mn-Al:	N/A	N/A
Cu-I:	66	39 - 92
CEC:	11.5	9.2 - 14.0
HM%:	8.2	5.8 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 43														
431	144.0	98.0	13.0	56.0	5.6	3.2	47.0	187.0	n/a	37.0	n/a	66.0	12.1	8.9
432	121.0	87.0	13.0	54.0	5.6	3.6	41.0	175.0	n/a	37.0	n/a	61.0	12.0	8.2
433	146.0	106.0	14.0	55.0	5.6	3.4	47.0	180.0	n/a	38.0	n/a	72.0	12.7	8.0
434	108.0	70.0	12.0	51.0	5.3	3.4	63.0	104.0	n/a	30.0	n/a	48.0	9.9	6.2
435	121.0	70.0	11.0	48.0	5.2	4.0	57.0	112.0	n/a	33.0	n/a	61.0	10.7	6.6
436	111.0	77.0	9.0	46.0	5.2	4.1	52.0	119.0	n/a	35.0	n/a	57.0	10.1	7.7
437	109.0	76.0	12.0	49.0	5.3	3.8	54.0	122.0	n/a	32.0	n/a	58.0	10.9	8.5
Tingle Waters 44														
441	136.0	103.0	14.0	53.0	5.6	3.5	47.0	160.0	n/a	34.0	n/a	69.0	12.1	9.2
442	148.0	106.0	16.0	58.0	5.8	3.1	52.0	152.0	n/a	36.0	n/a	75.0	14.0	8.9
443	152.0	91.0	14.0	54.0	5.6	3.8	44.0	179.0	n/a	36.0	n/a	80.0	13.5	8.2
444	136.0	71.0	12.0	50.0	5.3	3.9	50.0	133.0	n/a	29.0	n/a	66.0	11.2	7.7
445	140.0	88.0	11.0	51.0	5.3	3.6	68.0	118.0	n/a	27.0	n/a	68.0	10.8	7.5
446	134.0	78.0	10.0	50.0	5.2	3.9	72.0	134.0	n/a	30.0	n/a	69.0	10.6	8.2
447	123.0	85.0	10.0	47.0	5.2	4.2	70.0	127.0	n/a	29.0	n/a	67.0	10.8	8.9
Tingle Waters 45														
451	137.0	91.0	13.0	53.0	5.5	3.9	49.0	223.0	n/a	35.0	n/a	71.0	12.9	10.0
452	143.0	106.0	16.0	56.0	5.7	3.4	47.0	205.0	n/a	42.0	n/a	81.0	13.9	9.2
453	143.0	96.0	15.0	53.0	5.6	3.5	55.0	170.0	n/a	32.0	n/a	81.0	12.3	8.2
454	121.0	86.0	10.0	49.0	5.5	4.4	65.0	134.0	n/a	33.0	n/a	71.0	11.8	7.2
455	117.0	82.0	11.0	52.0	5.5	3.3	59.0	126.0	n/a	36.0	n/a	64.0	10.1	8.2
456	107.0	82.0	14.0	53.0	5.6	3.2	63.0	150.0	n/a	32.0	n/a	62.0	11.0	8.0
457	105.0	77.0	13.0	52.0	5.4	3.5	68.0	164.0	n/a	30.0	n/a	60.0	11.1	9.2
Tingle Waters 46														

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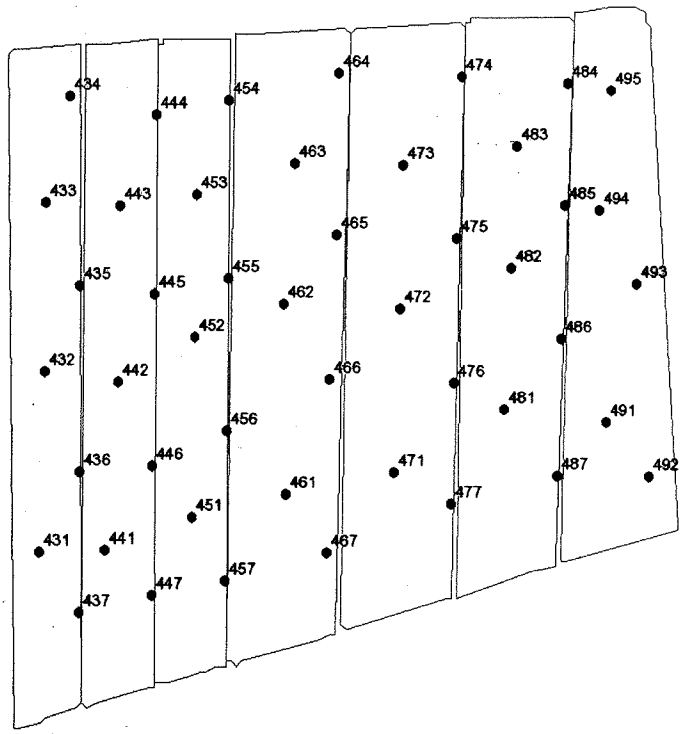
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 70.28

Field(s): Tingle Waters 43, Tingle Waters 44, Tingle Waters 45, Tingle Waters 46, Tingle Waters 47, Tingle Waters 48, Tingle Waters 49

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	122	68 - 152
K-I:	85	50 - 116
Mg%:	12.4	8.0 - 17.0
Ca%:	53.2	46.0 - 61.0
pH:	5.52	5.20 - 6.00
Ac:	3.46	2.60 - 4.40
S-I:	57	41 - 72
Zn-I:	158	81 - 245
Zn-Al:	N/A	N/A
Mn-I:	34	27 - 46
Mn-Al:	N/A	N/A
Cu-I:	66	39 - 92
CEC:	11.5	9.2 - 14.0
HM%:	8.2	5.8 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
461	127.0	86.0	14.0	57.0	5.7	3.3	58.0	233.0	n/a	33.0	n/a	77.0	13.0	10.0
462	129.0	84.0	14.0	54.0	5.6	3.5	67.0	194.0	n/a	34.0	n/a	68.0	12.4	9.6
463	141.0	77.0	14.0	54.0	5.6	3.5	61.0	203.0	n/a	37.0	n/a	74.0	12.2	8.9
464	124.0	81.0	10.0	53.0	5.4	3.4	59.0	126.0	n/a	36.0	n/a	69.0	10.5	7.7
465	140.0	96.0	13.0	55.0	5.5	3.3	60.0	165.0	n/a	35.0	n/a	73.0	11.7	7.7
466	124.0	94.0	12.0	58.0	5.7	3.0	63.0	141.0	n/a	37.0	n/a	62.0	11.5	8.0
467	130.0	73.0	11.0	54.0	5.5	3.4	57.0	165.0	n/a	38.0	n/a	66.0	10.7	8.5
Tingle Waters 47														
471	132.0	92.0	17.0	61.0	6.0	2.7	48.0	210.0	n/a	37.0	n/a	78.0	14.0	9.2
472	145.0	116.0	15.0	59.0	5.9	3.1	57.0	245.0	n/a	37.0	n/a	92.0	13.9	8.9
473	135.0	96.0	13.0	56.0	5.6	3.3	64.0	195.0	n/a	33.0	n/a	68.0	11.9	8.9
474	102.0	79.0	11.0	52.0	5.5	3.0	66.0	105.0	n/a	28.0	n/a	49.0	9.3	7.0
475	129.0	91.0	12.0	51.0	5.5	3.4	67.0	154.0	n/a	28.0	n/a	58.0	10.5	7.5
476	122.0	85.0	15.0	54.0	5.6	3.2	64.0	157.0	n/a	31.0	n/a	57.0	11.8	7.5
477	117.0	71.0	12.0	53.0	5.5	3.4	56.0	143.0	n/a	33.0	n/a	50.0	10.7	7.5
Tingle Waters 48														
481	124.0	83.0	15.0	55.0	5.6	3.4	46.0	238.0	n/a	40.0	n/a	60.0	12.5	8.9
482	149.0	101.0	13.0	58.0	5.7	3.2	49.0	205.0	n/a	46.0	n/a	71.0	13.0	8.5
483	127.0	77.0	14.0	54.0	5.5	3.3	53.0	168.0	n/a	44.0	n/a	59.0	11.1	8.5
484	102.0	62.0	10.0	48.0	5.3	3.8	54.0	126.0	n/a	35.0	n/a	49.0	9.8	8.0
485	109.0	93.0	11.0	57.0	5.8	2.9	58.0	99.0	n/a	36.0	n/a	57.0	10.4	5.8
486	119.0	64.0	8.0	48.0	5.3	3.7	68.0	120.0	n/a	30.0	n/a	46.0	9.2	8.0
487	97.0	50.0	10.0	47.0	5.2	4.0	59.0	119.0	n/a	28.0	n/a	39.0	9.8	8.5
Tingle Waters 49														
491	88.0	64.0	12.0	50.0	5.4	4.0	43.0	200.0	n/a	39.0	n/a	62.0	11.1	10.0

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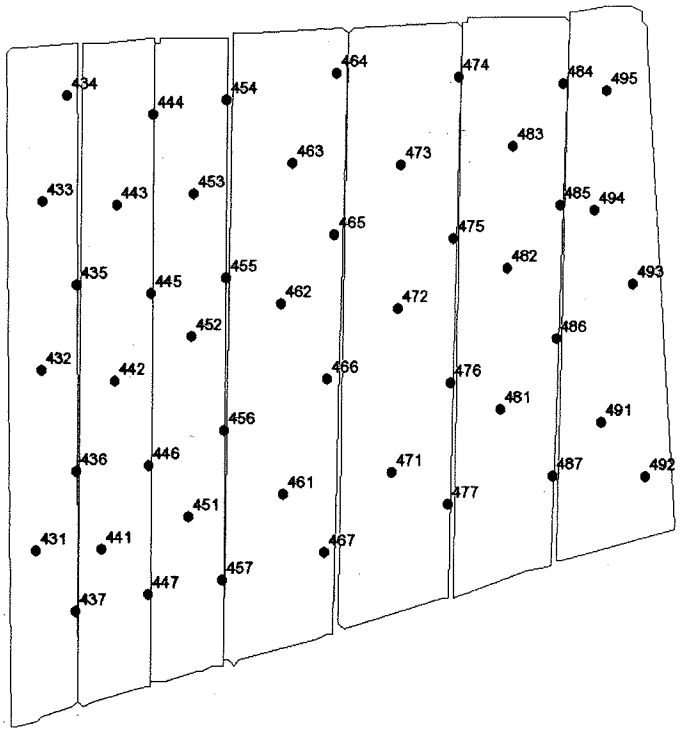
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 70.28

Field(s): Tingle Waters 43, Tingle Waters 44, Tingle Waters 45, Tingle Waters 46, Tingle Waters 47, Tingle Waters 48, Tingle Waters 49

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	122	68 - 152
K-I:	85	50 - 116
Mg%:	12.4	8.0 - 17.0
Ca%:	53.2	46.0 - 61.0
pH:	5.52	5.20 - 6.00
Ac:	3.46	2.60 - 4.40
S-I:	57	41 - 72
Zn-I:	158	81 - 245
Zn-Al:	N/A	N/A
Mn-I:	34	27 - 46
Mn-Al:	N/A	N/A
Cu-I:	66	39 - 92
CEC:	11.5	9.2 - 14.0
HM%:	8.2	5.8 - 10.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	492	97.0	75.0	12.0	55.0	5.5	3.5	47.0	203.0	n/a	38.0	n/a	82.0	11.6	8.5
	493	87.0	96.0	11.0	54.0	5.6	3.2	53.0	142.0	n/a	36.0	n/a	88.0	10.7	8.5
	494	68.0	96.0	13.0	58.0	5.9	2.6	51.0	81.0	n/a	29.0	n/a	70.0	10.5	6.6
	495	75.0	78.0	10.0	57.0	5.6	3.0	58.0	99.0	n/a	30.0	n/a	65.0	10.1	7.0

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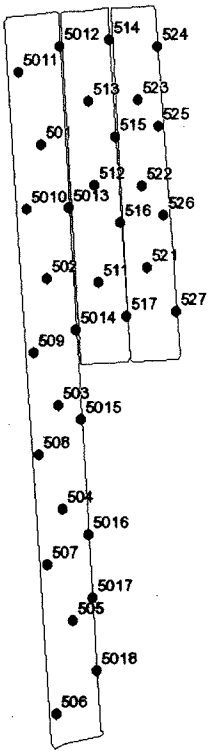
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 47.18

Field(s): Tingle Waters 50, Tingle Waters 51, Tingle Waters 52

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	64	29 - 103
K-I:	92	52 - 139
Mg%:	13.2	10.0 - 17.0
Ca%:	57.0	46.0 - 77.0
pH:	5.65	5.10 - 6.80
Ac:	3.18	0.90 - 4.40
S-I:	52	38 - 64
Zn-I:	199	58 - 341
Zn-Al:	N/A	N/A
Mn-I:	35	18 - 57
Mn-Al:	N/A	N/A
Cu-I:	59	25 - 126
CEC:	12.4	9.9 - 15.5
HM%:	8.2	4.4 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 50														
501	94.0	102.0	13.0	54.0	5.5	3.8	47.0	263.0	n/a	44.0	n/a	70.0	13.3	10.0
502	85.0	86.0	11.0	54.0	5.3	4.0	53.0	293.0	n/a	44.0	n/a	68.0	12.7	10.0
503	101.0	99.0	14.0	66.0	6.1	2.6	45.0	290.0	n/a	41.0	n/a	86.0	15.4	8.9
504	103.0	81.0	12.0	55.0	5.4	4.1	42.0	322.0	n/a	46.0	n/a	78.0	13.3	10.0
505	94.0	90.0	14.0	56.0	5.4	4.2	43.0	341.0	n/a	42.0	n/a	67.0	15.5	10.0
506	95.0	94.0	10.0	59.0	5.5	2.8	46.0	145.0	n/a	37.0	n/a	83.0	10.4	5.2
507	83.0	126.0	13.0	65.0	6.1	2.3	41.0	231.0	n/a	35.0	n/a	96.0	13.6	6.4
508	83.0	118.0	12.0	70.0	6.4	1.6	55.0	221.0	n/a	44.0	n/a	113.0	12.3	4.4
509	87.0	129.0	13.0	77.0	6.8	0.9	50.0	240.0	n/a	53.0	n/a	126.0	15.5	4.8
5010	74.0	116.0	16.0	62.0	5.9	2.2	52.0	196.0	n/a	28.0	n/a	78.0	12.4	6.0
5011	69.0	118.0	15.0	61.0	6.0	2.2	58.0	150.0	n/a	31.0	n/a	73.0	11.8	6.8
5012	32.0	67.0	12.0	53.0	5.5	3.2	56.0	58.0	n/a	20.0	n/a	33.0	10.1	8.2
5013	36.0	54.0	10.0	48.0	5.1	4.4	60.0	130.0	n/a	27.0	n/a	30.0	11.2	10.0
5014	29.0	75.0	11.0	59.0	5.7	2.6	64.0	70.0	n/a	23.0	n/a	25.0	9.9	7.0
5015	43.0	84.0	13.0	62.0	5.8	2.5	47.0	89.0	n/a	30.0	n/a	35.0	11.4	7.7
5016	34.0	64.0	13.0	52.0	5.4	4.2	47.0	161.0	n/a	22.0	n/a	28.0	12.9	10.0
5017	42.0	63.0	12.0	52.0	5.3	4.4	55.0	153.0	n/a	27.0	n/a	32.0	13.0	10.0
5018	41.0	52.0	12.0	46.0	5.2	4.2	61.0	106.0	n/a	18.0	n/a	26.0	10.6	10.0
Tingle Waters 51														
511	74.0	120.0	15.0	62.0	6.1	2.6	56.0	279.0	n/a	33.0	n/a	69.0	13.9	7.2
512	71.0	106.0	14.0	60.0	5.8	3.0	52.0	334.0	n/a	38.0	n/a	69.0	13.6	8.5
513	73.0	139.0	13.0	60.0	5.9	3.0	57.0	291.0	n/a	42.0	n/a	67.0	13.7	9.2
514	45.0	82.0	13.0	55.0	5.5	3.0	59.0	98.0	n/a	25.0	n/a	43.0	10.8	7.0
515	47.0	86.0	12.0	55.0	5.5	2.9	64.0	132.0	n/a	28.0	n/a	47.0	10.3	6.6

Crop Production Services

SAMPLE DATE: 2012-03-15
ISSUED: 8:31am EDT Mar20, 2012
A Product of Agfleet Version 3.00

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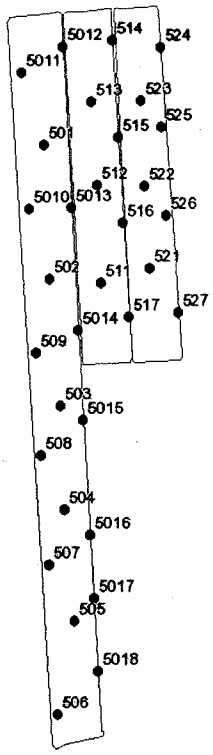
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 47.18

Field(s): Tingle Waters 50, Tingle Waters 51, Tingle Waters 52

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	64	29 - 103
K-I:	92	52 - 139
Mg%:	13.2	10.0 - 17.0
Ca%:	57.0	46.0 - 77.0
pH:	5.65	5.10 - 6.80
Ac:	3.18	0.90 - 4.40
S-I:	52	38 - 64
Zn-I:	199	58 - 341
Zn-Al:	N/A	N/A
Mn-I:	35	18 - 57
Mn-Al:	N/A	N/A
Cu-I:	59	25 - 126
CEC:	12.4	9.9 - 15.5
HM%:	8.2	4.4 - 10.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	516	54.0	81.0	14.0	50.0	5.3	4.3	43.0	162.0	n/a	32.0	n/a	39.0	13.2	10.0
	517	46.0	90.0	14.0	57.0	5.8	2.6	56.0	99.0	n/a	27.0	n/a	51.0	10.6	5.4
Tingle Waters 52															
	521	71.0	101.0	11.0	52.0	5.3	3.9	40.0	278.0	n/a	46.0	n/a	60.0	11.9	9.2
	522	78.0	125.0	13.0	57.0	5.7	3.3	39.0	284.0	n/a	48.0	n/a	65.0	12.7	9.2
	523	71.0	101.0	12.0	56.0	5.6	3.4	38.0	269.0	n/a	57.0	n/a	66.0	12.2	9.6
	524	61.0	79.0	17.0	52.0	5.5	3.2	53.0	160.0	n/a	30.0	n/a	48.0	11.8	8.0
	525	54.0	73.0	17.0	55.0	5.6	3.2	60.0	189.0	n/a	36.0	n/a	41.0	12.3	9.2
	526	40.0	60.0	16.0	51.0	5.4	3.6	53.0	168.0	n/a	38.0	n/a	31.0	11.9	8.9
	527	46.0	71.0	17.0	51.0	5.5	3.6	60.0	165.0	n/a	30.0	n/a	33.0	12.4	9.2

Crop Production Services

SAMPLE DATE [illegible] 15
ISSUED [illegible] March [illegible] 2
A Prog[illegible] Version [illegible]

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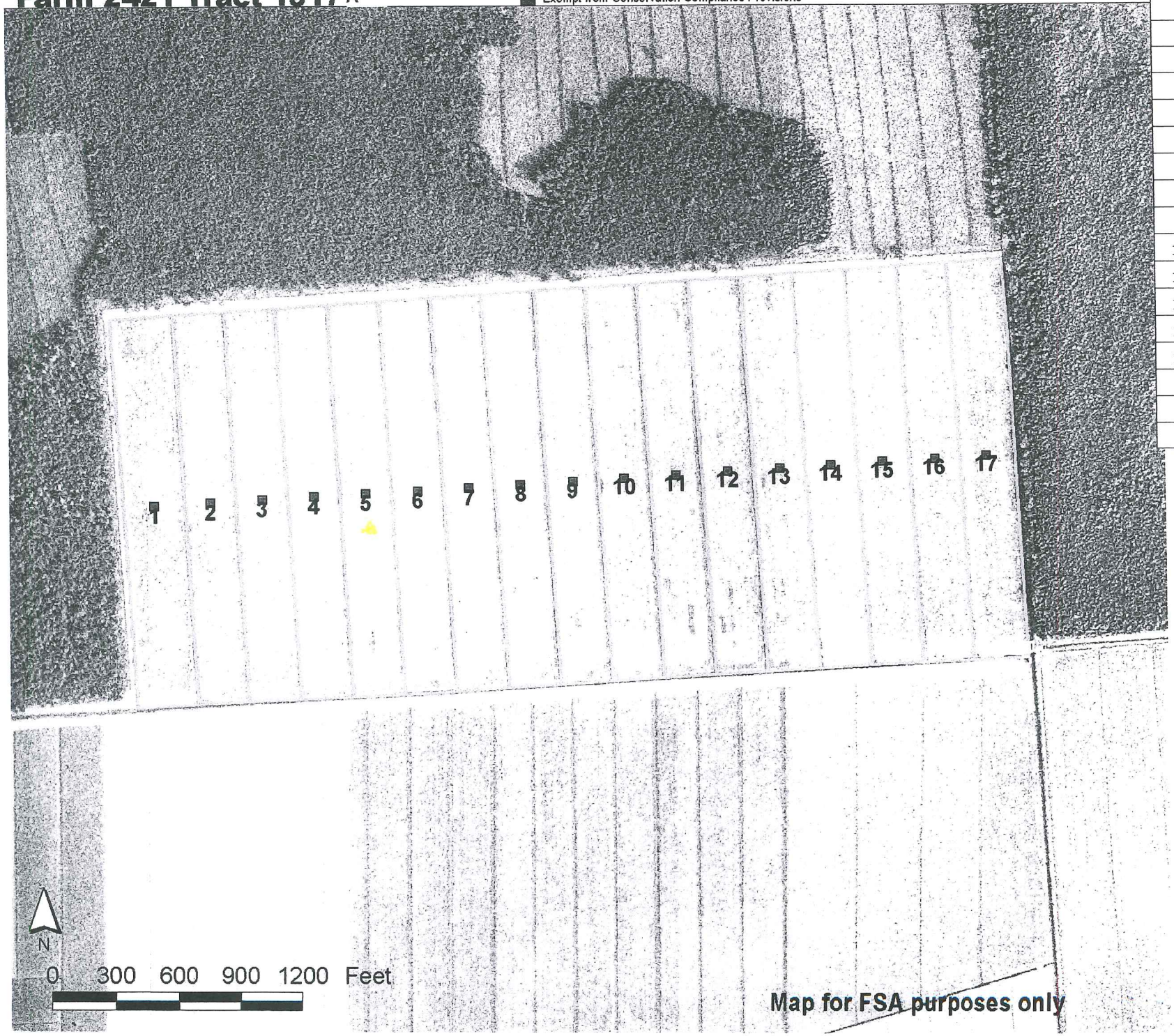
Pamlico County FSA

Farm 2421 Tract 1817 A

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Fld	Acres	Crop	HEL	CRP
1	12.87		N	
2	10.99		N	
3	11.14		N	
4	11.21		N	
5	11.13		N	
6	11.29		N	
7	11.27		N	
8	11.14		N	
9	11.34		N	
10	11.18		N	
11	11.23		N	
12	11.43		N	
13	11.18		N	
14	11.16		N	
15	11.26		N	
16	11.32		N	
17	12.38		N	

Map for FSA purposes only

Total Cropland Acres
193.5

Pamlico County FSA

Farm 2421 Tract 1817B

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Fld	Acres	Crop	HEL	CRP
18	6.20		N	
19	6.33		N	
20	6.42		N	
21	5.78		N	
22	5.68		N	
23	5.37		N	
24	6.22		N	
25	6.04		N	
26	6.02		N	
27	6.12		N	
28	6.19		N	
91	16.95		N	
92	6.02		N	
93	5.64		N	
94	5.63		N	
95	10.72		N	
96	13.61		N	
97	15.19		N	
98	15.65		N	
99	14.95		N	
100	15.14		N	

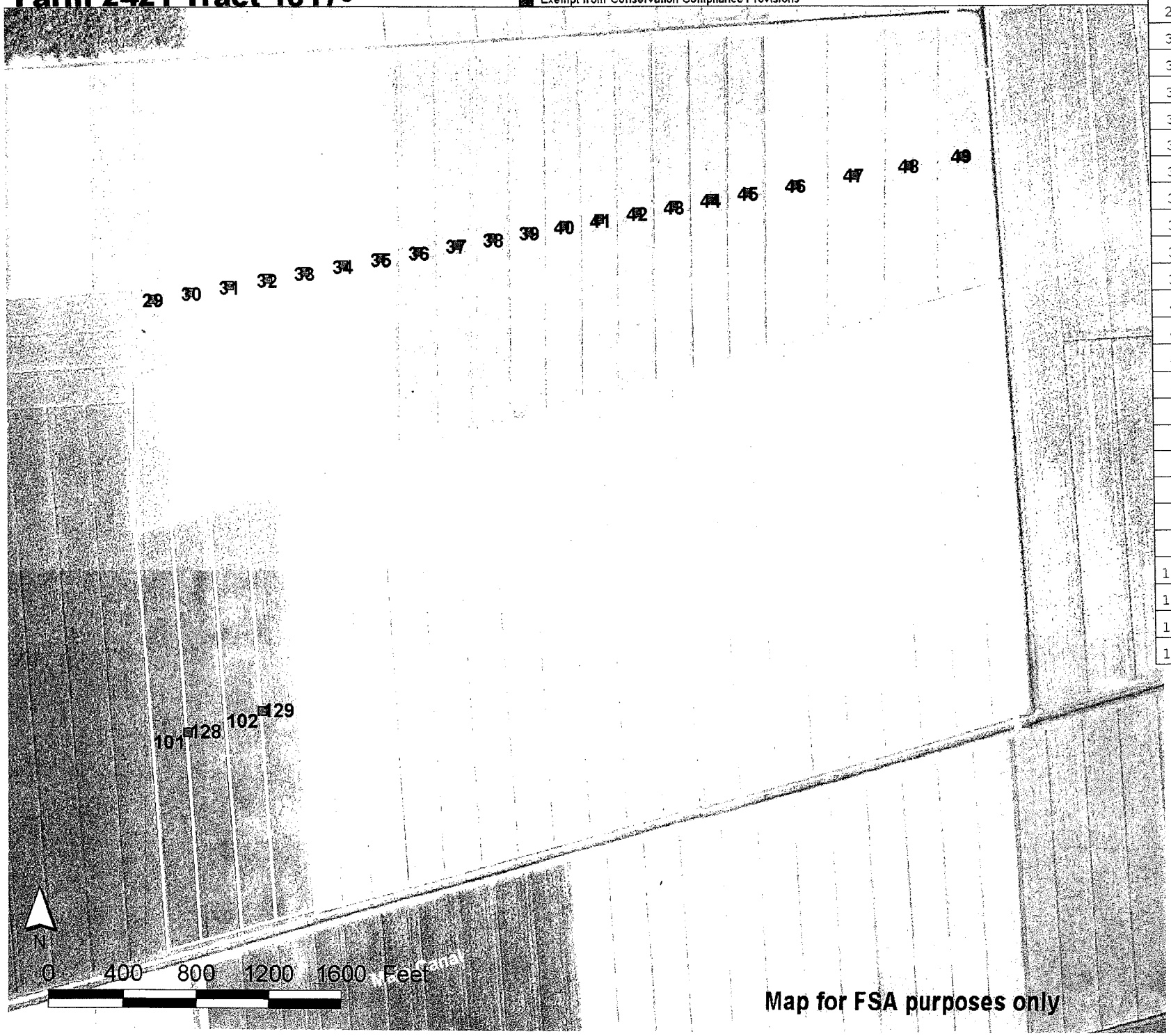
Map for FSA purposes only

Total Cropland Acres
185.9

Pamlico County FSA
Farm 2421 Tract 1817C

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Fld	Acres	Crop	HEL	CRP
29	12.75		N	
30	12.25		N	
31	12.04		N	
32	11.52		N	
33	11.58		N	
34	11.24		N	
35	11.13		N	
36	10.79		N	
37	10.12		N	
38	10.14		N	
39	9.56		N	
40	9.30		N	
41	9.22		N	
42	9.07		N	
43	9.07		N	
44	8.87		N	
45	8.62		N	
46	12.89		N	
47	12.12		N	
48	10.91		N	
49	10.17		N	
101	10.32		N	
102	10.58		N	
128	11.84		N	
129	11.32		N	

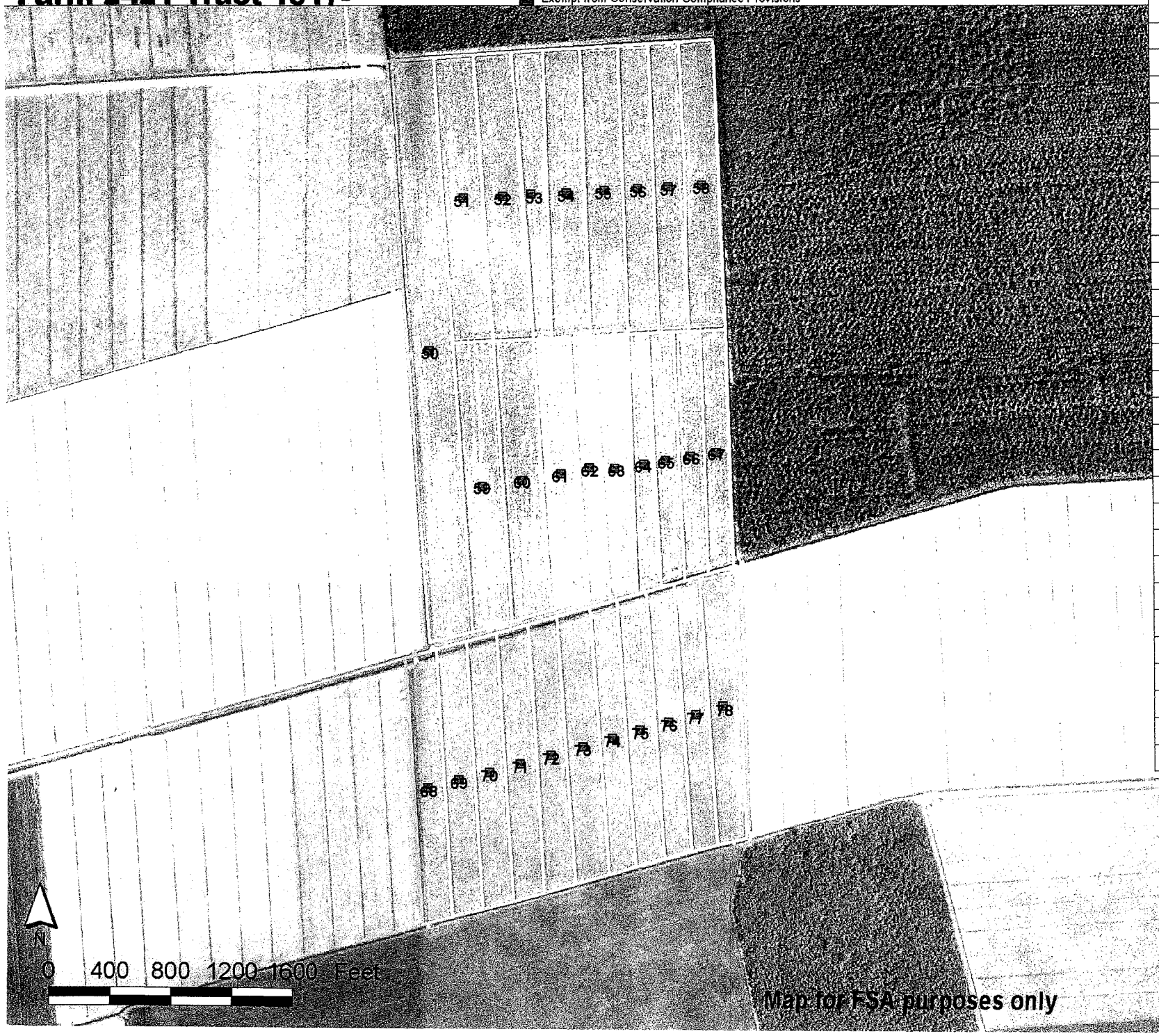
Map for FSA purposes only

Total Cropland Acres
267.4

Pamlico County FSA
Farm 2421 Tract 1817D

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Fld	Acres	Crop	HEL	CRP
50	26.75		N	
51	11.76		N	
52	11.71		N	
53	7.42		N	
54	11.18		N	
55	11.36		N	
56	9.16		N	
57	9.13		N	
58	10.28		N	
59	11.77		N	
60	11.52		N	
61	10.24		N	
62	6.05		N	
63	8.37		N	
64	5.92		N	
65	6.43		N	
66	6.42		N	
67	6.13		N	
68	8.42		N	
69	8.34		N	
70	8.53		N	
71	8.86		N	
72	8.28		N	
73	9.47		N	
74	7.48		N	
75	8.21		N	
76	7.62		N	
77	7.13		N	
78	9.10		N	

Total Cropland Acres
273.0

Diagnostic

Waste Report

Client: Craven Ag. Services
2115 Hwy 55 W
New Bern, NC 28562

Advisor:

County: Craven

Farm: DUNHAM

Sampled: 08/28/2012 Received: 08/29/2012 Completed: 08/30/2012

Links to Helpful Information

Sample Information

Sample ID: CWEA
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:
Craven Wood Ash

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	170	7030	20500	47000	6170	5900	4940	748	443	168	320	2260	
Total Kjeldahl N													

Inorganic N	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
NH_4-N	12.03	81.9			16.3	6.76	
NO_3-N							
Organic N							
Urea							

	Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)

Application Method

Broadcast
Soil Incorporated

Estimate of Nutrients Available for First Crop (lb / ton)

	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.14	18.5	32.2	53.9	7.07	6.76	5.66	0.86	0.51	0.19	0.37	
Soil Incorporated	0.17	21.1	36.2	61.6	8.08	7.73	6.47	0.98	0.58	0.22	0.42	

Other Elements (lb / ton)

	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		3.70						
Soil Incorporated		3.70						

Agronomist's Comments:

Completed: 9/5/2012

North Carolina Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

Predictive

Waste Report

Client: Craven Ag. Services
2115 Hwy 55 W
New Bern, NC 28562
Craven County

Advisor: ,

Sampled: 04/03/2013 Received: 04/04/2013 Completed: 04/11/2013 Farm:

Links to Helpful Information

Sample Information

Sample ID: WACE
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	489	12700	28700	48900	8200	6700	6600	960	876	373	411	4830	
Total Kjeldahl N													
Inorganic N	16.1												
NH_4-N	10.7												
NO_3-N	5.40												
Organic N	473												
Urea													

pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE(tons)	C:N
10.86	73.1			32.5	3.79	

Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
9.46	3.14	32.0								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.36	29.7	40.3	50.0	8.39	6.85	6.75	0.98	0.90	0.38	0.42	
Soil Incorporated	0.43	33.9	45.3	57.2	9.59	7.83	7.71	1.12	1.02	0.44	0.48	

Other Elements (lb / ton)

Application Method	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		7.05	0.01	T	0.05			
Soil Incorporated		7.05	0.01	T	0.05			

Agronomist's Comments:

Note the zinc (Zn), boron (B), and copper (Cu) concentrations in this sample. When applying this material at rates needed to meet crop nitrogen (N) requirement, take care to avoid excess Zn and Cu accumulation. Monitor soil Zn and Cu accumulation at application sites with soil testing. Generally, the maximum B application should be <= 2 lb B per acre. Use tissue testing to assess B status in the crop. Over-application of B can cause toxicity and severe plant injury. Aaron Pettit 4/11/2013 7:54 AM

North Carolina
Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

NCDA&CS Agronomic Division Phone: (919) 733-2655 Website: www.ncagr.gov/agronomi/ FY14-W001043

Diagnostic

Waste Report

Client: Billy Dunham
Craven Ag Services
2115 Hwy. 55 West
New Bern, NC 28562
Craven County

Advisor: ,

Sampled: 08/09/2013 Received: 08/12/2013 Completed: 08/13/2013 Farm: DUNHAM

Links to Helpful Information

Sample Information

Sample ID: WA1
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	899	10900	46700	83600	13600	8800	13400	1330	792	402	342	5720	
Total Kjeldahl N													

Inorganic N	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
NH_4-N	10.54	64.6			22.5	6.19	
NO_3-N							

Organic N	Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
Urea	15.1	3.19	36.2								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.58	22.5	58.0	75.6	12.3	7.95	12.1	1.20	0.72	0.36	0.31	
Soil Incorporated	0.70	25.7	65.2	86.4	14.0	9.09	13.8	1.38	0.82	0.42	0.35	

Other Elements (lb / ton)

	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		7.39	0.02	T	0.05			
Soil Incorporated		7.39	0.02	T	0.05			

Agronomist's Comments:

Brenda R. Cleveland 8/19/2013 4:30 PM

North Carolina
Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

Sample Information

Sample ID: WA2
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)	
Total N	790
Total Kjeldahl N	
Inorganic N	
NH_4-N	
NO_3-N	
Organic N	
Urea	

P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
14100	64500	92100	14500	11500	11200	1380	1120	499	469	8560	

pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
10.15	58.0			19.8	7.85	

Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
15.1	3.51	38.5								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.46	26.3	71.8	74.8	11.8	9.35	9.09	1.12	0.91	0.41	0.38	
Soil Incorporated	0.55	30.0	80.8	85.5	13.4	10.7	10.4	1.28	1.04	0.46	0.44	

Other Elements (lb / ton)

Application Method	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		9.93	0.02	T	0.04			
Soil Incorporated		9.93	0.02	T	0.04			

8-12-13 WA2

Diagnostic

Waste Report

Client: Craven Ag. Services
2115 Hwy 55 W
New Bern, NC 28562

Advisor:

County: Craven

Sampled: 08/28/2012 Received: 08/29/2012 Completed: 08/30/2012

Farm: DUNHAM

Links to Helpful Information

Sample Information

Sample ID: CWEA
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:
Craven Wood Ash

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	170	7030	20500	47000	6170	5900	4940	748	443	168	320	2260	
Total Kjeldahl N													

Inorganic N	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
NH_4-N	12.03	81.9			16.3	6.76	
NO_3-N							
Organic N							
Urea							

Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.14	18.5	32.2	53.9	7.07	6.76	5.66	0.86	0.51	0.19	0.37	
Soil Incorporated	0.17	21.1	36.2	61.6	8.08	7.73	6.47	0.98	0.58	0.22	0.42	

Other Elements (lb / ton)

Cl	Na	Ni	Cd	Pb	Al	Se	Li
	3.70						
	3.70						

Agronomist's Comments:

Completed: 9/5/2012

North Carolina Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

Predictive

Waste Report

Client: Craven Ag. Services
2115 Hwy 55 W
New Bern, NC 28562
Craven County

Advisor: ,

Sampled: 04/03/2013 Received: 04/04/2013 Completed: 04/11/2013 Farm:

Links to Helpful Information

Sample Information

Sample ID: WACE
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	489	12700	28700	48900	8200	6700	6600	960	876	373	411	4830	
Total Kjeldahl N													
Inorganic N	16.1												
NH_4-N	10.7												
NO_3-N	5.40												
Organic N	473												
Urea													

pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE(tons)	C:N
10.86	73.1			32.5	3.79	

Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
9.46	3.14	32.0								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.36	29.7	40.3	50.0	8.39	6.85	6.75	0.98	0.90	0.38	0.42	
Soil Incorporated	0.43	33.9	45.3	57.2	9.59	7.83	7.71	1.12	1.02	0.44	0.48	

Other Elements (lb / ton)

Application Method	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		7.05	0.01	T	0.05			
Soil Incorporated		7.05	0.01	T	0.05			

Agronomist's Comments:

Note the zinc (Zn), boron (B), and copper (Cu) concentrations in this sample. When applying this material at rates needed to meet crop nitrogen (N) requirement, take care to avoid excess Zn and Cu accumulation. Monitor soil Zn and Cu accumulation at application sites with soil testing. Generally, the maximum B application should be <= 2 lb B per acre. Use tissue testing to assess B status in the crop. Over-application of B can cause toxicity and severe plant injury. Aaron Pettit 4/11/2013 7:54 AM

North Carolina
Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

NCDA&CS Agronomic Division Phone: (919) 733-2655 Website: www.ncagr.gov/agronomi/ FY14-W001043

Diagnostic

Waste Report

Client: Billy Dunham
Craven Ag Services
2115 Hwy. 55 West
New Bern, NC 28562
Craven County

Advisor: ,

Sampled: 08/09/2013 Received: 08/12/2013 Completed: 08/13/2013 Farm: DUNHAM

Links to Helpful Information

Sample Information

Sample ID: WA1
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	899	10900	46700	83600	13600	8800	13400	1330	792	402	342	5720	
Total Kjeldahl N													

Inorganic N	pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
NH_4-N	10.54	64.6			22.5	6.19	
NO_3-N							

Organic N	Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
Urea	15.1	3.19	36.2								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	0.58	22.5	58.0	75.6	12.3	7.95	12.1	1.20	0.72	0.36	0.31	
Soil Incorporated	0.70	25.7	65.2	86.4	14.0	9.09	13.8	1.38	0.82	0.42	0.35	

Other Elements (lb / ton)

	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		7.39	0.02	T	0.05			
Soil Incorporated		7.39	0.02	T	0.05			

Agronomist's Comments:

Brenda R. Cleveland 8/19/2013 4:30 PM

North Carolina Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

Sample Information

Sample ID: WA2
Waste Code: SAR
Description:
Indust.-Stack Ash

Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)		*P (ppm)*	*K (ppm)*	*Ca (ppm)*	*Mg (ppm)*	*S (ppm)*	*Fe (ppm)*	*Mn (ppm)*	*Zn (ppm)*	*Cu (ppm)*	*B (ppm)*	*Na (ppm)*	*C (ppm)*
Total N	790	14100	64500	92100	14500	11500	11200	1380	1120	499	469	8560	
Total Kjeldahl N													

	pH	*DM (%)*	*SS (10^{-5}S/cm)*	*EC (mS/cm)*	*CCE (%)*	*ALE* (tons)	*C:N*
Inorganic N							
NH_4-N	10.15	58.0			19.8	7.85	
NO_3-N							
Organic N							
Urea							

	Ni (ppm)	*Cd (ppm)*	*Pb (ppm)*	*Al (ppm)*	*Se (ppm)*	*Li (ppm)*	*As (ppm)*	*Cr (ppm)*	*Co (ppm)*	*Cl (ppm)*	*Mo (ppm)*
	15.1	3.51	38.5								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	*N*	*P_2O_5*	*K_2O*	*Ca*	*Mg*	*S*	*Fe*	*Mn*	*Zn*	*Cu*	*B*	*Mo*
Broadcast	0.46	26.3	71.8	74.8	11.8	9.35	9.09	1.12	0.91	0.41	0.38	
Soil Incorporated	0.55	30.0	80.8	85.5	13.4	10.7	10.4	1.28	1.04	0.46	0.44	

Other Elements (lb / ton)

	Cl	*Na*	*Ni*	*Cd*	*Pb*	*Al*	*Se*	*Li*
Broadcast		9.93	0.02	T	0.04			
Soil Incorporated		9.93	0.02	T	0.04			

8-12-13 WA2

Pamlico County FSA

Farm 2421 Tract 1817

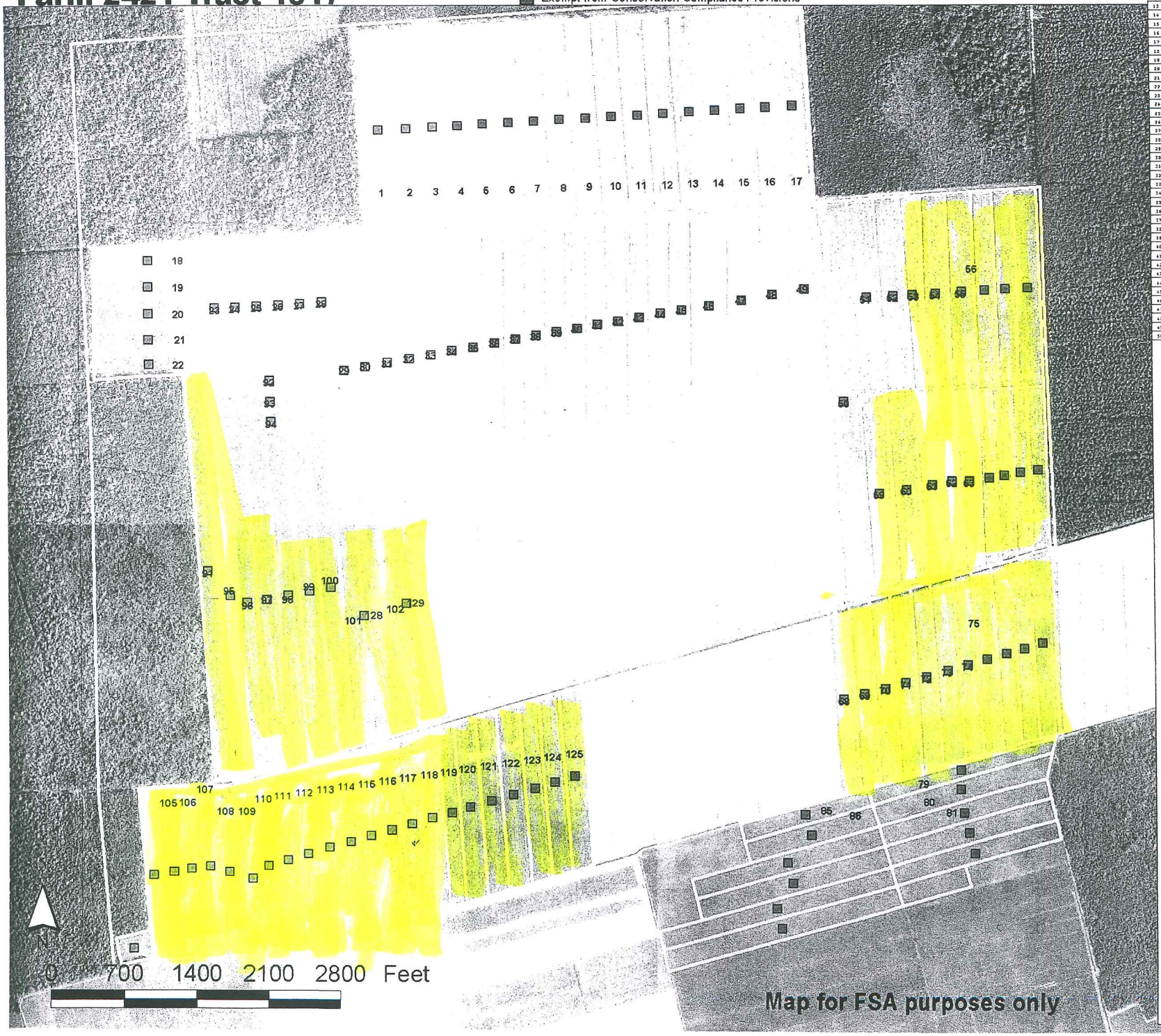
Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 [illegible]) for exact wetland boundaries and determinations, or contact NRCS.

Total Cropland Acres

1187.0



5	11.12		W	
6	11.29		W	
7	11.27		W	
8	11.14		W	
9	11.24		W	
10	11.12		W	
11	11.23		W	
12	11.42		W	
13	11.13		W	
14	11.16		W	
15	11.26		W	
16	11.32		W	
17	12.38		W	
18	6.28		W	
19	6.33		W	
20	6.42		W	
21	5.78		W	
22	5.82		W	
23	5.37		W	
24	6.22		W	
25	6.04		W	
26	6.02		W	
27	6.12		W	
28	6.18		W	
29	12.75		W	
30	12.25		W	
31	12.84		W	
32	11.52		W	
33	11.58		W	
34	11.24		W	
35	11.13		W	
36	18.78		W	
37	18.32		W	
38	18.16		W	
39	8.56		W	
40	8.28		W	
41	8.22		W	
42	8.07		W	
43	8.07		W	
44	8.57		W	
45	5.42		W	
46	12.28		W	
47	12.12		W	
48	10.91		W	
49	18.17		W	
50	24.75		W	

Pamlico County FSA

Farm 2421 Tract 1817 A

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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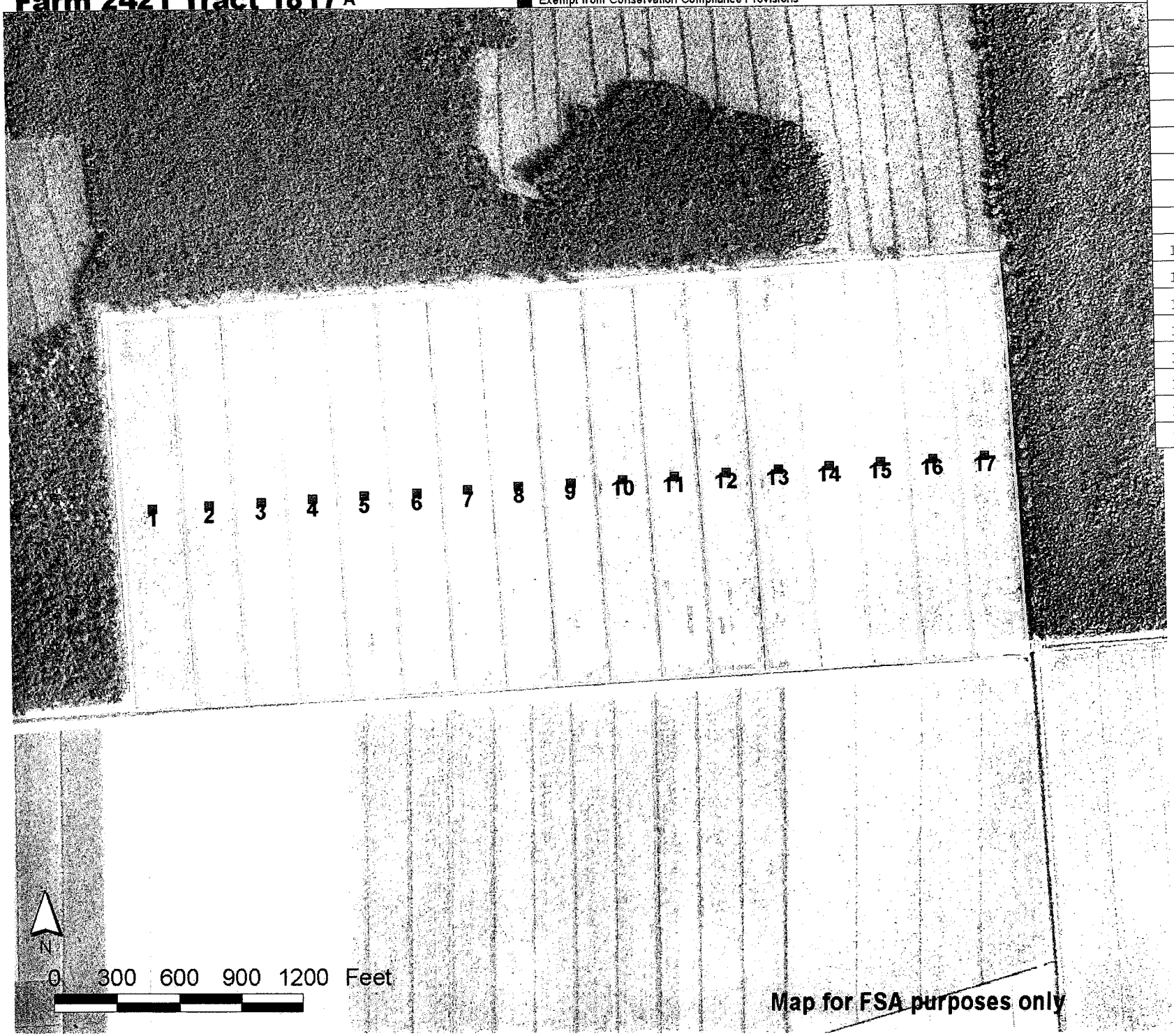

Fld	Acres	Crop	HEL	CRP
1	12.87		N	
2	10.99		N	
3	11.14		N	
4	11.21		N	
5	11.13		N	
6	11.29		N	
7	11.27		N	
8	11.14		N	
9	11.34		N	
10	11.18		N	
11	11.23		N	
12	11.43		N	
13	11.18		N	
14	11.16		N	
15	11.26		N	
16	11.32		N	
17	12.38		N	

Map for FSA purposes only

Total Cropland Acres
193.5

Pamlico County FSA
Farm 2421 Tract 1817B

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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Map for FSA purposes only

Fld	Acres	Crop	HEL	CRP
18	6.20		N	
19	6.33		N	
20	6.42		N	
21	5.78		N	
22	5.68		N	
23	5.37		N	
24	6.22		N	
25	6.04		N	
26	6.02		N	
27	6.12		N	
28	6.19		N	
91	16.95		N	
92	6.02		N	
93	5.64		N	
94	5.63		N	
95	10.72		N	
96	13.61		N	
97	15.19		N	
98	15.65		N	
99	14.95		N	
100	15.14		N	

Total Cropland Acres
185.9

Pamlico County FSA
Farm 2421 Tract 1817C

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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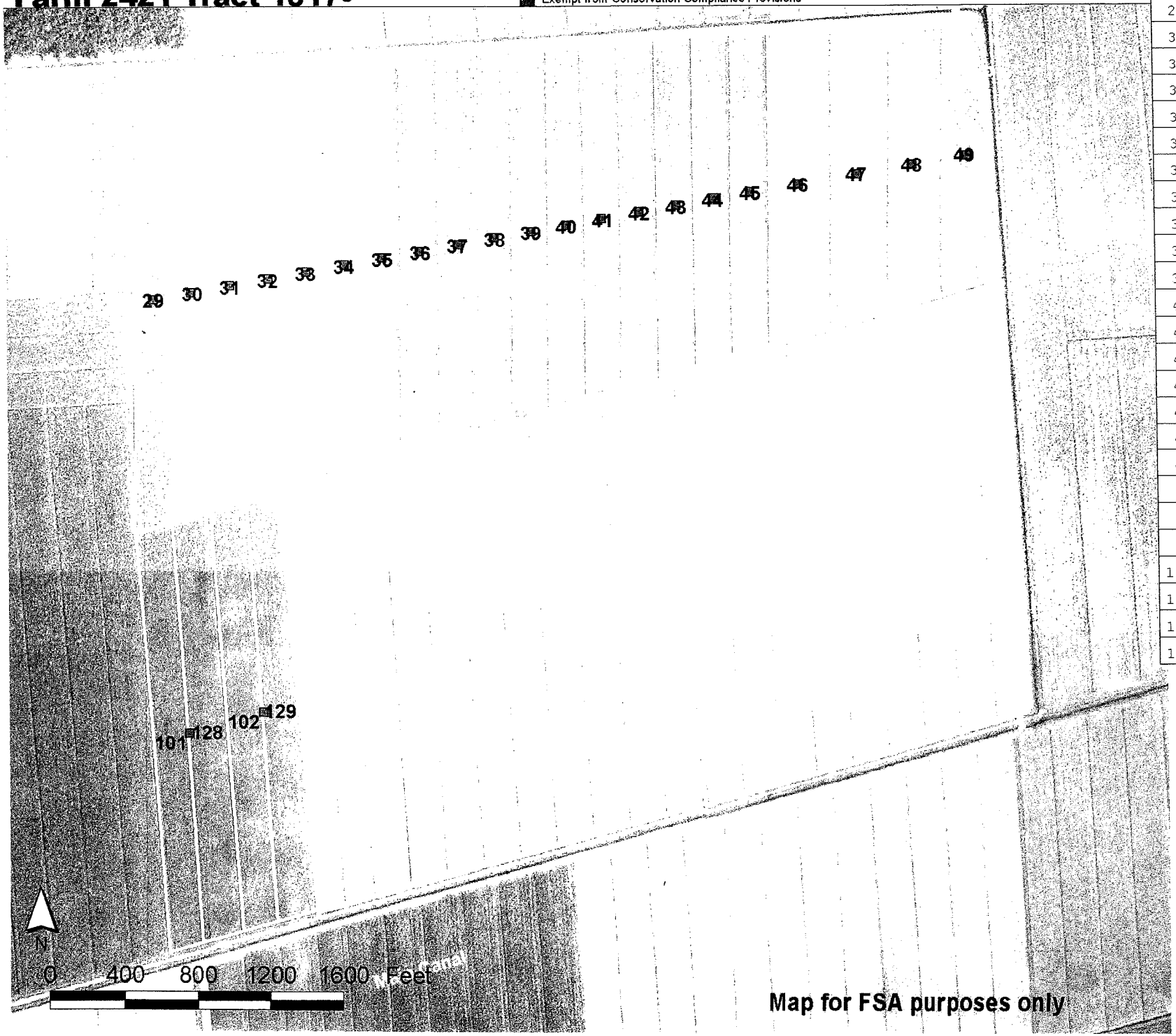


Fld	Acres	Crop	HEL	CRP
29	12.75		N	
30	12.25		N	
31	12.04		N	
32	11.52		N	
33	11.58		N	
34	11.24		N	
35	11.13		N	
36	10.79		N	
37	10.12		N	
38	10.14		N	
39	9.56		N	
40	9.30		N	
41	9.22		N	
42	9.07		N	
43	9.07		N	
44	8.87		N	
45	8.62		N	
46	12.89		N	
47	12.12		N	
48	10.91		N	
49	10.17		N	
101	10.32		N	
102	10.58		N	
128	11.84		N	
129	11.32		N	

Map for FSA purposes only

Total Cropland Acres
267.4

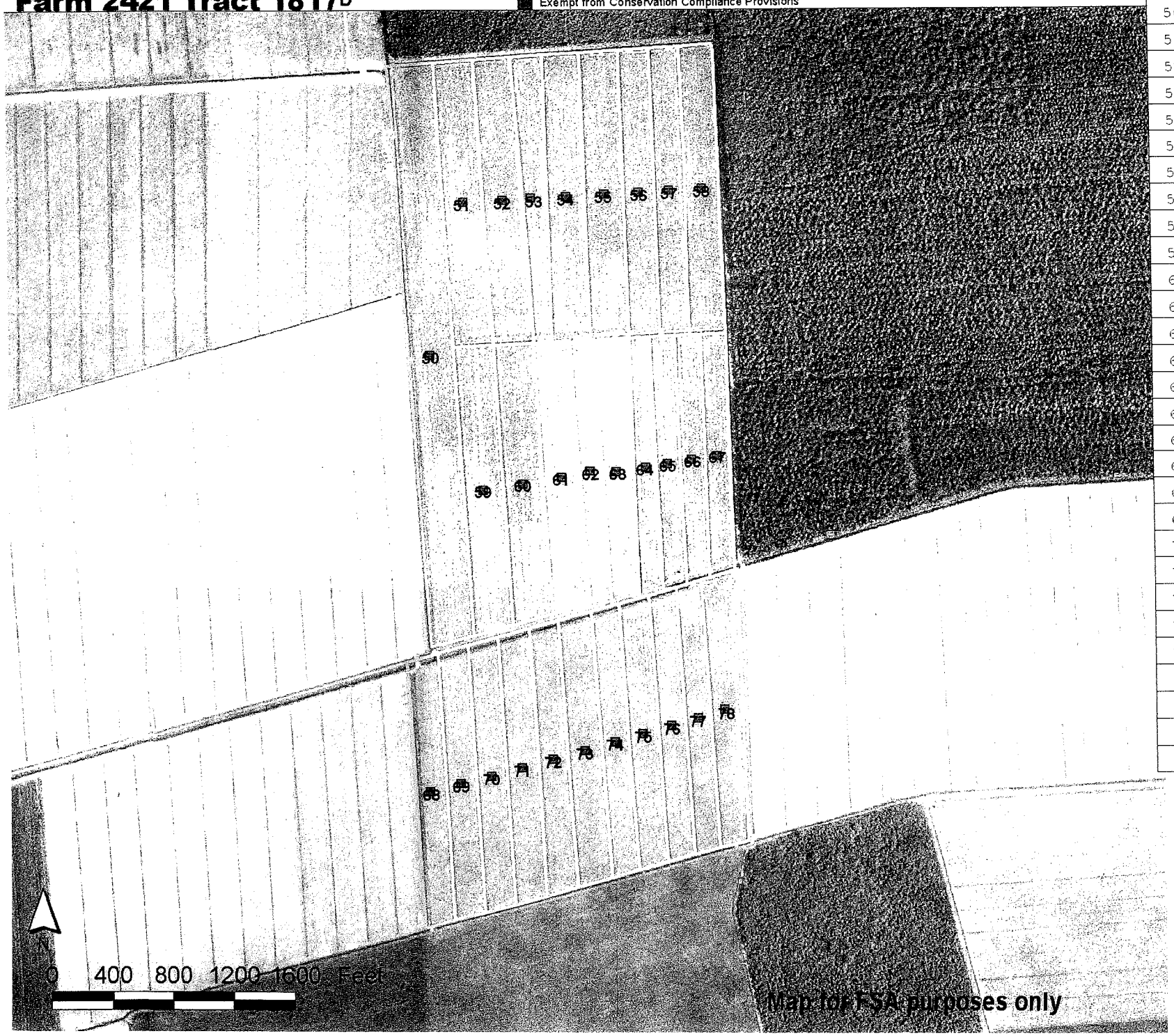
Pamlico County FSA

Farm 2421 Tract 1817D

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Fld	Acres	Crop	HEL	CRP
50	26.75		N	
51	11.76		N	
52	11.71		N	
53	7.42		N	
54	11.18		N	
55	11.36		N	
56	9.16		N	
57	9.13		N	
58	10.28		N	
59	11.77		N	
60	11.52		N	
61	10.24		N	
62	6.05		N	
63	8.37		N	
64	5.92		N	
65	6.43		N	
66	6.42		N	
67	6.13		N	
68	8.42		N	
69	8.34		N	
70	8.53		N	
71	8.86		N	
72	8.28		N	
73	9.47		N	
74	7.48		N	
75	8.21		N	
76	7.62		N	
77	7.13		N	
78	9.10		N	

Total Cropland Acres
273.0

Pamlico County FSA
Farm 2421 Tract 1817E

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Fld	Acres	Crop	HEL	CRP
79	6.34		N	
80	8.91		N	
81	7.85		N	
82	8.51		N	
83	7.49		N	
84	3.44		N	
85	5.25		N	
86	6.41		N	
87	8.68		N	
88	9.52		N	
89	10.10		N	
90	11.59		N	

Total Cropland Acres
94.1

Pamlico County FSA
Farm 2421 Tract 1817F

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

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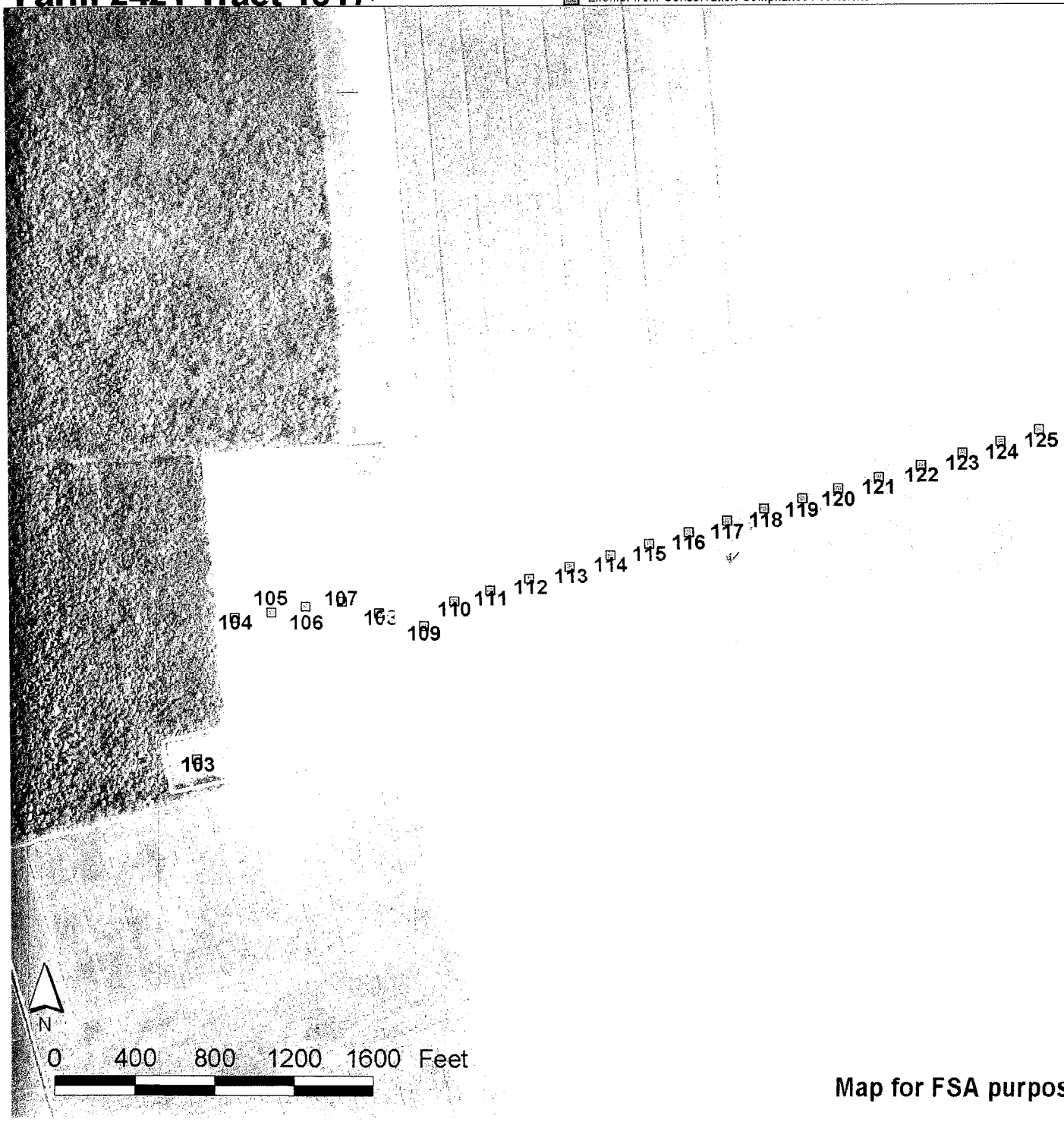


Tract	Acres	Crop	HEL	CRP
103	1.98		N	
104	7.03		N	
105	6.79		N	
106	6.76		N	
107	6.40		N	
108	6.63		N	
109	5.77		N	
110	7.12		N	
111	8.15		N	
112	8.52		N	
113	8.35		N	
114	8.17		N	
115	8.32		N	
116	8.22		N	
117	8.06		N	
118	8.62		N	
119	6.40		N	
120	8.81		N	
121	8.58		N	
122	9.24		N	
123	8.16		N	
124	8.36		N	
125	8.65		N	

Map for FSA purposes only

Total Cropland Acres
173.1

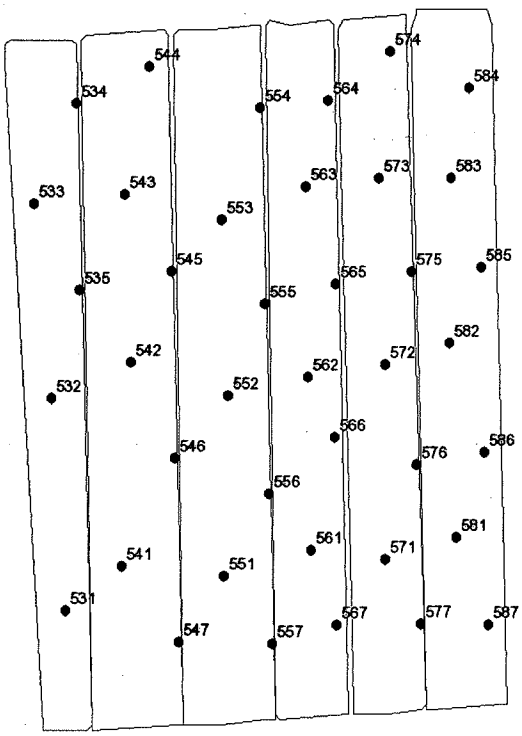
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 55.34

Field(s): Tingle Waters 53, Tingle Waters 54, Tingle Waters 55, Tingle Waters 56, Tingle Waters 57, Tingle Waters 58

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	77	51 - 130
K-I:	80	48 - 117
Mg%:	17.3	13.0 - 21.0
Ca%:	55.0	47.0 - 62.0
pH:	5.46	5.00 - 5.80
Ac:	3.73	2.50 - 5.80
S-I:	98	50 - 281
Zn-I:	264	108 - 500
Zn-Al:	N/A	N/A
Mn-I:	46	28 - 65
Mn-Al:	N/A	N/A
Cu-I:	62	36 - 101
CEC:	15.0	10.9 - 19.4
HM%:	9.1	6.4 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 53														
531	130.0	108.0	13.0	52.0	5.5	5.7	64.0	388.0	n/a	61.0	n/a	101.0	17.6	10.0
532	119.0	110.0	14.0	53.0	5.6	5.0	58.0	358.0	n/a	60.0	n/a	76.0	17.0	10.0
533	95.0	95.0	14.0	49.0	5.4	5.8	57.0	320.0	n/a	65.0	n/a	70.0	17.3	10.0
534	68.0	75.0	17.0	54.0	5.4	4.3	67.0	211.0	n/a	48.0	n/a	60.0	15.9	10.0
535	68.0	80.0	16.0	57.0	5.5	3.6	72.0	217.0	n/a	41.0	n/a	61.0	15.0	10.0
Tingle Waters 54														
541	88.0	117.0	17.0	59.0	5.7	3.2	59.0	450.0	n/a	43.0	n/a	74.0	15.9	10.0
542	87.0	105.0	18.0	60.0	5.7	3.3	58.0	412.0	n/a	55.0	n/a	76.0	16.9	10.0
543	83.0	98.0	20.0	58.0	5.5	3.7	89.0	500.0	n/a	64.0	n/a	82.0	19.4	10.0
544	65.0	68.0	18.0	54.0	5.3	4.0	97.0	262.0	n/a	51.0	n/a	72.0	15.5	10.0
545	62.0	71.0	17.0	50.0	5.0	4.9	87.0	285.0	n/a	49.0	n/a	65.0	15.7	10.0
546	67.0	56.0	19.0	52.0	5.5	3.0	71.0	205.0	n/a	34.0	n/a	61.0	11.1	8.5
547	59.0	63.0	15.0	47.0	5.1	4.0	80.0	156.0	n/a	28.0	n/a	36.0	11.1	10.0
Tingle Waters 55														
551	102.0	117.0	19.0	57.0	5.7	3.1	73.0	363.0	n/a	44.0	n/a	72.0	14.7	10.0
552	96.0	112.0	18.0	59.0	5.7	3.2	90.0	362.0	n/a	55.0	n/a	79.0	16.4	10.0
553	96.0	100.0	20.0	59.0	5.6	3.3	99.0	406.0	n/a	64.0	n/a	88.0	18.2	10.0
554	66.0	56.0	15.0	53.0	5.2	3.9	122.0	188.0	n/a	40.0	n/a	60.0	13.3	9.2
555	65.0	65.0	18.0	56.0	5.4	3.3	159.0	191.0	n/a	38.0	n/a	60.0	14.4	8.5
556	78.0	69.0	15.0	53.0	5.5	3.4	76.0	150.0	n/a	32.0	n/a	44.0	11.6	8.0
557	65.0	88.0	14.0	59.0	5.8	2.5	89.0	108.0	n/a	30.0	n/a	43.0	10.9	7.2
Tingle Waters 56														
561	91.0	93.0	20.0	55.0	5.7	3.4	67.0	349.0	n/a	43.0	n/a	60.0	15.9	10.0
562	85.0	98.0	18.0	58.0	5.5	3.7	89.0	350.0	n/a	49.0	n/a	66.0	17.3	10.0

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SAMPLE DATE: 2012-03-15
ISSUED: 8:33am EDT Mar20, 2012
A Product of Aofleet Version 3.00

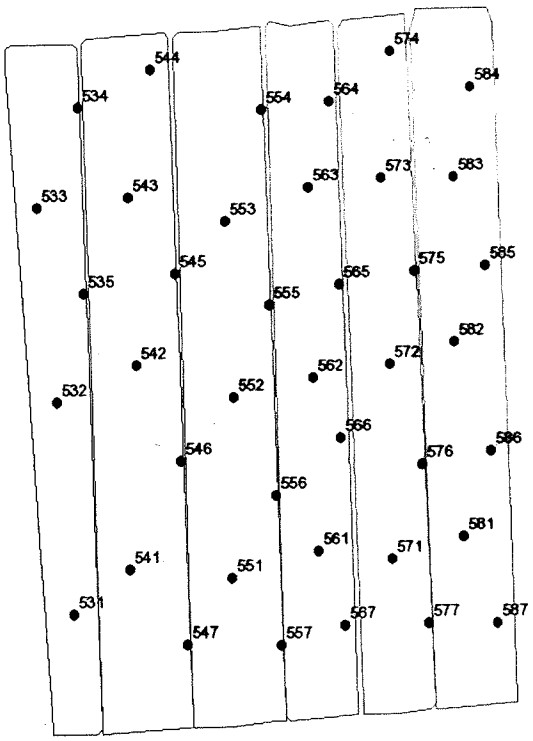
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 55.34

Field(s): Tingle Waters 53, Tingle Waters 54, Tingle Waters 55, Tingle Waters 56, Tingle Waters 57, Tingle Waters 58

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	77	51 - 130
K-I:	80	48 - 117
Mg%:	17.3	13.0 - 21.0
Ca%:	55.0	47.0 - 62.0
pH:	5.46	5.00 - 5.80
Ac:	3.73	2.50 - 5.80
S-I:	98	50 - 281
Zn-I:	264	108 - 500
Zn-Al:	N/A	N/A
Mn-I:	46	28 - 65
Mn-Al:	N/A	N/A
Cu-I:	62	36 - 101
CEC:	15.0	10.9 - 19.4
HM%:	9.1	6.4 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
563	75.0	87.0	19.0	58.0	5.6	3.4	90.0	313.0	n/a	48.0	n/a	69.0	16.9	9.6
564	52.0	56.0	14.0	49.0	5.0	4.9	160.0	168.0	n/a	45.0	n/a	51.0	13.8	8.2
565	51.0	53.0	15.0	50.0	5.1	3.8	281.0	118.0	n/a	31.0	n/a	51.0	11.7	6.4
566	52.0	54.0	15.0	51.0	5.3	3.9	127.0	154.0	n/a	33.0	n/a	47.0	12.5	7.2
567	66.0	60.0	16.0	52.0	5.3	3.7	100.0	176.0	n/a	43.0	n/a	51.0	12.5	8.5
Tingle Waters 57														
571	83.0	100.0	21.0	57.0	5.7	3.2	74.0	326.0	n/a	48.0	n/a	51.0	16.7	10.0
572	86.0	93.0	20.0	58.0	5.6	3.6	58.0	369.0	n/a	58.0	n/a	81.0	17.7	10.0
573	74.0	78.0	19.0	55.0	5.5	4.2	67.0	300.0	n/a	56.0	n/a	68.0	17.5	10.0
574	67.0	56.0	16.0	55.0	5.2	3.9	153.0	201.0	n/a	47.0	n/a	59.0	14.5	8.0
575	67.0	66.0	17.0	58.0	5.4	3.2	263.0	185.0	n/a	33.0	n/a	63.0	14.7	7.7
576	75.0	62.0	16.0	56.0	5.5	3.4	117.0	204.0	n/a	35.0	n/a	51.0	13.2	8.2
577	69.0	48.0	18.0	52.0	5.4	3.4	72.0	173.0	n/a	31.0	n/a	38.0	12.1	8.0
Tingle Waters 58														
581	90.0	73.0	18.0	56.0	5.6	3.5	67.0	280.0	n/a	52.0	n/a	61.0	14.5	10.0
582	77.0	72.0	20.0	62.0	5.7	2.6	169.0	242.0	n/a	49.0	n/a	75.0	15.8	7.0
583	74.0	81.0	17.0	62.0	5.7	2.9	91.0	280.0	n/a	57.0	n/a	66.0	15.8	8.5
584	69.0	73.0	19.0	53.0	5.3	3.9	65.0	224.0	n/a	45.0	n/a	50.0	15.4	9.2
585	73.0	77.0	20.0	55.0	5.4	3.4	103.0	200.0	n/a	45.0	n/a	57.0	14.9	7.7
586	61.0	79.0	19.0	55.0	5.6	3.6	98.0	200.0	n/a	43.0	n/a	61.0	15.1	8.9
587	66.0	68.0	17.0	50.0	5.4	4.4	50.0	232.0	n/a	39.0	n/a	41.0	14.7	10.0

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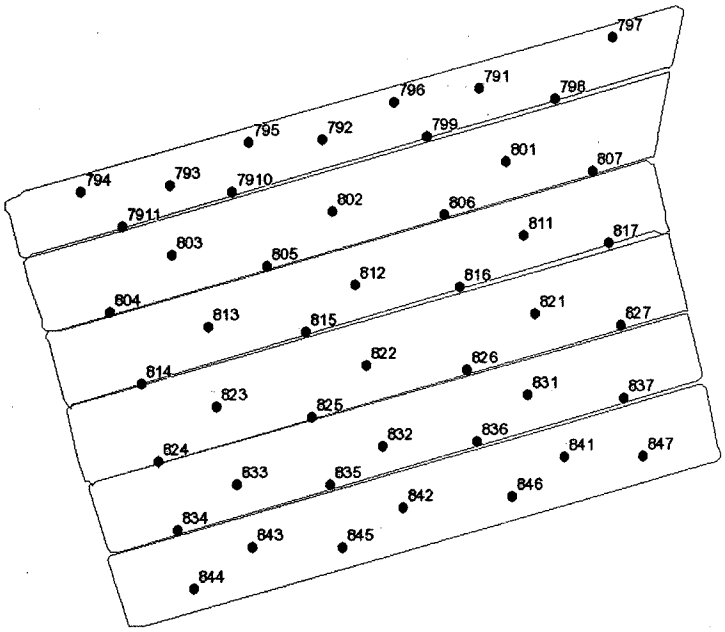
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 45.75

Field(s): Tingle Waters 79, Tingle Waters 80, Tingle Waters 81, Tingle Waters 82, Tingle Waters 83, Tingle Waters 84

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	80	46 - 132
K-I:	83	43 - 142
Mg%:	11.6	10.0 - 15.0
Ca%:	52.5	40.0 - 73.0
pH:	5.77	5.20 - 6.60
Ac:	2.95	0.60 - 4.60
S-I:	55	34 - 80
Zn-I:	110	51 - 204
Zn-Al:	N/A	N/A
Mn-I:	29	16 - 47
Mn-Al:	N/A	N/A
Cu-I:	51	31 - 83
CEC:	9.4	7.7 - 13.7
HM%:	6.0	1.4 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 79														
791	116.0	112.0	11.0	63.0	6.1	2.1	47.0	120.0	n/a	29.0	n/a	65.0	10.3	4.0
792	116.0	142.0	10.0	64.0	6.2	1.8	48.0	114.0	n/a	29.0	n/a	65.0	9.7	3.8
793	111.0	97.0	10.0	62.0	6.1	2.2	46.0	112.0	n/a	32.0	n/a	58.0	9.4	4.7
794	109.0	116.0	14.0	60.0	6.2	1.8	35.0	116.0	n/a	32.0	n/a	63.0	9.1	3.7
795	105.0	105.0	14.0	73.0	6.6	0.6	34.0	106.0	n/a	37.0	n/a	69.0	8.5	1.4
796	132.0	96.0	13.0	70.0	6.5	1.0	39.0	111.0	n/a	31.0	n/a	74.0	8.8	1.6
797	100.0	115.0	12.0	61.0	6.1	2.2	38.0	126.0	n/a	25.0	n/a	59.0	10.4	3.8
798	74.0	76.0	11.0	63.0	6.1	2.1	54.0	90.0	n/a	27.0	n/a	45.0	9.5	4.0
799	66.0	79.0	11.0	60.0	6.1	2.0	57.0	61.0	n/a	21.0	n/a	46.0	8.1	2.6
7910	77.0	92.0	12.0	70.0	6.4	1.4	43.0	76.0	n/a	22.0	n/a	51.0	9.8	3.4
7911	74.0	87.0	10.0	61.0	6.0	2.5	45.0	71.0	n/a	23.0	n/a	49.0	10.0	5.0
Tingle Waters 80														
801	92.0	76.0	10.0	51.0	5.7	3.2	50.0	118.0	n/a	28.0	n/a	51.0	9.0	6.2
802	96.0	104.0	12.0	52.0	5.9	2.6	56.0	113.0	n/a	33.0	n/a	56.0	8.7	5.2
803	93.0	98.0	12.0	51.0	5.9	2.6	56.0	92.0	n/a	26.0	n/a	53.0	8.4	5.4
804	71.0	88.0	10.0	53.0	5.8	3.0	58.0	68.0	n/a	22.0	n/a	44.0	9.3	4.7
805	54.0	77.0	11.0	56.0	5.9	2.4	53.0	51.0	n/a	19.0	n/a	40.0	8.3	3.9
806	69.0	70.0	11.0	56.0	5.9	2.2	65.0	60.0	n/a	18.0	n/a	44.0	7.7	3.6
807	62.0	64.0	10.0	47.0	5.5	3.4	63.0	86.0	n/a	22.0	n/a	36.0	8.5	5.7
Tingle Waters 81														
811	93.0	85.0	10.0	44.0	5.6	3.3	50.0	130.0	n/a	32.0	n/a	62.0	7.9	6.2
812	100.0	99.0	11.0	51.0	5.9	2.8	43.0	146.0	n/a	39.0	n/a	83.0	8.9	6.6
813	94.0	82.0	10.0	43.0	5.6	3.6	52.0	152.0	n/a	34.0	n/a	55.0	8.7	8.0
814	57.0	80.0	10.0	45.0	5.6	3.2	67.0	65.0	n/a	20.0	n/a	47.0	8.0	5.5

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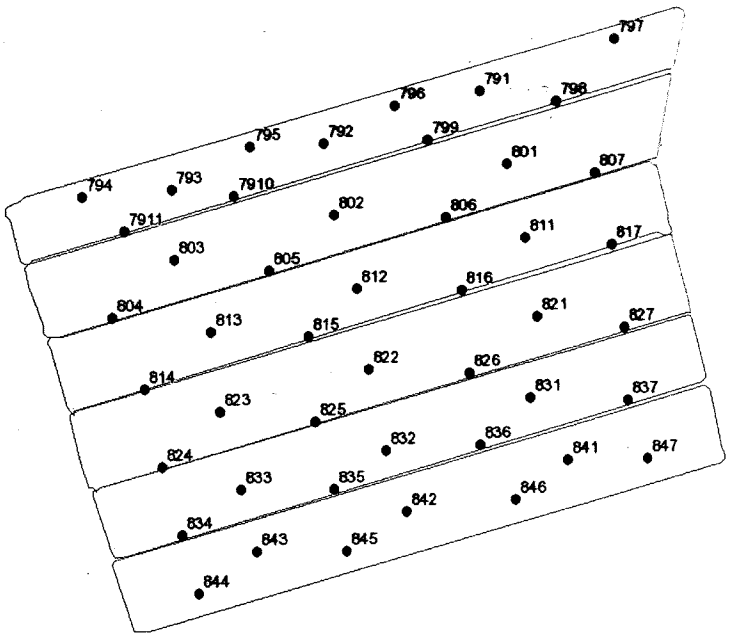
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 45.75

Field(s): Tingle Waters 79, Tingle Waters 80, Tingle Waters 81, Tingle Waters 82, Tingle Waters 83, Tingle Waters 84

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	80	46 - 132
K-I:	83	43 - 142
Mg%:	11.6	10.0 - 15.0
Ca%:	52.5	40.0 - 73.0
pH:	5.77	5.20 - 6.60
Ac:	2.95	0.60 - 4.60
S-I:	55	34 - 80
Zn-I:	110	51 - 204
Zn-Al:	N/A	N/A
Mn-I:	29	16 - 47
Mn-Al:	N/A	N/A
Cu-I:	51	31 - 83
CEC:	9.4	7.7 - 13.7
HM%:	6.0	1.4 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
815	72.0	77.0	10.0	52.0	5.8	3.0	71.0	69.0	n/a	24.0	n/a	47.0	8.7	6.2
816	73.0	62.0	13.0	54.0	6.0	2.3	65.0	68.0	n/a	23.0	n/a	59.0	8.1	4.2
817	57.0	48.0	11.0	46.0	5.3	3.9	50.0	86.0	n/a	22.0	n/a	47.0	9.5	7.5
Tingle Waters 82														
821	75.0	83.0	11.0	48.0	5.5	3.8	62.0	160.0	n/a	37.0	n/a	48.0	10.2	9.2
822	91.0	82.0	12.0	53.0	5.9	2.9	64.0	134.0	n/a	34.0	n/a	57.0	9.4	7.5
823	92.0	91.0	10.0	43.0	5.6	3.9	52.0	145.0	n/a	32.0	n/a	55.0	9.2	8.9
824	55.0	61.0	14.0	44.0	5.5	3.4	57.0	56.0	n/a	16.0	n/a	36.0	8.9	5.2
825	53.0	43.0	10.0	42.0	5.4	3.5	54.0	69.0	n/a	17.0	n/a	36.0	7.8	5.8
826	69.0	70.0	12.0	52.0	5.7	2.8	80.0	71.0	n/a	23.0	n/a	41.0	8.7	5.2
827	59.0	63.0	11.0	47.0	5.5	4.2	64.0	134.0	n/a	24.0	n/a	43.0	10.8	9.6
Tingle Waters 83														
831	68.0	79.0	12.0	46.0	5.5	4.2	61.0	181.0	n/a	38.0	n/a	43.0	10.8	10.0
832	90.0	91.0	12.0	54.0	5.8	2.9	55.0	129.0	n/a	39.0	n/a	62.0	9.9	6.8
833	78.0	90.0	11.0	47.0	5.6	3.5	49.0	141.0	n/a	35.0	n/a	59.0	9.6	8.0
834	64.0	64.0	14.0	47.0	5.5	3.1	54.0	76.0	n/a	21.0	n/a	46.0	8.7	5.2
835	65.0	55.0	11.0	50.0	5.5	3.4	48.0	92.0	n/a	25.0	n/a	37.0	9.5	6.2
836	82.0	74.0	12.0	58.0	6.0	2.1	59.0	74.0	n/a	26.0	n/a	50.0	8.5	5.4
837	63.0	57.0	13.0	47.0	5.4	4.0	53.0	141.0	n/a	31.0	n/a	31.0	10.5	7.5
Tingle Waters 84														
841	46.0	112.0	14.0	53.0	5.5	3.9	60.0	198.0	n/a	47.0	n/a	45.0	13.7	8.9
842	71.0	76.0	12.0	48.0	5.6	3.4	51.0	126.0	n/a	35.0	n/a	54.0	9.4	6.8
843	65.0	75.0	11.0	42.0	5.4	3.8	57.0	124.0	n/a	27.0	n/a	48.0	8.9	7.7
844	71.0	84.0	11.0	40.0	5.4	4.0	49.0	120.0	n/a	25.0	n/a	49.0	9.1	7.7
845	107.0	83.0	12.0	45.0	5.4	3.9	65.0	149.0	n/a	32.0	n/a	56.0	10.0	9.6

Crop Production Services

SAMPLE DATE: 2012-03-15
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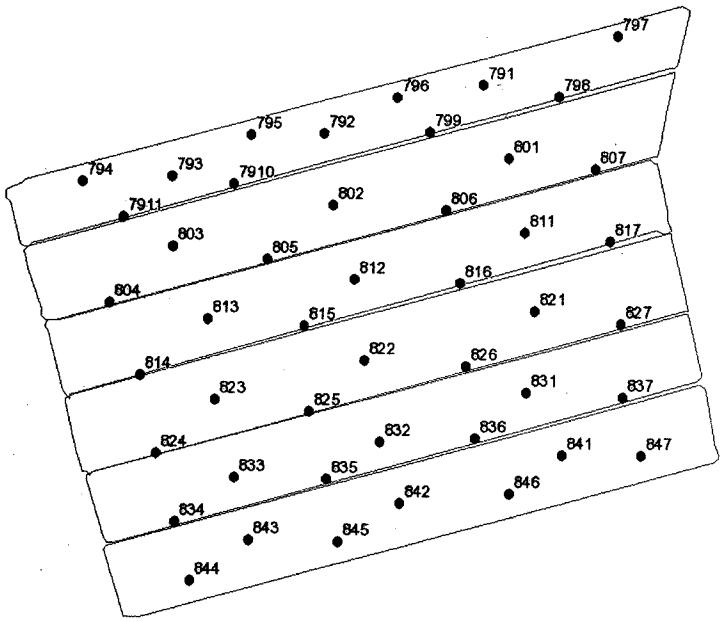
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 45.75

Field(s): Tingle Waters 79, Tingle Waters 80, Tingle Waters 81, Tingle Waters 82, Tingle Waters 83, Tingle Waters 84

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	80	46 - 132
K-I:	83	43 - 142
Mg%:	11.6	10.0 - 15.0
Ca%:	52.5	40.0 - 73.0
pH:	5.77	5.20 - 6.60
Ac:	2.95	0.60 - 4.60
S-I:	55	34 - 80
Zn-I:	110	51 - 204
Zn-Al:	N/A	N/A
Mn-I:	29	16 - 47
Mn-Al:	N/A	N/A
Cu-I:	51	31 - 83
CEC:	9.4	7.7 - 13.7
HM%:	6.0	1.4 - 10.0

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	846	92.0	91.0	14.0	54.0	5.7	3.0	70.0	150.0	n/a	41.0	n/a	50.0	10.8	9.2
	847	73.0	70.0	15.0	47.0	5.2	4.6	76.0	204.0	n/a	42.0	n/a	39.0	13.0	10.0

Crop Production Services

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SAMPLE DATE: 2012-03-15
ISSUED: 8:42am EDT Mar20, 2012
A Product of Agfleet Version 3.00

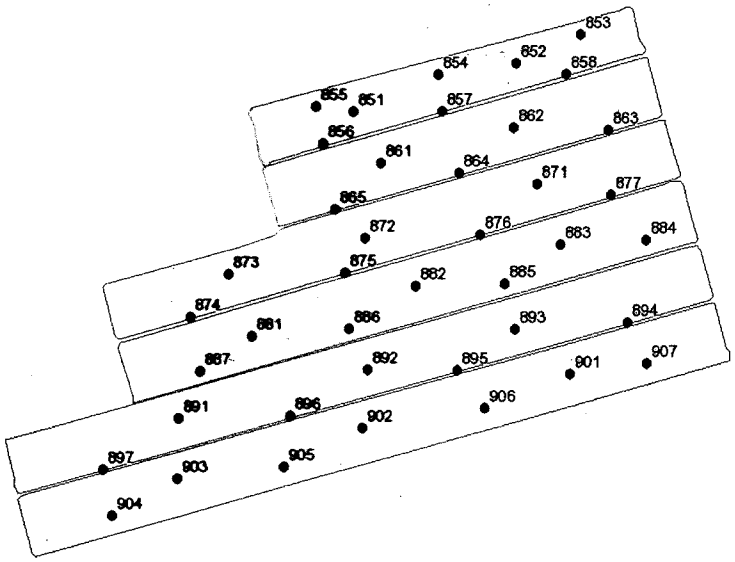
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 48.95

Field(s): Tingle Waters 87, Tingle Waters 85, Tingle Waters 86, Tingle Waters 88, Tingle Waters 89, Tingle Waters 90

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	91	47 - 203
K-I:	85	31 - 165
Mg%:	14.9	10.0 - 18.0
Ca%:	51.6	41.0 - 86.0
pH:	5.51	5.00 - 7.40
Ac:	3.65	0.10 - 4.80
S-I:	65	49 - 81
Zn-I:	171	54 - 394
Zn-Al:	N/A	N/A
Mn-I:	32	19 - 55
Mn-Al:	N/A	N/A
Cu-I:	61	26 - 210
CEC:	12.4	9.5 - 21.3
HM%:	8.4	3.5 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 85														
851	129.0	77.0	15.0	51.0	5.5	4.0	58.0	308.0	n/a	38.0	n/a	152.0	12.6	9.2
852	116.0	115.0	17.0	51.0	5.5	4.3	60.0	363.0	n/a	38.0	n/a	114.0	15.3	10.0
853	203.0	165.0	10.0	86.0	7.4	0.1	61.0	394.0	n/a	55.0	n/a	210.0	21.3	5.0
854	153.0	123.0	15.0	63.0	6.3	1.5	54.0	189.0	n/a	37.0	n/a	111.0	10.0	3.5
855	122.0	107.0	16.0	57.0	5.9	2.2	59.0	167.0	n/a	31.0	n/a	105.0	9.9	4.4
856	83.0	42.0	14.0	45.0	5.3	3.6	66.0	170.0	n/a	22.0	n/a	62.0	9.5	7.2
857	62.0	31.0	16.0	45.0	5.3	3.8	61.0	112.0	n/a	20.0	n/a	40.0	10.3	8.9
858	47.0	48.0	17.0	45.0	5.2	4.4	81.0	139.0	n/a	21.0	n/a	42.0	12.3	10.0
Tingle Waters 86														
861	113.0	79.0	18.0	55.0	5.7	3.4	71.0	269.0	n/a	34.0	n/a	80.0	13.9	10.0
862	102.0	88.0	17.0	54.0	5.5	4.1	74.0	301.0	n/a	42.0	n/a	79.0	15.5	10.0
863	70.0	53.0	16.0	47.0	5.3	4.1	75.0	135.0	n/a	27.0	n/a	43.0	11.7	8.9
864	71.0	49.0	17.0	51.0	5.5	3.6	81.0	112.0	n/a	22.0	n/a	39.0	12.0	7.7
865	79.0	55.0	17.0	51.0	5.5	3.4	74.0	118.0	n/a	24.0	n/a	44.0	11.5	7.7
Tingle Waters 87														
871	89.0	104.0	14.0	53.0	5.5	4.0	66.0	242.0	n/a	34.0	n/a	67.0	13.8	10.0
872	116.0	86.0	15.0	50.0	5.4	4.4	77.0	275.0	n/a	38.0	n/a	70.0	13.5	9.6
873	140.0	99.0	15.0	56.0	5.7	3.4	53.0	280.0	n/a	52.0	n/a	91.0	13.4	7.5
874	74.0	53.0	15.0	47.0	5.5	3.4	62.0	81.0	n/a	21.0	n/a	47.0	9.6	5.4
875	69.0	69.0	18.0	48.0	5.5	3.3	80.0	85.0	n/a	20.0	n/a	37.0	10.8	6.6
876	60.0	57.0	15.0	48.0	5.4	3.6	76.0	88.0	n/a	19.0	n/a	39.0	10.4	7.2
877	57.0	72.0	16.0	47.0	5.4	3.8	78.0	101.0	n/a	21.0	n/a	43.0	11.2	9.2
Tingle Waters 88														
881	95.0	99.0	16.0	52.0	5.5	3.7	67.0	223.0	n/a	41.0	n/a	54.0	13.0	8.5

Crop Production Services

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SAMPLE DATE: 2012-03-15
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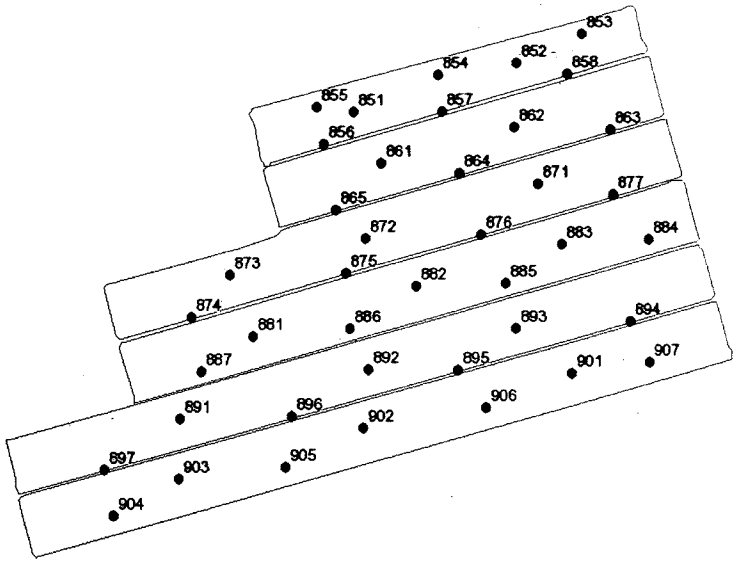
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 48.95

Field(s): Tingle Waters 87, Tingle Waters 85, Tingle Waters 86, Tingle Waters 88, Tingle Waters 89, Tingle Waters 90

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2546



Element	Average	Range
P-I:	91	47 - 203
K-I:	85	31 - 165
Mg%:	14.9	10.0 - 18.0
Ca%:	51.6	41.0 - 86.0
pH:	5.51	5.00 - 7.40
Ac:	3.65	0.10 - 4.80
S-I:	65	49 - 81
Zn-I:	171	54 - 394
Zn-Al:	N/A	N/A
Mn-I:	32	19 - 55
Mn-Al:	N/A	N/A
Cu-I:	61	26 - 210
CEC:	12.4	9.5 - 21.3
HM%:	8.4	3.5 - 10.0

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
882	106.0	93.0	16.0	51.0	5.5	4.3	61.0	264.0	n/a	32.0	n/a	59.0	14.6	[illegible]
883	95.0	93.0	15.0	50.0	5.4	4.1	64.0	239.0	n/a	35.0	n/a	52.0	12.7	[illegible]
884	77.0	64.0	13.0	48.0	5.3	3.8	79.0	101.0	n/a	24.0	n/a	39.0	10.5	[illegible]
885	59.0	57.0	14.0	45.0	5.2	4.1	60.0	80.0	n/a	22.0	n/a	33.0	10.8	[illegible]
886	82.0	50.0	15.0	48.0	5.3	3.5	58.0	93.0	n/a	24.0	n/a	36.0	10.2	[illegible]
887	68.0	65.0	17.0	45.0	5.3	4.0	63.0	79.0	n/a	20.0	n/a	47.0	11.3	[illegible]
Tingle Waters 89														
891	100.0	119.0	16.0	54.0	5.6	3.6	60.0	162.0	n/a	36.0	n/a	46.0	13.9	[illegible]
892	114.0	120.0	15.0	52.0	5.6	3.8	53.0	214.0	n/a	43.0	n/a	40.0	13.2	[illegible]
893	88.0	105.0	14.0	51.0	5.4	4.2	49.0	234.0	n/a	43.0	n/a	35.0	13.4	[illegible]
894	65.0	36.0	11.0	41.0	5.0	4.8	52.0	91.0	n/a	26.0	n/a	26.0	10.2	[illegible]
895	47.0	62.0	14.0	48.0	5.3	4.4	66.0	100.0	n/a	22.0	n/a	27.0	12.6	[illegible]
896	74.0	60.0	16.0	52.0	5.5	3.4	57.0	73.0	n/a	23.0	n/a	31.0	11.6	[illegible]
897	47.0	81.0	16.0	51.0	5.3	3.7	62.0	54.0	n/a	24.0	n/a	32.0	12.6	[illegible]
Tingle Waters 90														
901	92.0	105.0	12.0	53.0	5.4	4.0	54.0	180.0	n/a	41.0	n/a	48.0	12.8	[illegible]
902	101.0	103.0	11.0	58.0	5.6	3.6	61.0	151.0	n/a	39.0	n/a	53.0	13.3	[illegible]
903	102.0	137.0	12.0	53.0	5.4	3.8	69.0	127.0	n/a	42.0	n/a	67.0	12.8	[illegible]
904	82.0	126.0	15.0	52.0	5.5	3.6	67.0	91.0	n/a	29.0	n/a	65.0	12.8	[illegible]
905	103.0	111.0	14.0	56.0	5.6	3.4	70.0	161.0	n/a	39.0	n/a	79.0	12.9	[illegible]
906	87.0	131.0	12.0	53.0	5.5	3.8	57.0	173.0	n/a	38.0	n/a	64.0	12.7	[illegible]
907	106.0	114.0	13.0	54.0	5.5	3.8	63.0	190.0	n/a	36.0	n/a	58.0	13.0	[illegible]

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SAMPLE DATE: 2012-03-15
ISSUED: 9:06am EDT Mar20, 2012
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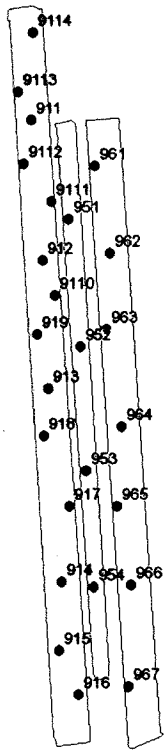
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 35.27

Field(s): Tingle Waters 91, Tingle Waters 95, Tingle Waters 96

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	109	71 - 171
K-I:	71	58 - 91
Mg%:	17.0	16.0 - 19.0
Ca%:	65.8	61.0 - 71.0
pH:	6.41	6.10 - 6.80
Ac:	1.20	0.70 - 1.60
S-I:	47	35 - 64
Zn-I:	99	62 - 149
Zn-Al:	N/A	N/A
Mn-I:	65	38 - 96
Mn-Al:	N/A	N/A
Cu-I:	106	70 - 135
CEC:	9.2	6.8 - 10.6
HM%:	2.0	1.2 - 2.7

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 91														
911	119.0	71.0	18.0	65.0	6.5	1.2	46.0	107.0	n/a	59.0	n/a	112.0	9.3	2.1
912	123.0	72.0	16.0	64.0	6.4	1.2	39.0	114.0	n/a	67.0	n/a	109.0	8.2	1.7
913	124.0	68.0	18.0	62.0	6.3	1.4	47.0	107.0	n/a	64.0	n/a	114.0	8.6	2.2
914	148.0	82.0	18.0	66.0	6.3	1.4	44.0	88.0	n/a	53.0	n/a	104.0	10.5	2.6
915	120.0	71.0	16.0	65.0	6.3	1.3	38.0	76.0	n/a	54.0	n/a	106.0	8.7	1.9
916	171.0	79.0	16.0	71.0	6.7	0.9	35.0	112.0	n/a	64.0	n/a	114.0	9.9	1.7
917	132.0	85.0	17.0	64.0	6.4	1.3	49.0	109.0	n/a	61.0	n/a	101.0	9.6	2.6
918	128.0	61.0	18.0	61.0	6.1	1.6	60.0	90.0	n/a	58.0	n/a	117.0	8.9	2.6
919	110.0	65.0	17.0	63.0	6.4	1.3	64.0	91.0	n/a	58.0	n/a	114.0	8.3	2.1
9110	87.0	60.0	16.0	61.0	6.2	1.3	58.0	73.0	n/a	50.0	n/a	91.0	6.8	1.7
9111	76.0	58.0	17.0	65.0	6.4	1.2	53.0	71.0	n/a	49.0	n/a	85.0	8.0	1.6
9112	97.0	59.0	17.0	67.0	6.6	1.0	50.0	78.0	n/a	43.0	n/a	109.0	8.2	1.4
9113	97.0	61.0	17.0	66.0	6.5	1.1	52.0	72.0	n/a	38.0	n/a	99.0	8.5	1.2
9114	130.0	76.0	17.0	67.0	6.5	1.2	53.0	149.0	n/a	66.0	n/a	116.0	10.0	1.6
Tingle Waters 95														
951	71.0	61.0	16.0	66.0	6.2	1.2	42.0	97.0	n/a	69.0	n/a	125.0	8.3	1.7
952	78.0	68.0	16.0	68.0	6.4	1.0	47.0	120.0	n/a	81.0	n/a	135.0	8.8	1.9
953	77.0	76.0	16.0	66.0	6.2	1.3	38.0	97.0	n/a	71.0	n/a	121.0	9.1	2.3
954	89.0	75.0	16.0	68.0	6.2	1.3	36.0	103.0	n/a	58.0	n/a	119.0	10.6	2.4
Tingle Waters 96														
961	107.0	91.0	18.0	69.0	6.6	1.0	44.0	126.0	n/a	92.0	n/a	101.0	10.3	2.2
962	122.0	75.0	18.0	71.0	6.6	0.8	47.0	115.0	n/a	96.0	n/a	111.0	10.3	2.1
963	111.0	69.0	19.0	70.0	6.8	0.7	45.0	108.0	n/a	94.0	n/a	104.0	9.8	1.8
964	119.0	80.0	17.0	67.0	6.6	1.2	52.0	114.0	n/a	85.0	n/a	106.0	9.9	2.3

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SAMPLE DATE: 2012-03-15
ISSUED: 9:10am EDT Mar20, 2012
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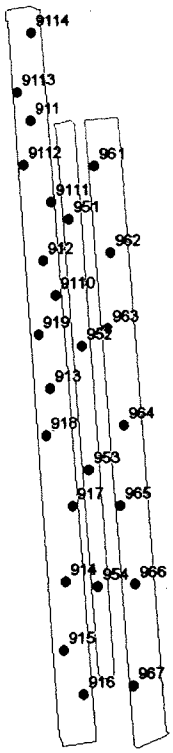
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 35.27

Field(s): Tingle Waters 91, Tingle Waters 95, Tingle Waters 96

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	109	71 - 171
K-I:	71	58 - 91
Mg%:	17.0	16.0 - 19.0
Ca%:	65.8	61.0 - 71.0
pH:	6.41	6.10 - 6.80
Ac:	1.20	0.70 - 1.60
S-I:	47	35 - 64
Zn-I:	99	62 - 149
Zn-Al:	N/A	N/A
Mn-I:	65	38 - 96
Mn-Al:	N/A	N/A
Cu-I:	106	70 - 135
CEC:	9.2	6.8 - 10.6
HM%:	2.0	1.2 - 2.7

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	965	78.0	65.0	17.0	62.0	6.2	1.6	54.0	87.0	n/a	69.0	n/a	74.0	8.9	2.5
	966	106.0	79.0	16.0	65.0	6.3	1.5	52.0	104.0	n/a	63.0	n/a	89.0	10.2	2.7
	967	93.0	63.0	19.0	67.0	6.6	1.0	40.0	62.0	n/a	53.0	n/a	70.0	9.6	1.4

SAMPLE DATE: 2012-03-15
ISSUED: 9:10am EDT Mar20, 2012
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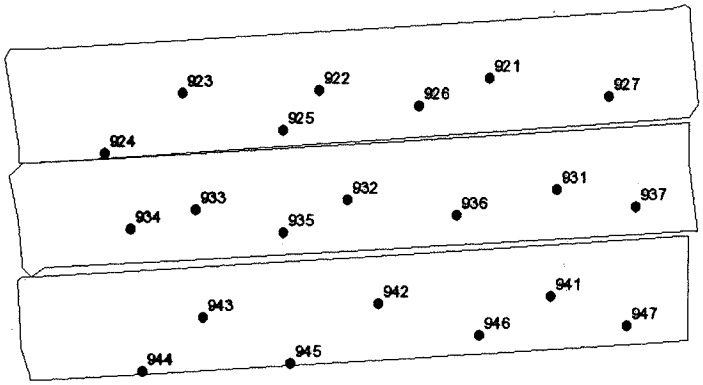
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 16.46

Field(s): Tingle Waters 92, Tingle Waters 93, Tingle Waters 94

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	90	41 - 147
K-I:	71	34 - 97
Mg%:	16.0	12.0 - 22.0
Ca%:	62.5	54.0 - 71.0
pH:	6.17	5.50 - 6.80
Ac:	1.43	0.80 - 2.20
S-I:	49	41 - 65
Zn-I:	78	35 - 157
Zn-Al:	N/A	N/A
Mn-I:	42	26 - 71
Mn-Al:	N/A	N/A
Cu-I:	66	35 - 119
CEC:	8.7	6.3 - 11.0
HM%:	1.7	1.0 - 2.8

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 92														
921	111.0	92.0	16.0	66.0	6.3	1.3	42.0	127.0	n/a	49.0	n/a	90.0	9.7	1.5
922	107.0	95.0	17.0	69.0	6.8	0.9	51.0	135.0	n/a	55.0	n/a	96.0	10.2	1.4
923	98.0	87.0	16.0	70.0	6.8	0.8	52.0	146.0	n/a	51.0	n/a	95.0	9.1	1.0
924	55.0	52.0	13.0	63.0	6.1	1.4	55.0	53.0	n/a	31.0	n/a	44.0	6.8	1.0
925	41.0	56.0	13.0	58.0	5.7	1.8	51.0	37.0	n/a	26.0	n/a	35.0	6.9	1.2
926	48.0	69.0	13.0	55.0	5.6	2.0	54.0	39.0	n/a	28.0	n/a	38.0	7.5	1.5
927	53.0	65.0	12.0	55.0	5.6	2.0	52.0	45.0	n/a	29.0	n/a	40.0	7.1	1.8
Tingle Waters 93														
931	143.0	94.0	18.0	67.0	6.5	1.2	65.0	129.0	n/a	56.0	n/a	92.0	10.7	2.2
932	136.0	95.0	18.0	69.0	6.7	1.0	64.0	157.0	n/a	65.0	n/a	119.0	11.0	1.9
933	144.0	88.0	18.0	71.0	6.8	0.8	41.0	140.0	n/a	71.0	n/a	104.0	10.5	1.6
934	50.0	34.0	12.0	55.0	5.6	1.9	44.0	35.0	n/a	29.0	n/a	35.0	6.3	1.4
935	59.0	50.0	13.0	58.0	5.5	1.7	53.0	38.0	n/a	29.0	n/a	40.0	6.9	1.6
936	52.0	48.0	13.0	55.0	5.6	2.2	44.0	38.0	n/a	29.0	n/a	37.0	7.6	1.9
937	66.0	54.0	12.0	54.0	5.5	2.1	45.0	44.0	n/a	29.0	n/a	38.0	7.1	1.7
Tingle Waters 94														
941	146.0	95.0	17.0	65.0	6.4	1.5	52.0	87.0	n/a	52.0	n/a	93.0	10.3	2.1
942	141.0	93.0	17.0	66.0	6.5	1.3	52.0	94.0	n/a	55.0	n/a	94.0	10.2	1.9
943	147.0	97.0	17.0	70.0	6.7	0.9	44.0	96.0	n/a	62.0	n/a	111.0	9.9	1.6
944	65.0	57.0	19.0	63.0	6.3	1.2	43.0	47.0	n/a	39.0	n/a	50.0	7.8	1.4
945	65.0	61.0	22.0	63.0	6.4	1.1	41.0	47.0	n/a	38.0	n/a	44.0	8.8	1.5
946	75.0	50.0	22.0	62.0	6.2	1.3	41.0	50.0	n/a	35.0	n/a	44.0	9.2	2.0
947	80.0	63.0	18.0	59.0	5.9	1.6	47.0	63.0	n/a	34.0	n/a	44.0	8.2	2.8

Crop Production Services

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SAMPLE DATE: 2012-03-15
ISSUED: 9:12am EDT Mar20, 2012
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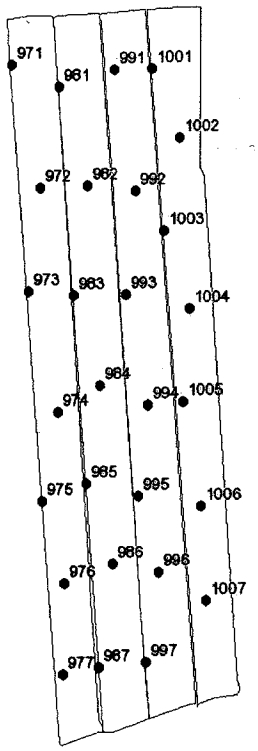
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 58.22

Field(s): Tingle Waters 97, Tingle Waters 98, Tingle Waters 99, Tingle Waters 100

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	83	49 - 135
K-I:	73	44 - 132
Mg%:	17.6	14.0 - 21.0
Ca%:	59.5	52.0 - 67.0
pH:	6.03	5.50 - 6.70
Ac:	1.85	0.90 - 2.80
S-I:	53	35 - 77
Zn-I:	67	34 - 113
Zn-Al:	N/A	N/A
Mn-I:	43	26 - 71
Mn-Al:	N/A	N/A
Cu-I:	64	34 - 111
CEC:	9.7	7.8 - 12.7
HM%:	2.6	1.5 - 4.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 100														
1001	49.0	44.0	16.0	61.0	5.9	1.7	63.0	36.0	n/a	26.0	n/a	40.0	8.1	2.2
1002	108.0	95.0	18.0	65.0	6.4	1.7	43.0	113.0	n/a	58.0	n/a	111.0	12.7	2.9
1003	70.0	60.0	16.0	58.0	5.9	2.2	52.0	58.0	n/a	39.0	n/a	64.0	9.4	2.7
1004	99.0	86.0	17.0	62.0	6.2	2.3	55.0	95.0	n/a	55.0	n/a	81.0	12.7	4.2
1005	60.0	69.0	16.0	55.0	5.8	2.8	58.0	49.0	n/a	30.0	n/a	52.0	11.0	3.7
1006	104.0	132.0	18.0	58.0	6.2	2.4	47.0	91.0	n/a	46.0	n/a	76.0	12.6	4.2
1007	61.0	73.0	20.0	53.0	6.0	2.4	36.0	50.0	n/a	26.0	n/a	44.0	10.3	3.2
Tingle Waters 97														
971	63.0	55.0	19.0	65.0	6.2	1.1	44.0	51.0	n/a	43.0	n/a	49.0	8.1	1.5
972	133.0	78.0	21.0	67.0	6.7	0.9	52.0	112.0	n/a	71.0	n/a	99.0	10.5	1.8
973	72.0	55.0	19.0	65.0	6.3	1.1	51.0	60.0	n/a	49.0	n/a	63.0	8.5	1.6
974	119.0	80.0	19.0	65.0	6.4	1.2	55.0	98.0	n/a	58.0	n/a	86.0	10.5	2.2
975	53.0	44.0	16.0	57.0	5.7	1.9	44.0	36.0	n/a	27.0	n/a	34.0	7.8	2.1
976	122.0	98.0	16.0	60.0	6.1	1.8	61.0	98.0	n/a	46.0	n/a	81.0	9.8	2.5
977	54.0	54.0	18.0	57.0	5.7	2.0	54.0	34.0	n/a	28.0	n/a	35.0	9.0	1.8
Tingle Waters 98														
981	76.0	56.0	18.0	59.0	6.0	1.7	77.0	63.0	n/a	40.0	n/a	60.0	8.7	1.9
982	121.0	76.0	19.0	64.0	6.3	1.4	59.0	80.0	n/a	56.0	n/a	86.0	9.8	2.0
983	61.0	58.0	20.0	57.0	6.0	1.8	72.0	51.0	n/a	35.0	n/a	44.0	8.8	2.1
984	131.0	79.0	19.0	64.0	6.4	1.4	51.0	103.0	n/a	63.0	n/a	86.0	10.4	2.6
985	64.0	55.0	17.0	54.0	5.7	2.2	63.0	42.0	n/a	34.0	n/a	37.0	8.5	2.8
986	135.0	94.0	16.0	58.0	5.8	2.2	58.0	104.0	n/a	57.0	n/a	74.0	10.0	3.0
987	103.0	83.0	19.0	58.0	6.0	1.8	35.0	49.0	n/a	36.0	n/a	49.0	9.5	2.2
Tingle Waters 99														

Crop Production Services

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SAMPLE DATE: 2012-03-15
ISSUED:11:23am EDT Mar20, 2012
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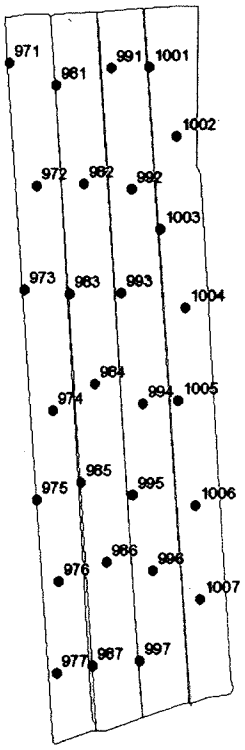
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 58.22

Field(s): Tingle Waters 97, Tingle Waters 98, Tingle Waters 99, Tingle Waters 100

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	83	49 - 135
K-I:	73	44 - 132
Mg%:	17.6	14.0 - 21.0
Ca%:	59.5	52.0 - 67.0
pH:	6.03	5.50 - 6.70
Ac:	1.85	0.90 - 2.80
S-I:	53	35 - 77
Zn-I:	67	34 - 113
Zn-Al:	N/A	N/A
Mn-I:	43	26 - 71
Mn-Al:	N/A	N/A
Cu-I:	64	34 - 111
CEC:	9.7	7.8 - 12.7
HM%:	2.6	1.5 - 4.2

Field	No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
	991	59.0	55.0	16.0	56.0	5.6	2.1	55.0	38.0	n/a	37.0	n/a	41.0	8.4	2.4
	992	82.0	93.0	18.0	63.0	6.2	1.6	61.0	84.0	n/a	52.0	n/a	85.0	10.7	3.0
	993	50.0	49.0	16.0	55.0	5.7	2.0	58.0	35.0	n/a	32.0	n/a	37.0	7.8	2.4
	994	85.0	91.0	18.0	65.0	6.3	1.4	51.0	79.0	n/a	53.0	n/a	92.0	10.6	3.0
	995	69.0	64.0	14.0	52.0	5.5	2.4	44.0	45.0	n/a	38.0	n/a	38.0	8.2	2.4
	996	76.0	91.0	17.0	56.0	6.0	2.2	41.0	69.0	n/a	39.0	n/a	89.0	9.6	3.2
	997	56.0	73.0	18.0	57.0	5.7	2.0	52.0	43.0	n/a	33.0	n/a	45.0	9.2	2.4

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SAMPLE DATE: 2012-03-15
ISSUED:11:23am EDT Mar20, 2012
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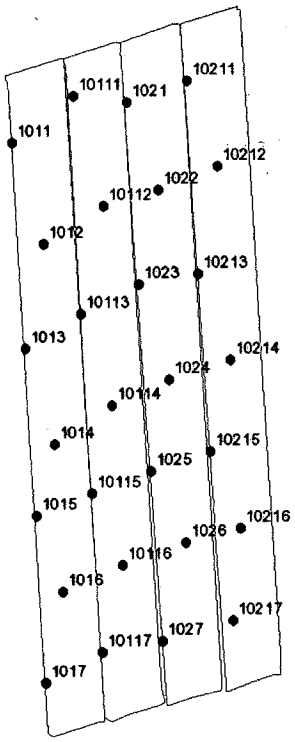
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 42.92

Field(s): Tingle Waters 101, Tingle Waters 102, Tingle Waters 1011, Tingle Waters 1021

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	85	65 - 109
K-I:	101	68 - 158
Mg%:	14.2	10.0 - 20.0
Ca%:	47.2	39.0 - 59.0
pH:	5.48	5.00 - 6.20
Ac:	4.35	2.40 - 5.80
S-I:	57	46 - 73
Zn-I:	87	45 - 132
Zn-Al:	N/A	N/A
Mn-I:	36	27 - 48
Mn-Al:	N/A	N/A
Cu-I:	64	36 - 98
CEC:	12.6	9.0 - 14.4
HM%:	6.5	2.9 - 9.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 101														
1011	84.0	74.0	17.0	55.0	5.7	3.0	46.0	45.0	n/a	27.0	n/a	50.0	12.3	4.0
1012	109.0	118.0	17.0	59.0	6.2	2.7	55.0	82.0	n/a	39.0	n/a	89.0	13.6	4.6
1013	82.0	77.0	15.0	45.0	5.4	4.0	52.0	58.0	n/a	28.0	n/a	47.0	11.1	4.7
1014	89.0	105.0	16.0	48.0	5.6	4.0	53.0	65.0	n/a	30.0	n/a	66.0	12.5	5.5
1015	69.0	84.0	14.0	43.0	5.3	4.6	54.0	53.0	n/a	28.0	n/a	42.0	11.5	6.2
1016	107.0	117.0	16.0	52.0	5.8	3.4	60.0	77.0	n/a	32.0	n/a	79.0	12.7	5.2
1017	83.0	68.0	20.0	50.0	5.6	2.4	58.0	55.0	n/a	28.0	n/a	60.0	9.0	2.9
Tingle Waters 1011														
10111	99.0	114.0	17.0	57.0	6.0	3.2	66.0	79.0	n/a	39.0	n/a	81.0	14.4	5.5
10112	93.0	104.0	15.0	49.0	5.8	3.8	55.0	87.0	n/a	32.0	n/a	75.0	12.2	5.4
10113	82.0	89.0	15.0	50.0	5.7	3.6	55.0	80.0	n/a	35.0	n/a	76.0	11.8	5.4
10114	98.0	134.0	14.0	48.0	5.6	4.0	65.0	87.0	n/a	38.0	n/a	67.0	12.4	6.2
10115	89.0	116.0	13.0	47.0	5.4	4.7	67.0	84.0	n/a	36.0	n/a	73.0	13.1	6.6
10116	105.0	158.0	15.0	51.0	5.6	4.0	49.0	87.0	n/a	40.0	n/a	98.0	13.8	5.7
10117	97.0	89.0	15.0	50.0	5.6	3.6	55.0	66.0	n/a	31.0	n/a	89.0	11.3	3.8
Tingle Waters 102														
1021	65.0	94.0	14.0	42.0	5.2	5.1	73.0	75.0	n/a	32.0	n/a	36.0	12.6	7.0
1022	95.0	112.0	15.0	49.0	5.6	4.3	68.0	119.0	n/a	39.0	n/a	69.0	13.6	6.8
1023	72.0	74.0	13.0	39.0	5.2	5.1	62.0	80.0	n/a	29.0	n/a	41.0	11.5	6.4
1024	85.0	112.0	14.0	52.0	5.6	4.0	57.0	119.0	n/a	44.0	n/a	67.0	13.5	8.5
1025	68.0	88.0	14.0	44.0	5.2	5.0	59.0	78.0	n/a	32.0	n/a	43.0	12.7	8.5
1026	68.0	118.0	13.0	46.0	5.4	4.8	58.0	80.0	n/a	37.0	n/a	74.0	13.3	8.2
1027	81.0	92.0	14.0	46.0	5.3	4.6	56.0	75.0	n/a	37.0	n/a	61.0	12.7	5.7
Tingle Waters 1021														

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SAMPLE DATE: 2012-03-15
ISSUED: 9:24am EDT Mar20, 2012
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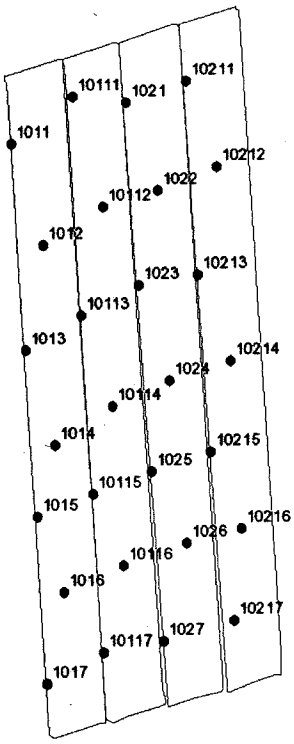
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 42.92

Field(s): Tingle Waters 101, Tingle Waters 102, Tingle Waters 1011, Tingle Waters 1021

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	85	65 - 109
K-I:	101	68 - 158
Mg%:	14.2	10.0 - 20.0
Ca%:	47.2	39.0 - 59.0
pH:	5.48	5.00 - 6.20
Ac:	4.35	2.40 - 5.80
S-I:	57	46 - 73
Zn-I:	87	45 - 132
Zn-Al:	N/A	N/A
Mn-I:	36	27 - 48
Mn-Al:	N/A	N/A
Cu-I:	64	36 - 98
CEC:	12.6	9.0 - 14.4
HM%:	6.5	2.9 - 9.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
10211	71.0	70.0	10.0	40.0	5.1	5.7	53.0	96.0	n/a	41.0	n/a	52.0	12.2	9.2
10212	90.0	121.0	14.0	49.0	5.6	4.5	55.0	129.0	n/a	46.0	n/a	66.0	13.7	8.5
10213	77.0	72.0	10.0	39.0	5.0	5.8	65.0	118.0	n/a	44.0	n/a	51.0	12.2	8.5
10214	88.0	111.0	13.0	46.0	5.5	5.0	52.0	132.0	n/a	46.0	n/a	66.0	13.7	9.2
10215	71.0	83.0	10.0	43.0	5.1	5.6	56.0	112.0	n/a	45.0	n/a	55.0	12.8	9.2
10216	83.0	136.0	12.0	43.0	5.3	5.6	50.0	129.0	n/a	48.0	n/a	75.0	13.8	8.5
10217	80.0	87.0	12.0	39.0	5.0	5.8	51.0	89.0	n/a	38.0	n/a	58.0	12.9	6.8

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SAMPLE DATE: 2012-03-15
ISSUED: 9:24am EDT Mar20, 2012
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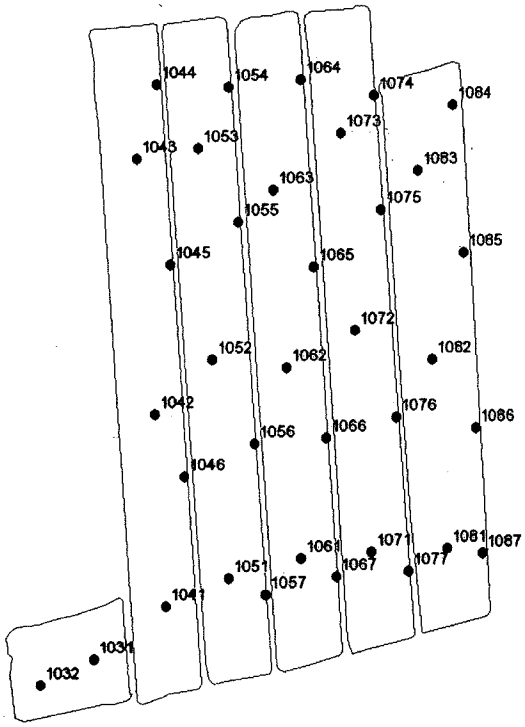
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 31.43

Field(s): Tingle Waters 103, Tingle Waters 104, Tingle Waters 105, Tingle Waters 106, Tingle Waters 107, Tingle Waters 108

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	81	6 - 147
K-I:	71	31 - 105
Mg%:	16.5	11.0 - 20.0
Ca%:	66.4	50.0 - 75.0
pH:	6.35	5.00 - 6.90
Ac:	1.01	0.50 - 2.20
S-I:	45	29 - 94
Zn-I:	87	35 - 207
Zn-Al:	N/A	N/A
Mn-I:	26	16 - 54
Mn-Al:	N/A	N/A
Cu-I:	79	5 - 207
CEC:	8.1	6.0 - 10.1
HM%:	0.9	0.5 - 1.5

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 103														
1031	10.0	31.0	11.0	50.0	5.0	2.2	29.0	38.0	n/a	19.0	n/a	5.0	6.0	1.2
1032	6.0	37.0	11.0	53.0	5.1	2.0	35.0	35.0	n/a	16.0	n/a	5.0	6.0	1.5
Tingle Waters 104														
1041	118.0	83.0	19.0	67.0	6.5	0.9	94.0	198.0	n/a	37.0	n/a	66.0	9.5	0.6
1042	73.0	75.0	20.0	66.0	6.5	0.8	44.0	117.0	n/a	26.0	n/a	79.0	8.0	0.7
1043	90.0	76.0	18.0	65.0	6.5	0.9	37.0	117.0	n/a	28.0	n/a	80.0	7.8	0.7
1044	62.0	59.0	19.0	69.0	6.7	0.7	43.0	79.0	n/a	26.0	n/a	58.0	8.1	0.6
1045	54.0	57.0	17.0	69.0	6.5	0.8	39.0	76.0	n/a	24.0	n/a	77.0	8.1	0.6
1046	46.0	58.0	18.0	70.0	6.6	0.7	39.0	76.0	n/a	25.0	n/a	74.0	8.8	0.5
Tingle Waters 105														
1051	87.0	74.0	17.0	67.0	6.4	1.0	41.0	99.0	n/a	29.0	n/a	42.0	8.3	0.7
1052	96.0	82.0	16.0	67.0	6.4	1.0	37.0	102.0	n/a	30.0	n/a	76.0	8.0	0.8
1053	99.0	78.0	17.0	68.0	6.5	0.8	31.0	107.0	n/a	29.0	n/a	51.0	8.1	0.8
1054	72.0	57.0	16.0	73.0	6.6	0.7	54.0	120.0	n/a	33.0	n/a	95.0	8.9	0.7
1055	50.0	56.0	17.0	67.0	6.3	1.0	43.0	60.0	n/a	19.0	n/a	58.0	7.7	0.7
1056	63.0	70.0	18.0	67.0	6.6	0.8	55.0	76.0	n/a	23.0	n/a	44.0	7.8	0.7
1057	62.0	68.0	18.0	67.0	6.4	0.9	52.0	71.0	n/a	23.0	n/a	35.0	7.8	0.8
Tingle Waters 106														
1061	94.0	86.0	18.0	66.0	6.5	0.9	55.0	92.0	n/a	22.0	n/a	49.0	8.2	0.9
1062	103.0	76.0	18.0	68.0	6.6	0.8	56.0	105.0	n/a	25.0	n/a	89.0	8.0	0.9
1063	106.0	81.0	18.0	69.0	6.7	0.7	53.0	101.0	n/a	27.0	n/a	77.0	8.2	0.9
1064	55.0	62.0	17.0	67.0	6.3	1.0	44.0	55.0	n/a	18.0	n/a	57.0	7.9	0.7
1065	63.0	64.0	17.0	67.0	6.3	1.0	33.0	64.0	n/a	21.0	n/a	88.0	8.1	0.7
1066	65.0	72.0	17.0	68.0	6.4	0.9	47.0	66.0	n/a	22.0	n/a	57.0	8.2	0.7

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SAMPLE DATE: 2012-03-15
ISSUED: 9:27am EDT Mar20, 2012
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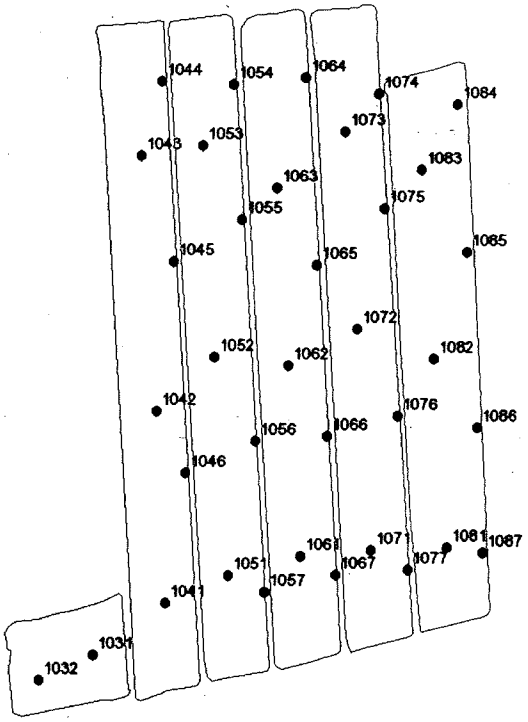
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 31.43

Field(s): Tingle Waters 103, Tingle Waters 104, Tingle Waters 105, Tingle Waters 106, Tingle Waters 107, Tingle Waters 108

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	81	6 - 147
K-I:	71	31 - 105
Mg%:	16.5	11.0 - 20.0
Ca%:	66.4	50.0 - 75.0
pH:	6.35	5.00 - 6.90
Ac:	1.01	0.50 - 2.20
S-I:	45	29 - 94
Zn-I:	87	35 - 207
Zn-Al:	N/A	N/A
Mn-I:	26	16 - 54
Mn-Al:	N/A	N/A
Cu-I:	79	5 - 207
CEC:	8.1	6.0 - 10.1
HM%:	0.9	0.5 - 1.5

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1067	67.0	57.0	17.0	67.0	6.4	1.0	48.0	63.0	n/a	21.0	n/a	52.0	7.6	0.9
Tingle Waters 107														
1071	112.0	85.0	15.0	67.0	6.4	1.0	53.0	106.0	n/a	29.0	n/a	99.0	7.9	1.0
1072	140.0	87.0	15.0	68.0	6.5	1.0	55.0	110.0	n/a	31.0	n/a	157.0	8.5	1.2
1073	122.0	74.0	16.0	68.0	6.5	0.9	48.0	104.0	n/a	29.0	n/a	207.0	8.1	1.1
1074	128.0	105.0	15.0	75.0	6.9	0.5	70.0	207.0	n/a	54.0	n/a	188.0	10.1	1.0
1075	45.0	66.0	17.0	65.0	6.2	1.2	48.0	60.0	n/a	19.0	n/a	85.0	8.1	1.0
1076	48.0	71.0	18.0	67.0	6.4	1.0	46.0	56.0	n/a	19.0	n/a	72.0	8.3	1.0
1077	39.0	57.0	16.0	70.0	6.4	0.9	36.0	57.0	n/a	20.0	n/a	76.0	8.2	0.9
Tingle Waters 108														
1081	102.0	91.0	16.0	66.0	6.3	1.1	35.0	102.0	n/a	31.0	n/a	71.0	8.3	1.1
1082	135.0	85.0	16.0	64.0	6.2	1.2	39.0	84.0	n/a	33.0	n/a	120.0	8.1	1.2
1083	147.0	93.0	16.0	66.0	6.4	1.1	46.0	91.0	n/a	34.0	n/a	136.0	8.9	1.3
1084	98.0	66.0	14.0	69.0	6.3	1.0	41.0	59.0	n/a	29.0	n/a	97.0	7.6	1.1
1085	90.0	72.0	14.0	61.0	6.0	1.5	34.0	46.0	n/a	23.0	n/a	83.0	7.5	0.9
1086	98.0	81.0	16.0	64.0	6.2	1.2	39.0	68.0	n/a	25.0	n/a	89.0	7.9	0.8
1087	81.0	79.0	16.0	63.0	6.2	1.1	37.0	69.0	n/a	26.0	n/a	62.0	7.4	0.7

Crop Production Services
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SAMPLE DATE: 2012-03-15
ISSUED: 9:27am EDT Mar20, 2012
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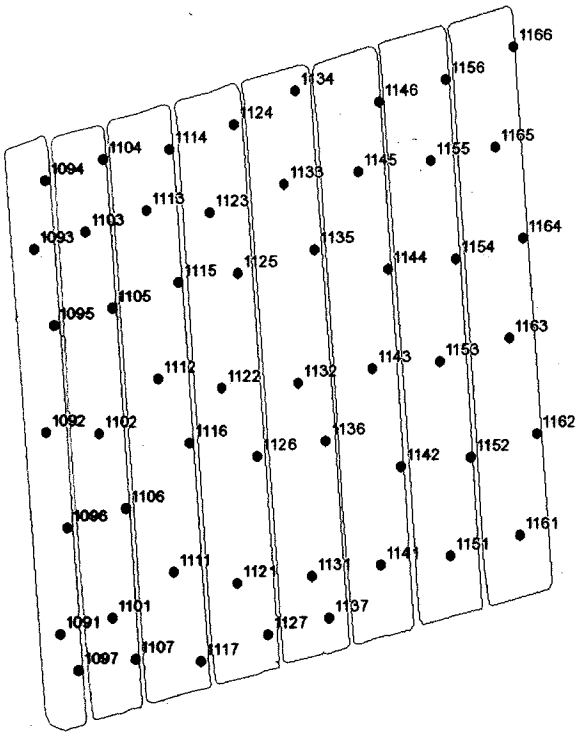
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 57.90

Field(s): Tingle Waters 109, Tingle Waters 110, Tingle Waters 111, Tingle Waters 112, Tingle Waters 113, Tingle Waters 114, Tingle Waters 115, Tingle Waters 116

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	126	46 - 212
K-I:	93	51 - 145
Mg%:	19.3	16.0 - 24.0
Ca%:	57.9	48.0 - 73.0
pH:	6.01	5.40 - 6.80
Ac:	1.73	0.60 - 3.30
S-I:	48	32 - 67
Zn-I:	75	34 - 264
Zn-Al:	N/A	N/A
Mn-I:	34	18 - 67
Mn-Al:	N/A	N/A
Cu-I:	94	50 - 182
CEC:	9.5	7.3 - 12.6
HM%:	1.7	0.7 - 3.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 109														
1091	85.0	75.0	17.0	69.0	6.6	0.8	36.0	97.0	n/a	40.0	n/a	103.0	8.6	0.8
1092	86.0	89.0	18.0	69.0	6.7	0.8	32.0	88.0	n/a	46.0	n/a	106.0	9.1	1.0
1093	93.0	80.0	18.0	68.0	6.5	1.0	38.0	90.0	n/a	48.0	n/a	102.0	9.1	1.3
1094	130.0	99.0	17.0	73.0	6.8	0.6	49.0	264.0	n/a	67.0	n/a	182.0	10.6	0.9
1095	64.0	60.0	18.0	61.0	6.1	1.4	37.0	62.0	n/a	24.0	n/a	81.0	8.3	0.9
1096	65.0	68.0	18.0	65.0	6.3	1.1	37.0	51.0	n/a	25.0	n/a	81.0	8.2	0.8
1097	46.0	51.0	17.0	65.0	6.2	1.1	34.0	34.0	n/a	18.0	n/a	50.0	7.6	0.7
Tingle Waters 110														
1101	143.0	81.0	17.0	60.0	6.2	1.3	42.0	83.0	n/a	37.0	n/a	101.0	7.6	0.9
1102	174.0	89.0	16.0	62.0	6.2	1.4	42.0	85.0	n/a	41.0	n/a	118.0	8.3	1.2
1103	185.0	100.0	17.0	61.0	6.1	1.6	41.0	75.0	n/a	38.0	n/a	129.0	9.4	1.5
1104	113.0	84.0	18.0	60.0	6.1	1.5	36.0	69.0	n/a	31.0	n/a	103.0	8.8	1.2
1105	87.0	77.0	20.0	60.0	6.1	1.5	51.0	47.0	n/a	26.0	n/a	88.0	9.0	1.0
1106	87.0	64.0	18.0	57.0	5.9	1.7	50.0	50.0	n/a	26.0	n/a	82.0	8.1	1.0
1107	68.0	57.0	17.0	57.0	5.8	1.6	52.0	38.0	n/a	20.0	n/a	65.0	7.3	0.9
Tingle Waters 111														
1111	133.0	99.0	18.0	61.0	6.3	1.3	52.0	74.0	n/a	32.0	n/a	90.0	8.9	1.1
1112	151.0	96.0	19.0	63.0	6.4	1.2	56.0	78.0	n/a	39.0	n/a	100.0	9.3	1.2
1113	166.0	113.0	19.0	59.0	6.2	1.6	59.0	67.0	n/a	32.0	n/a	95.0	9.9	1.7
1114	85.0	76.0	21.0	51.0	5.7	2.1	60.0	39.0	n/a	21.0	n/a	62.0	8.5	1.5
1115	111.0	88.0	20.0	54.0	5.9	1.9	49.0	47.0	n/a	26.0	n/a	73.0	8.7	1.7
1116	108.0	74.0	20.0	57.0	6.1	1.6	41.0	53.0	n/a	33.0	n/a	84.0	8.8	1.1
1117	83.0	85.0	20.0	57.0	5.9	1.8	51.0	56.0	n/a	29.0	n/a	89.0	9.3	1.5
Tingle Waters 112														

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SAMPLE DATE: 2012-03-15
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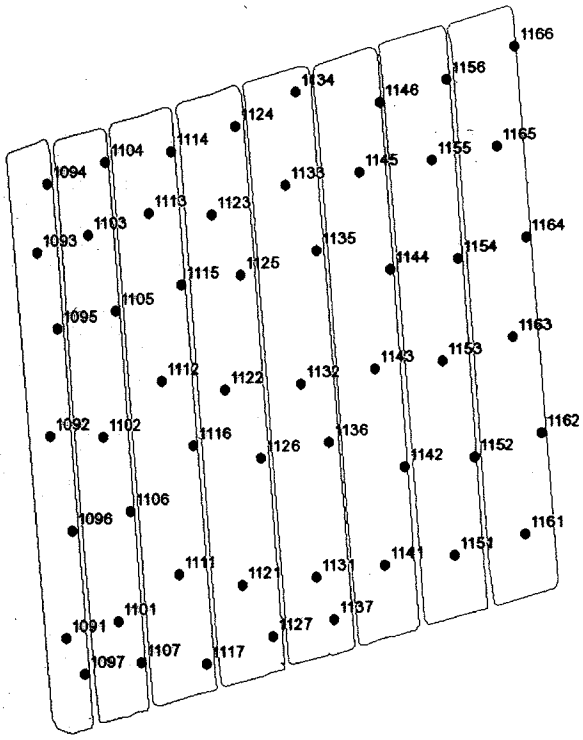
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 57.90

Field(s): Tingle Waters 109, Tingle Waters 110, Tingle Waters 111, Tingle Waters 112, Tingle Waters 113, Tingle Waters 114, Tingle Waters 115, Tingle Waters 116

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	126	46 - 212
K-I:	93	51 - 145
Mg%:	19.3	16.0 - 24.0
Ca%:	57.9	48.0 - 73.0
pH:	6.01	5.40 - 6.80
Ac:	1.73	0.60 - 3.30
S-I:	48	32 - 67
Zn-I:	75	34 - 264
Zn-Al:	N/A	N/A
Mn-I:	34	18 - 67
Mn-Al:	N/A	N/A
Cu-I:	94	50 - 182
CEC:	9.5	7.3 - 12.6
HM%:	1.7	0.7 - 3.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1121	164.0	111.0	19.0	60.0	6.2	1.4	57.0	84.0	n/a	44.0	n/a	103.0	9.3	1.5
1122	180.0	117.0	19.0	59.0	6.1	1.7	62.0	92.0	n/a	42.0	n/a	107.0	10.3	2.0
1123	142.0	106.0	20.0	57.0	6.1	1.8	61.0	80.0	n/a	38.0	n/a	91.0	9.9	2.7
1124	111.0	95.0	21.0	54.0	5.8	2.1	58.0	60.0	n/a	30.0	n/a	80.0	10.3	2.2
1125	122.0	93.0	24.0	57.0	6.1	1.6	63.0	72.0	n/a	35.0	n/a	109.0	10.5	2.1
1126	106.0	78.0	19.0	55.0	5.8	1.8	60.0	58.0	n/a	30.0	n/a	87.0	8.4	1.6
1127	107.0	85.0	20.0	57.0	6.0	1.5	49.0	54.0	n/a	30.0	n/a	92.0	8.1	1.6
Tingle Waters 113														
1131	162.0	91.0	18.0	64.0	6.3	1.1	44.0	107.0	n/a	46.0	n/a	111.0	8.2	1.5
1132	192.0	99.0	18.0	61.0	6.2	1.5	43.0	102.0	n/a	43.0	n/a	113.0	9.2	1.9
1133	186.0	116.0	20.0	58.0	6.1	1.7	50.0	95.0	n/a	38.0	n/a	110.0	10.5	2.3
1134	113.0	90.0	20.0	50.0	5.6	2.7	47.0	58.0	n/a	26.0	n/a	90.0	10.6	2.8
1135	107.0	84.0	21.0	53.0	5.8	2.0	44.0	48.0	n/a	30.0	n/a	88.0	9.3	1.9
1136	150.0	96.0	19.0	59.0	6.1	1.4	42.0	84.0	n/a	40.0	n/a	126.0	8.7	1.2
1137	117.0	88.0	18.0	57.0	6.0	1.4	40.0	76.0	n/a	37.0	n/a	100.0	7.3	0.9
Tingle Waters 114														
1141	154.0	96.0	16.0	62.0	6.1	1.3	39.0	108.0	n/a	43.0	n/a	121.0	7.9	1.0
1142	141.0	106.0	18.0	61.0	6.1	1.3	41.0	90.0	n/a	44.0	n/a	118.0	8.5	1.2
1143	172.0	106.0	18.0	60.0	6.1	1.6	41.0	104.0	n/a	44.0	n/a	120.0	9.3	1.6
1144	90.0	82.0	21.0	51.0	5.5	2.2	42.0	48.0	n/a	27.0	n/a	70.0	9.4	1.9
1145	139.0	109.0	20.0	51.0	5.6	2.3	49.0	68.0	n/a	31.0	n/a	90.0	9.7	2.5
1146	100.0	81.0	22.0	52.0	5.4	2.4	49.0	53.0	n/a	27.0	n/a	75.0	10.2	2.7
Tingle Waters 115														
1151	117.0	113.0	20.0	58.0	6.1	1.7	53.0	79.0	n/a	35.0	n/a	100.0	10.3	1.5
1152	102.0	97.0	21.0	55.0	5.9	1.8	53.0	55.0	n/a	30.0	n/a	100.0	9.7	1.5

Crop Production Services

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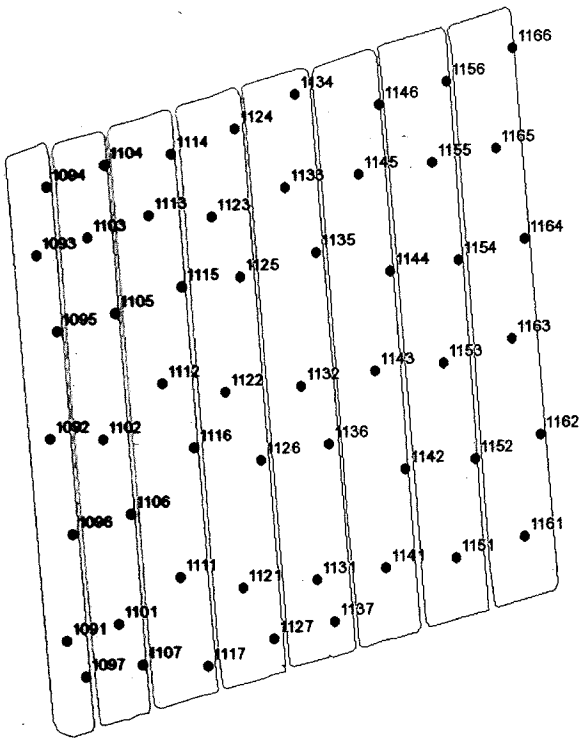
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 57.90

Field(s): Tingle Waters 109, Tingle Waters 110, Tingle Waters 111, Tingle Waters 112, Tingle Waters 113, Tingle Waters 114, Tingle Waters 115, Tingle Waters 116

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	126	46 - 212
K-I:	93	51 - 145
Mg%:	19.3	16.0 - 24.0
Ca%:	57.9	48.0 - 73.0
pH:	6.01	5.40 - 6.80
Ac:	1.73	0.60 - 3.30
S-I:	48	32 - 67
Zn-I:	75	34 - 264
Zn-Al:	N/A	N/A
Mn-I:	34	18 - 67
Mn-Al:	N/A	N/A
Cu-I:	94	50 - 182
CEC:	9.5	7.3 - 12.6
HM%:	1.7	0.7 - 3.9

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1153	137.0	123.0	20.0	59.0	6.1	1.7	49.0	89.0	n/a	42.0	n/a	113.0	10.8	1.7
1154	112.0	94.0	21.0	51.0	5.6	2.6	47.0	56.0	n/a	29.0	n/a	78.0	10.8	2.6
1155	165.0	145.0	21.0	56.0	5.9	2.2	55.0	94.0	n/a	35.0	n/a	94.0	12.4	2.9
1156	126.0	78.0	20.0	48.0	5.4	2.9	47.0	65.0	n/a	30.0	n/a	68.0	10.5	3.1
Tingle Waters 116														
1161	156.0	121.0	20.0	55.0	5.9	2.0	41.0	76.0	n/a	39.0	n/a	91.0	10.2	1.9
1162	109.0	103.0	23.0	53.0	5.8	2.1	49.0	49.0	n/a	30.0	n/a	66.0	10.8	2.0
1163	212.0	132.0	20.0	58.0	6.1	1.8	58.0	93.0	n/a	45.0	n/a	85.0	11.4	2.1
1164	83.0	75.0	21.0	48.0	5.5	2.9	58.0	43.0	n/a	24.0	n/a	54.0	10.6	3.3
1165	182.0	123.0	20.0	51.0	5.6	3.0	67.0	86.0	n/a	33.0	n/a	63.0	12.6	3.9
1166	144.0	109.0	20.0	48.0	5.4	3.3	63.0	81.0	n/a	30.0	n/a	63.0	11.8	3.8

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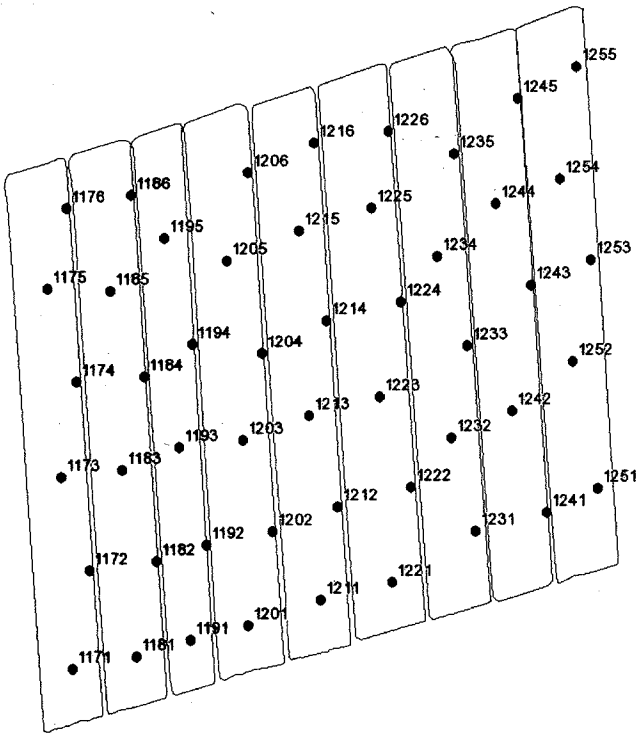
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 69.84

Field(s): Tingle Waters 117, Tingle Waters 118, Tingle Waters 119, Tingle Waters 120, Tingle Waters 121, Tingle Waters 122, Tingle Waters 123, Tingle Waters 125, Tingle Waters 124

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	98	46 - 214
K-I:	116	65 - 171
Mg%:	17.4	12.0 - 24.0
Ca%:	51.1	44.0 - 60.0
pH:	5.59	5.10 - 6.00
Ac:	3.25	2.00 - 4.50
S-I:	55	42 - 71
Zn-I:	101	43 - 278
Zn-Al:	N/A	N/A
Mn-I:	32	24 - 44
Mn-Al:	N/A	N/A
Cu-I:	76	42 - 160
CEC:	12.1	9.8 - 14.6
HM%:	5.6	2.1 - 9.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
Tingle Waters 117														
1171	188.0	142.0	19.0	57.0	5.9	2.0	60.0	81.0	n/a	39.0	n/a	90.0	11.3	2.1
1172	108.0	102.0	22.0	51.0	5.6	2.8	56.0	48.0	n/a	28.0	n/a	70.0	12.2	2.6
1173	180.0	141.0	20.0	53.0	5.9	2.8	56.0	69.0	n/a	31.0	n/a	77.0	12.9	3.7
1174	83.0	87.0	18.0	47.0	5.4	3.5	53.0	56.0	n/a	28.0	n/a	51.0	11.0	4.4
1175	214.0	156.0	19.0	53.0	5.7	3.2	56.0	130.0	n/a	38.0	n/a	79.0	14.1	5.4
1176	94.0	92.0	19.0	46.0	5.4	3.7	64.0	70.0	n/a	26.0	n/a	51.0	11.9	5.4
Tingle Waters 118														
1181	92.0	118.0	20.0	52.0	5.8	2.4	63.0	56.0	n/a	29.0	n/a	64.0	10.7	3.3
1182	68.0	96.0	20.0	47.0	5.5	3.1	59.0	43.0	n/a	24.0	n/a	62.0	11.2	4.2
1183	103.0	152.0	17.0	48.0	5.5	3.2	62.0	71.0	n/a	32.0	n/a	61.0	11.7	4.8
1184	76.0	112.0	20.0	49.0	5.5	3.0	59.0	60.0	n/a	28.0	n/a	52.0	11.4	5.4
1185	105.0	154.0	19.0	50.0	5.5	3.1	60.0	96.0	n/a	31.0	n/a	61.0	12.3	6.0
1186	59.0	79.0	18.0	45.0	5.2	3.5	62.0	62.0	n/a	24.0	n/a	42.0	10.6	6.8
Tingle Waters 119														
1191	125.0	150.0	21.0	55.0	6.0	2.2	45.0	63.0	n/a	29.0	n/a	99.0	12.1	3.3
1192	80.0	84.0	24.0	53.0	5.9	2.2	45.0	58.0	n/a	27.0	n/a	77.0	11.0	3.0
1193	120.0	171.0	20.0	52.0	5.8	2.7	47.0	76.0	n/a	35.0	n/a	104.0	12.9	3.8
1194	64.0	81.0	20.0	45.0	5.3	3.8	52.0	58.0	n/a	29.0	n/a	62.0	11.9	5.4
1195	130.0	171.0	20.0	50.0	5.6	3.4	49.0	158.0	n/a	42.0	n/a	111.0	14.4	6.4
Tingle Waters 120														
1201	146.0	148.0	21.0	56.0	6.0	2.0	46.0	107.0	n/a	32.0	n/a	160.0	11.6	2.5
1202	91.0	108.0	20.0	48.0	5.4	3.1	50.0	59.0	n/a	28.0	n/a	79.0	11.2	3.1
1203	121.0	150.0	18.0	47.0	5.5	3.4	48.0	99.0	n/a	36.0	n/a	137.0	12.0	4.6
1204	102.0	120.0	21.0	48.0	5.5	3.2	52.0	89.0	n/a	30.0	n/a	114.0	12.3	5.1

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SAMPLE DATE: 2012-03-15
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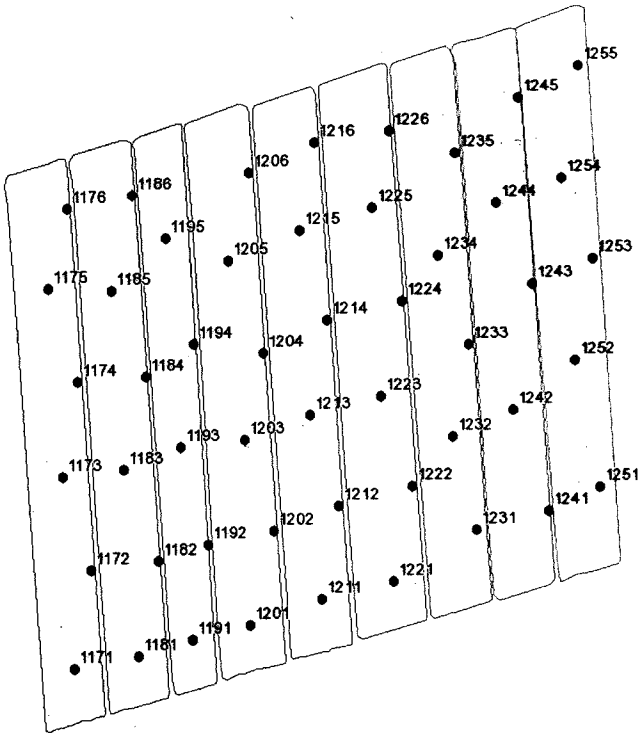
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 69.84

Field(s): Tingle Waters 117, Tingle Waters 118, Tingle Waters 119, Tingle Waters 120, Tingle Waters 121, Tingle Waters 122, Tingle Waters 123, Tingle Waters 125, Tingle Waters 124

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	98	46 - 214
K-I:	116	65 - 171
Mg%:	17.4	12.0 - 24.0
Ca%:	51.1	44.0 - 60.0
pH:	5.59	5.10 - 6.00
Ac:	3.25	2.00 - 4.50
S-I:	55	42 - 71
Zn-I:	101	43 - 278
Zn-Al:	N/A	N/A
Mn-I:	32	24 - 44
Mn-Al:	N/A	N/A
Cu-I:	76	42 - 160
CEC:	12.1	9.8 - 14.6
HM%:	5.6	2.1 - 9.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1205	105.0	167.0	21.0	49.0	5.5	3.6	47.0	135.0	n/a	33.0	n/a	112.0	14.6	6.6
1206	72.0	108.0	19.0	44.0	5.1	4.5	71.0	116.0	n/a	32.0	n/a	77.0	13.5	7.7
Tingle Waters 121														
1211	123.0	151.0	22.0	53.0	6.0	2.3	63.0	74.0	n/a	33.0	n/a	90.0	12.1	2.8
1212	112.0	144.0	20.0	52.0	5.8	2.5	55.0	76.0	n/a	33.0	n/a	92.0	11.7	3.7
1213	136.0	146.0	19.0	52.0	5.8	2.8	57.0	105.0	n/a	41.0	n/a	102.0	12.0	4.2
1214	122.0	118.0	18.0	48.0	5.4	3.8	50.0	120.0	n/a	38.0	n/a	83.0	12.9	6.0
1215	94.0	132.0	17.0	47.0	5.4	4.2	52.0	155.0	n/a	39.0	n/a	78.0	13.7	8.2
1216	61.0	102.0	18.0	44.0	5.2	4.2	71.0	116.0	n/a	33.0	n/a	50.0	12.5	8.5
Tingle Waters 122														
1221	99.0	144.0	20.0	50.0	5.7	2.7	57.0	72.0	n/a	29.0	n/a	71.0	11.5	3.9
1222	74.0	82.0	16.0	52.0	5.4	2.8	48.0	55.0	n/a	27.0	n/a	58.0	9.8	3.9
1223	97.0	108.0	16.0	49.0	5.6	3.0	58.0	95.0	n/a	36.0	n/a	77.0	10.3	4.8
1224	66.0	90.0	17.0	52.0	5.5	3.2	66.0	94.0	n/a	29.0	n/a	58.0	11.5	6.8
1225	87.0	113.0	16.0	46.0	5.4	4.1	66.0	169.0	n/a	34.0	n/a	65.0	12.4	8.0
1226	68.0	91.0	16.0	51.0	5.4	3.9	59.0	127.0	n/a	28.0	n/a	49.0	12.8	8.0
Tingle Waters 123														
1231	91.0	103.0	13.0	60.0	5.7	2.6	47.0	64.0	n/a	30.0	n/a	64.0	11.5	4.2
1232	146.0	138.0	14.0	59.0	6.0	2.6	48.0	94.0	n/a	42.0	n/a	98.0	12.0	4.6
1233	55.0	76.0	12.0	56.0	5.5	3.5	63.0	81.0	n/a	29.0	n/a	56.0	11.8	6.6
1234	102.0	132.0	14.0	58.0	5.8	3.2	66.0	278.0	n/a	34.0	n/a	73.0	13.3	8.5
1235	46.0	70.0	13.0	54.0	5.4	3.8	52.0	98.0	n/a	32.0	n/a	45.0	12.3	8.5
Tingle Waters 124														
1241	51.0	78.0	13.0	53.0	5.6	3.3	49.0	50.0	n/a	26.0	n/a	48.0	10.7	4.7
1242	107.0	102.0	15.0	55.0	5.8	2.9	54.0	114.0	n/a	35.0	n/a	87.0	11.3	5.5

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SAMPLE DATE: 2012-03-15
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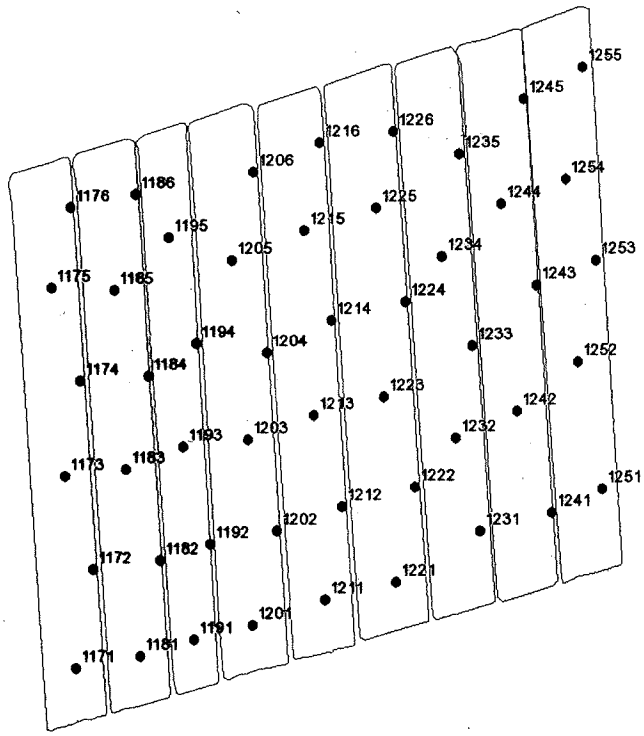
Field Sampler

NCDA Index Values

Grower: Derrick Potter
Farm: Tingle Waters
Acres: 69.84

Field(s): Tingle Waters 117, Tingle Waters 118, Tingle Waters 119, Tingle Waters 120, Tingle Waters 121, Tingle Waters 122, Tingle Waters 123, Tingle Waters 125, Tingle Waters 124

CPS - Trenton, NC
Trenton, NC
PHONE: 252-671-2646



Element	Average	Range
P-I:	98	46 - 214
K-I:	116	65 - 171
Mg%:	17.4	12.0 - 24.0
Ca%:	51.1	44.0 - 60.0
pH:	5.59	5.10 - 6.00
Ac:	3.25	2.00 - 4.50
S-I:	55	42 - 71
Zn-I:	101	43 - 278
Zn-Al:	N/A	N/A
Mn-I:	32	24 - 44
Mn-Al:	N/A	N/A
Cu-I:	76	42 - 160
CEC:	12.1	9.8 - 14.6
HM%:	5.6	2.1 - 9.2

Field No.	P-I	K-I	Mg (%)	Ca (%)	pH	Ac	S-I	Zn-I	Zn-Al	Mn-I	Mn-Al	Cu-I	CEC	HM (%)
1243	55.0	85.0	15.0	53.0	5.6	3.7	65.0	103.0	n/a	28.0	n/a	57.0	13.0	7.7
1244	91.0	122.0	14.0	53.0	5.7	3.7	52.0	194.0	n/a	35.0	n/a	78.0	13.0	8.5
1245	51.0	65.0	14.0	49.0	5.5	4.1	45.0	115.0	n/a	28.0	n/a	49.0	12.1	8.9
Tingle Waters 125														
1251	95.0	96.0	12.0	56.0	5.8	3.0	47.0	74.0	n/a	29.0	n/a	68.0	10.6	5.5
1252	108.0	120.0	12.0	58.0	5.8	3.3	61.0	129.0	n/a	33.0	n/a	90.0	13.0	7.2
1253	69.0	109.0	13.0	51.0	5.4	4.2	63.0	166.0	n/a	35.0	n/a	68.0	13.0	8.9
1254	90.0	108.0	12.0	50.0	5.4	4.4	43.0	180.0	n/a	44.0	n/a	77.0	12.8	9.2
1255	78.0	90.0	12.0	47.0	5.3	4.4	42.0	192.0	n/a	39.0	n/a	70.0	11.9	8.9

Crop Production Services

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Craven Wood Energy	April 2013				
Ticket #	Date	Fly Ash Tons	Bottom Ash Tons		Driver
213726	4/1/2013	20.17			John
213749	4/2/2013	20.71			John
213767	4/2/2013		15.36		Mike
4213	4/2/2013		22.42		Mike
213805	4/3/2013	18.13			John
112822	4/3/2013	16.77			John
112867	4/3/2013	13.71			John
213850	4/4/2013	14.75			John
112933	4/5/2013	17.24			John
213916	4/5/2013	11.65			John
	4/5/2013		13.93		Dave
	4/5/2013		15.65		Mike
	4/5/2013		16.89		Dave
112974	4/6/2013	16.36			Steve
112973	4/6/2013	13.45			Steve
	4/6/2013		19.04		Steve
112984	4/7/2013	15.93			Steve
112985	4/7/2013	12.27			Steve
113028	4/8/2013		21.33		Sheldon
213988	4/8/2013		15.7		Sheldon
113021	4/8/2013		22.35		Sheldon
113009	4/8/2013	18.38			Sheldon
213975	4/8/2013	17.54			Sheldon
214046	4/9/2013	15.77			Sheldon
214050	4/9/2013	16.83			Sheldon
214029	4/9/2013		17.9		Sheldon
214036	4/9/2013		16.96		Sheldon
113065	4/9/2013		15.68		Sheldon
214042	4/9/2013		15.74		Sheldon
113134	4/10/2013	17.44			Sheldon
214099	4/10/2013	17.27			Sheldon
113127	4/10/2013		16.29		Sheldon
214082	4/10/2013		18.14		Sheldon

214074	4/10/2013		13.78		Sheldon
113114	4/10/2013		15.9		Sheldon
214164	4/11/2013	11.6			Mike
113223	4/12/2013	14.53			Dale
214182	4/12/2013	19.43			Dale
113214	4/12/2013	18.23			David
113222	4/12/2013	14.12			David
214224	4/13/2013	13.57			David
214226	4/13/2013	17.29			David
214228	4/13/2013	13.95			David
113269	4/13/2013	12.41			David
214239	4/14/2013	16.33			David
214240	4/14/2013	11.11			David
214241	4/14/2013	14.6			David
214242	4/14/2013	17.52			David
214250	4/15/2013	13.05			David
113337	4/15/2013		15.63		Mike
113330	4/15/2013		19.86		Mike
113324	4/15/2013		18.15		Mike
113316	4/15/2013		18.35		Mike
113322	4/15/2013		20.47		David
214287	4/15/2013		21.46		David
113338	4/15/2013		20.54		David
214278	4/15/2013		16.35		David
214276	4/15/2013		15.56		John
214281	4/15/2013	502.11	17.24		John
113326	4/15/2013		18.16		John
214291	4/15/2013	502.11	18.94		John
113785	4/29/2013		18.98		David
214728	4/29/2013		15.08		David
113788	4/29/2013		15.7		David
113789	4/29/2013		18.09		David
113790	4/29/2013		17.6		david
113791	4/29/2013		18.98		David
113808	4/30/2013	10.79	476.67		Emmons

113804	4/30/2013	14.78			Emmons
113799	4/30/2013	10.49			Emmons
113795	4/30/2013	9.97			Emmons
214788	4/30/2013		19.35		Emmons
113818	4/30/2013		18.3		Emmons
214795	4/30/2013	10.44			Emmons
TOTALS		558.58	655.85		
TOTAL					

Craven Wood Energy	May 2013				
Ticket #	DATE	Fly Ash Tons	Bottom Ash Tons		Driver
113875	5/1/2013		15.31		Mike
214808	5/1/2013	16.76			Mike
113841	5/1/2013	12.9			Mike
214820	5/1/2013	19.72			Mike
113894	5/2/2013	16.19			Mike
113891	5/2/2013	17.87			Mike
214852	5/2/2013	17.42			Mike
113911	5/2/2013	16.39			Mike
214867	5/2/2013		14.99		Mike
214870	5/2/2013		16.87		Mike
113922	5/3/2013		16.89		Mike
113923	5/3/2013		17.58		Mike
214892	5/3/2013	20.71			Mike
214889	5/3/2013	18.89			Mike
113924	5/3/2013	17.22			Mike
214908	5/4/2013	17.17			Steve
113926	5/4/2013	17.48			Steve
113925	5/4/2013	18.41			Steve
113927	5/5/2013	18.1			Steve
113928	5/5/2013	16.81			Steve
113929	5/5/2013		29.58		Steve
214928	5/6/2013	15.81			Mike
214921	5/6/2013	14.03			Mike
214910	5/6/2013	14.54			Mike
214935	5/6/2013	18.52			Mike
214941	5/6/2013	16.23			Mike
215006	5/7/2013		18.35		Mike
114000	5/7/2013		20.3		Mike
114005	5/7/2013		18.02		Mike
114013	5/7/2013		19.28		Mike
113982	5/7/2013	17.89			Mike
214984	5/7/2013	19.44			Mike

113992	5/7/2013	17.83			Mike
215016	5/7/2013	16.38			Mike
114077	5/8/2013	21.79			Mike
114043	5/8/2013	16.9			Mike
215048	5/8/2013	16.14			Mike
215061	5/8/2013		18.23		Mike
215068	5/8/2013		18.1		Mike
114070	5/8/2013		17.39		Mike
215146	5/9/2013	9.76			Mike
114190	5/10/2013	14.2			Mike
114169	5/10/2013	12.14			Mike
215190	5/10/2013	12.36			Mike
215181	5/10/2013	11.3			Dale
215209	5/10/2013		18.16		Mike
114197	5/10/2013		15.76		Mike
114229	5/11/2013	13.83			Mike
215242	5/11/2013	15.12			Mike
215238	5/11/2013	15.16			Mike
215269	5/12/2013		19.62		Mike
215268	5/12/2013		19.46		Mike
215267	5/12/2013		19.29		Mike
215270	5/12/2013	23.85			Mike
215266	5/12/2013	15.78			Mike
215265	5/12/2013	13.26			Mike
114273	5/13/2013		20.12		Mike
215283	5/13/2013	14.03			Mike
114254	5/13/2013	15.65			Mike
114335	5/14/2013		20.54		Mike
114330	5/14/2013		18.68		Mike
215351	5/14/2013	21.1			Mike
114318	5/14/2013	16.4			Mike
114394	5/15/2013		13.22		Mike
215395	5/15/2013	15.1			Mike
215407	5/15/2013	15.7			Mike
215435	5/16/2013	21.66			Mike

114429	5/16/2013		16.78		Mike
215449	5/16/2013		14.95		Mike
114419	5/16/2013		13.1		Mike
114486	5/17/2013		15.26		Mike
114482	5/17/2013		15.48		Mike
114477	5/17/2013	15.43			Mike
215490	5/17/2013	17.87			Mike
114524	5/18/2013	13.51			Steve
114522	5/18/2013	13.59			Steve
114540	5/19/2013	20.36			Steve
114541	5/19/2013		14.96		Steve
114542	5/19/2013		16.86		Steve
215557	5/20/2013	17.42			Mike
215583	5/20/2013	22.23			Mike
114559	5/20/2013		16.92		Mike
215565	5/20/2013		17.76		Mike
114551	5/20/2013		16.2		Mike
215604	5/21/2013	16.04			Mike
215659	5/22/2013	19.78			Mike
215666	5/22/2013	18.82			Mike
215652	5/22/2013		15.57		Mike
215646	5/22/2013		18.48		Mike
215637	5/22/2013		17.98		Mike
114633	5/22/2013		18.86		Mike
114624	5/22/2013		19.21		Mike
114672	5/23/2013		15.8		Mike
114677	5/23/2013		15.87		Mike
114689	5/23/2013	16.41			Mike
114720	5/24/2013		22.56		Mike
215733	5/24/2013		17.34		Mike
114732	5/24/2013	18.28			Mike
114738	5/24/2013	19.14			Mike
215776	5/25/2013	15.13			Mike
215774	5/25/2013		20.73		Mike
114792	5/26/2013	18.33			Mike

114793	5/26/2013	17.95			Mike
114789	5/26/2013		22.52		Mike
114790	5/26/2013		17.63		Mike
114791	5/26/2013		18.65		Mike
114795	5/27/2013		18.36		Mike
114796	5/27/2013		17.36		Mike
114807	5/27/2013		16.96		Mike
114797	5/27/2013	18.65			Mike
215793	5/28/2013	16.67			Mike
215804	5/28/2013		20.68		Mike
215785	5/28/2013		18.27		Mike
215875	5/29/2013		17.5		Mike
114870	5/29/2013	17.73			Mike
215835	5/29/2013		16.56		Mike
114925	5/30/2013		13.94		Mike
114914	5/30/2013		15.82		Mike
114919	5/30/2013	17.81			Mike
215908	5/30/2013	16.8			Mike
215955	5/31/2013		15.32		Mike
215946	5/31/2013		14.12		Mike
114958	5/31/2013	12.31			Mike
TOTAL		1124.2	990.1		

Craven Wood Energy JUNE 2013					
Ticket #	Date	Fly Ash Tons	Bottom Ash Tons		Driver
114985	6/1/2013	18.43			Steve
114986	6/1/2013	15.36			Steve
114984	6/1/2013		23.98		Steve
114991	6/2/2013	16.03			Steve
114990	6/2/2013	16.54			Steve
114989	6/2/2013		15.28		Steve
114988	6/2/2013		16.44		Steve
114987	6/2/2013		13.17		Steve
215987	6/3/2013	18.74			Mike
115005	6/3/2013		15.14		Mike
115001	6/3/2013		15.77		Mike
115055	6/4/2013		19.56		Mike
216018	6/4/2013		19.06		Mike
216035	6/4/2013	16.08			Mike
115075	6/4/2013	13.49			Mike
115134	6/5/2013	19.33			Mike
115138	6/5/2013	20.19			Mike
216066	6/5/2013		18.83		Mike
216067	6/5/2013		19		Mike
216104	6/6/2013	20.37			Mike
115166	6/6/2013		16.96		Mike
216099	6/6/2013		21.13		Mike
115210	6/6/2013		16.62		Mike
115209	6/7/2013		18.14		Mike
216158	6/7/2013		16.26		Mike
115196	6/7/2013	16.02			Mike
115191	6/7/2013	16.95			Mike
115223	6/8/2013	18.88			Mike
216163	6/8/2013	16.62			Mike
115217	6/8/2013	17.29			Mike
115274	6/10/2013	20.3			Mike
115245	6/10/2013	22.54			Mike
115251	6/10/2013	19.63			Mike

115256	6/10/2013	16.98			Mike
115263	6/10/2013		20.9		Mike
216194	6/10/2013		19.5		Mike
216219	6/11/2013	19.43			David
115292	6/11/2013	16.34			David
216226	6/11/2013		19.57		Mike
115294	6/11/2013		18.22		Mike
216280	6/12/2013		20.01		Mike
216272	6/12/2013		18.14		Mike
115355	6/12/2013	23.58			Mike
115346	6/12/2013	21.07			Mike
115339	6/12/2013	19.07			Mike
115379	6/13/2013	19.43			Mike
216307	6/13/2013	22.77			Mike
216312	6/13/2013		15.97		Mike
216359	6/14/2013		14.87		Mike
216384	6/14/2013	18.03			Mike
216380	6/14/2013	20.68			Mike
216368	6/14/2013		16.23		Mike
216373	6/14/2013		15.78		Mike
115461	6/15/2013		16.99		Steve
115467	6/15/2013	17.99			Steve
115468	6/15/2013	20.37			Steve
115485	6/17/2013	25.68			Dale
115501	6/17/2013		16.61		Mike
115486	6/17/2013	15.42			Mike
216409	6/17/2013	18.28			Mike
216438	6/18/2013		15.95		Mike
216439	6/18/2013		15.96		Mike
216441	6/18/2013		14.62		Mike
216442	6/18/2013		15.03		Mike
216443	6/18/2013		16.78		Mike
216444	6/18/2013	17.4			Mike
216454	6/19/2013	20.78			Mike
216466	6/19/2013		15.36		Mike

216467	6/19/2013		14.91		Mike
216459	6/19/2013	18.5			Mike
216498	6/20/2013	19.63			Dale
216520	6/20/2013	19.62			Mike
216543	6/21/2013		14.96		Mike
216548	6/21/2013		16.24		Mike
115640	6/21/2013		15.46		Mike
115645	6/21/2013		17.58		Mike
115651	6/21/2013	21.3			Mike
115688	6/22/2013	18.52			Mike
115692	6/22/2013	15.31			Mike
216569	6/22/2013		17.51		Mike
216568	6/22/2013		15.62		Mike
115699	6/24/2013	19.26			Mike
115706	6/24/2013	21.14			Mike
115717	6/24/2013		16.82		Mike
115720	6/24/2013		17.55		Mike
115723	6/24/2013		16.88		Mike
115726	6/24/2013		15.39		Mike
115759	6/25/2013		15.69		Mike
115755	6/25/2013		15.78		Mike
115751	6/25/2013		14.88		Mike
115742	6/25/2013	23.25			Mike
115738	6/25/2013	19.59			Mike
216627	6/25/2013	21.26			Mike
216639	6/26/2013	16.96			Mike
216677	6/27/2013	19.32			Mike
115823	6/27/2013	20.51			Mike
115827	6/27/2013	17.55			Mike
216695	6/27/2013		15.89		Steve
216690	6/27/2013		12.43		Steve
216698	6/27/2013		17.11		Steve
115911	6/28/2013	18.7			Mike
115877	6/28/2013	23.1			Mike
216729	6/28/2013	18.46			Mike

216740	6/28/2013		15.01		Mike
115897	6/28/2013		14.9		Mike
216750	6/28/2013		17.43		Mike
216755	6/28/2013		17.36		Mike
216767	6/29/2013	17.92			John
216768	6/29/2013	19.93			John
216770	6/30/2013	19.3			John
216769	6/30/2013	15.18			John
TOTAL		1096	907.16		

Craven Wood Energy JULY 2013					
Ticket #	Date	Fly Ash Tons	Bottom Ash Tons		Driver
216807	7/1/2013		16.2		Mike
216802	7/1/2013		16.77		Mike
216779	7/1/2013	18.51			Mike
216787	7/1/2013	20.44			Mike
115945	7/1/2013	16.5			Mike
216819	7/2/2013		16.11		Mike
216823	7/2/2013		17.76		Mike
216827	7/2/2013		16.02		Mike
115983	7/2/2013		15.83		Mike
115995	7/2/2013		18.89		Mike
115988	7/2/2013		16.93		Mike
ASH-237	7/2/2013	18.61			Mike
116001	7/2/2013	20.85			Mike
116038	7/3/2013		17.28		Mike
216864	7/3/2013	25.79			Mike
216873	7/3/2013	19.36			Mike
216880	7/3/2013	20.94			Mike
116043	7/5/2013	13.45			Mike
116048	7/5/2013	20.89			Mike
216926	7/5/2013	17.09			Mike
216922	7/5/2013	18.49			Mike
216931	7/5/2013	22.33			Mike
216952	7/6/2013	18.51			Steve
216947	7/6/2013		13.84		Steve
216950	7/6/2013	19.1			Steve
216945	7/6/2013		14.2		Steve
116082	7/8/2013	25.24			Mike
116081	7/8/2013	19.57			Mike
116103	7/8/2013	16.71			Mike
217003	7/9/2013	16.45			Mike
217011	7/9/2013		16.31		Mike
116147	7/9/2013		14.65		Mike

116150	7/9/2013		16.51		Mike
116155	7/9/2013		15.72		Mike
217020	7/9/2013		15.49		Mike
217023	7/9/2013		14.85		Mike
116170	7/9/2013	17.2			Mike
116221	7/10/2013		15.87		Mike
116210	7/10/2013		16.8		Mike
217055	7/10/2013		16.19		Mike
116204	7/10/2013		17.16		Mike
116197	7/10/2013		14.67		Mike
116190	7/10/2013	14.4			Mike
217066	7/10/2013	16.27			Mike
217092	7/11/2013	18.35			Mike
217086	7/11/2013	12.87			Mike
217101	7/11/2013		16.69		Mike
217172	7/12/2013	17.21			Mike
116307	7/12/2012	18.59			Mike
217147	7/12/2013	16.82			Mike
217186	7/13/2013	24.3			Mike
217185	7/13/2013	19.5			Mike
217183	7/13/2013		18.24		Mike
217181	7/13/2013		17.23		Mike
217180	7/13/2013		17.42		Mike
217179	7/13/2013		16.59		Mike
217187	7/13/2013	16.47			Mike
217216	7/15/2013		16.57		Mike
116367	7/15/2013		16.33		Mike
116361	7/15/2013	17.16			Mike
217206	7/15/2013	18.33			Mike
217202	7/15/2013	17.98			Mike
217196	7/15/2013	20.81			Mike
217191	7/15/2013	18.45			Mike
116418	7/16/2013	20.89			Mike
217248	7/16/2013	21.75			Mike
116410	7/16/2013		15.75		Mike

217239	7/16/2013		16.93		Mike
217235	7/16/2013		16.68		Mike
116395	7/16/2013		16.66		Mike
217254	7/16/2013	18.73			Mike
116450	7/17/2013	19.3			Mike
217257	7/17/2013	23.9			Mike
217262	7/17/2013		20.04		Mike
116428	7/17/2013		19.05		Mike
116435	7/17/2013		20.7		Mike
116441	7/17/2013		16.9		Mike
217274	7/17/2013		15.72		Mike
217279	7/17/2013	$22.65			Mike
116474	7/18/2013	21.31			Mike
217313	7/18/2013		16.69		Mike
116488	7/18/2013		16.46		Mike
116495	7/18/2013		17.02		Mike
217330	7/18/2013	20.57			Mike
116537	7/19/2013		15.83		Mike
217346	7/19/2013	17.7			Mike
217375	7/20/2013	22.29			Steve
217376	7/20/2013	22.4			Steve
217382	7/22/2013	15.73			Mike
217385	7/22/2013	20.72			Mike
116587	7/22/2013		20.68		Mike
217392	7/22/2013		16.72		Mike
116600	7/22/2013		16.17		Mike
116610	7/22/2013		15.03		Mike
116604	7/22/2013		15.73		Mike
217437	7/23/2013		15.5		Mike
217414	7/23/2013	17.92			Mike
217430	7/23/2013		16.1		Mike
116636	23-Jul		15		Mike
217567	7/27/2013		18.12		Mike
217565	7/27/2013		17.79		Mike
217569	7/27/2013		14.8		Mike

217571	7/28/2013	27.4			Mike
217570	7/28/2013	18.7			Mike
217588	7/29/2013		17.09		Mike
217585	7/29/2013		17.49		Mike
116816	7/29/2013		15.72		Mike
217574	7/29/2013	18.29			Mike
116801	7/29/2013	16.98			Mike
116807	7/29/2013	17.72			Mike
217619	7/30/2013	16.75			Mike
116863	7/30/2013		17.47		Mike
116870	7/30/2013		17.7		Mike
		1055.24	964.66		

9.58 Tons/mon x 12
115.07 Ton/year ÷ 4
28.77 acres x $21
$257,000