



# PALS — Agronomic Report Search & Sample Submission Tool



by Colleen Hudak-Wise, Ph.D.,  
Agronomic Division Director

May 2014

Steve Troxler, Commissioner of Agriculture

# PALS [www.ncagr.gov/agronomi/pals/](http://www.ncagr.gov/agronomi/pals/)

- For optimal performance, use a current version of one of the following Internet browsers
  - Internet Explorer (preferred)
  - Google Chrome
  - Mozilla Firefox
  - Safari (Apple computers)

# Features of Redesigned PALS

- Standard features (available to everyone)
  - report search by client name
  - report search by report number
  
- Features for clients with an established account
  - ability to manage/edit personal contact information
  - ability to submit soil sample information electronically
  - payment of peak-season fees using a credit card

[www.ncagr.gov/agronomi](http://www.ncagr.gov/agronomi)



**NORTH CAROLINA**  
DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

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**AGRONOMIC SERVICES**  
division



N.C. Dept. of Labor  
Public Sector STAR  
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**Agronomic Services Highlights**

[Escrow Account Info](#)

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- [New PALS Training/Webinar](#)
- [How to Submit Sample Information Online & Pay with a Credit Card](#)
- [How to Use the Report Search Utility](#)

NCDA&CS Agronomic Services Division, [Colleen M. Hudak-Wise, Ph.D., Director](#)

Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040

Physical Address: 4300 Reedy Creek Road, Raleigh NC 27607-6465

Phone: (919) 733-2655; FAX: (919) 733-2837



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**PALS is the Public Access Laboratory-information-management System that provides access to recent soil test, plant tissue, waste, solution, soilless media and nematode assay reports.**

**Report Quick Search**

  
You may enter last name(comma) first name, business name, or report number 

[Show My Reports](#)

Estimated Processing Time for Samples Received on 11/1/2013

Lab	ProcessTime
Soil	5 to 7 days
Nematode	1 week(s)
Nematode(Problem)	3 to 5 days
Plant	2 days
Waste	7 to 10 days
Media	3 to 4 days
Solution	3 to 4 days

Enter last name, business name or report number to search.

OR create login account to use advanced features.

# Advantages to Creating a PALS Account

- Identify your user account correctly and consistently
- See all your reports listed under one user account, whether you are acting as a grower or a consultant
- Update your own user account information
- Submit sample information online, thereby reducing data entry errors associated with the reading of handwritten forms
- Pay peak-season soil test fees by credit card

ALS  
Agronomic Services Division

Agronomic Home PALS Home Utilities Help Login

### Login

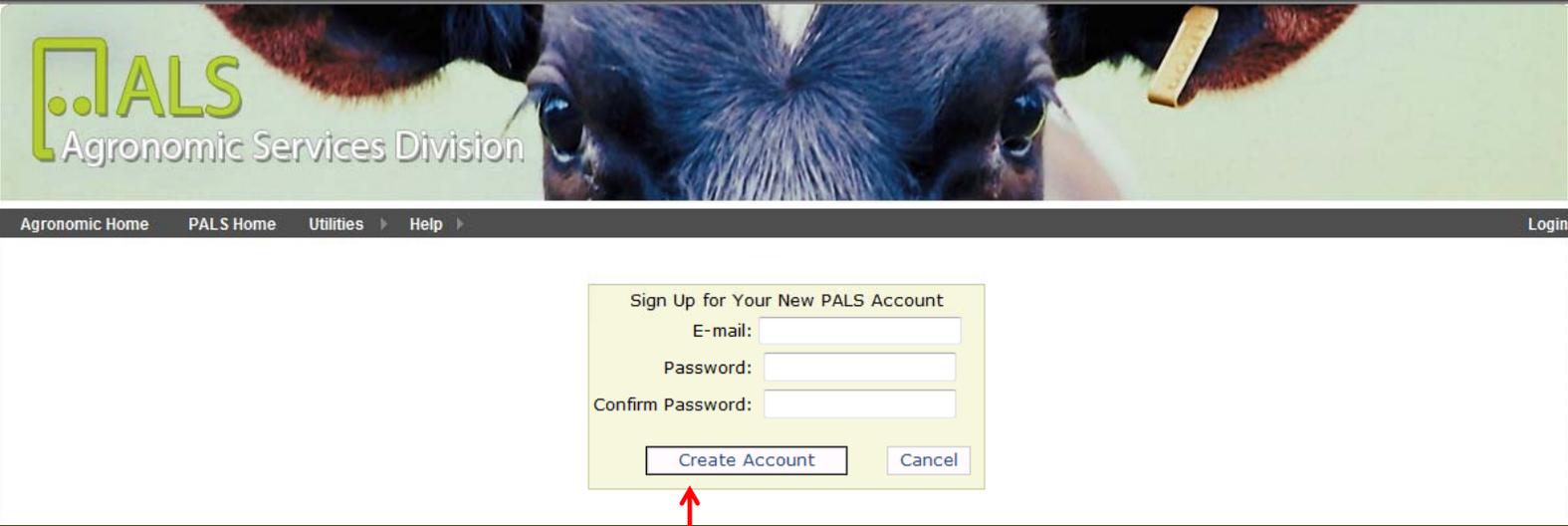
**Log In**

Email Address:

Password:

[Don't have an account? Create one!](#)

[Forgot Your Password?](#)



The screenshot shows the PALS web application interface. At the top left is the logo for PALS (Precision Agriculture Location Services) Agronomic Services Division. Below the logo is a navigation bar with links for Agronomic Home, PALS Home, Utilities, and Help. On the right side of the navigation bar is a Login link. The main content area features a sign-up form titled "Sign Up for Your New PALS Account". The form contains three input fields: "E-mail:", "Password:", and "Confirm Password:". Below these fields are two buttons: "Create Account" and "Cancel". A red arrow points to the "Create Account" button.

Anyone can create a PALS account if they have a valid email address,  
**but . . .** it must be a unique email address.

**one email address = one PALS account**

One client account cannot be associated with multiple email addresses.  
One email address cannot be associated with multiple client accounts.

NCD&CS Agronomic Services Division, Colleen M. Hudak-Wise, Ph.D., Director  
Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040 Physical Address: 4300 Reedy Creek Road, Raleigh NC 27607-6465



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**Complete**

Your account has been created, but before you can login you must first verify your email address. A message has been sent to the email address you specified. Please check your email inbox and follow the instructions in that email to verify your account.

[Continue](#)

NCD&CS Agronomic Services Division, Colleen M. Hudak-Wise, Ph.D., Director

ALS Agronomic Services Division

Agronomic Home PALS Home Utilities Help Welcome back, cccstokes@gmail.com - [Logout]

- Submit Sample Information
- Change Crops on my report
- Customer Utilities
  - Update Customer Account
  - Change My Password
  - My Submissions Cart
  - My Submissions
  - My Reports
- Customer Tools

soil test, plant

in-management System that provides access to recent soilless media and nematode assay reports.

Report Quick Search

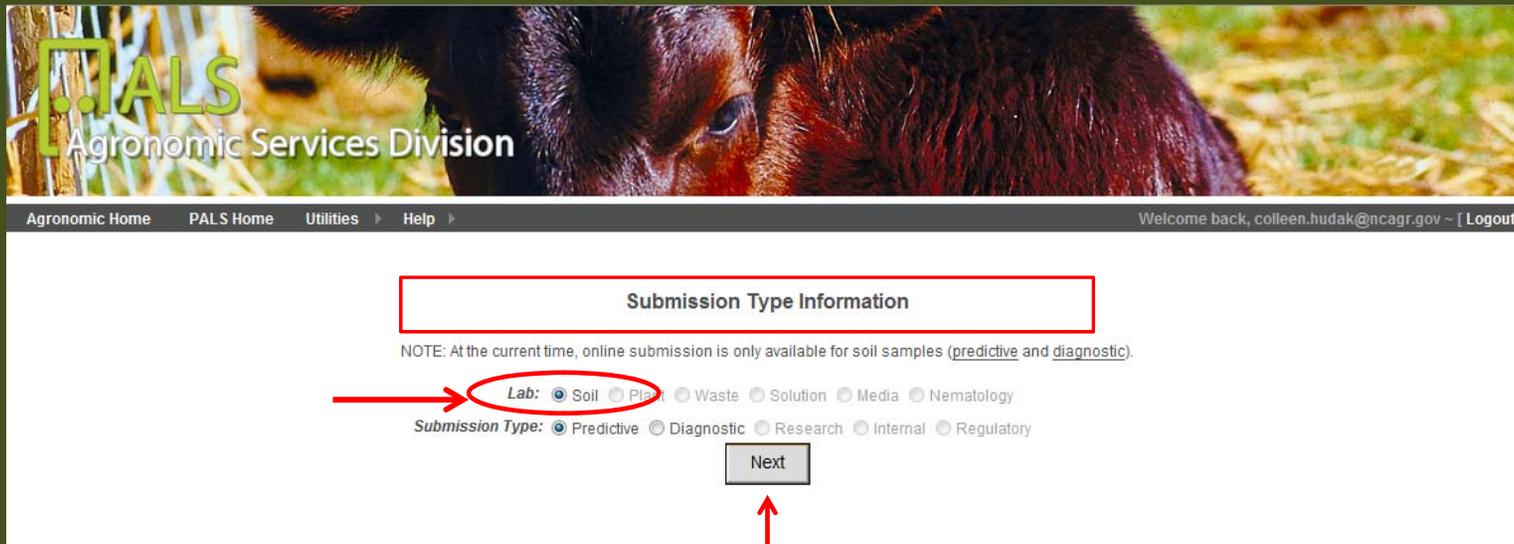
You may enter last name(comma) first name, business name, or report number

Show My Reports

Estimated Processing Time for Samples Received on 3/24/2014

Lab	ProcessTime
Soil	1 to 2 weeks
Nematode	1 week
Nematode(Problem)	3 to 5 days
Plant	2 days
Waste	7 to 10 days
Media	3 to 4 days
Solution	3 to 4 days

Once you are logged in, look under the Utilities menu for the option to fill out a *Soil Sample Information* form online.



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**Submission Type Information**

NOTE: At the current time, online submission is only available for soil samples (predictive and diagnostic).

Lab:  Soil  Plant  Waste  Solution  Media  Nematology

Submission Type:  Predictive  Diagnostic  Research  Internal  Regulatory

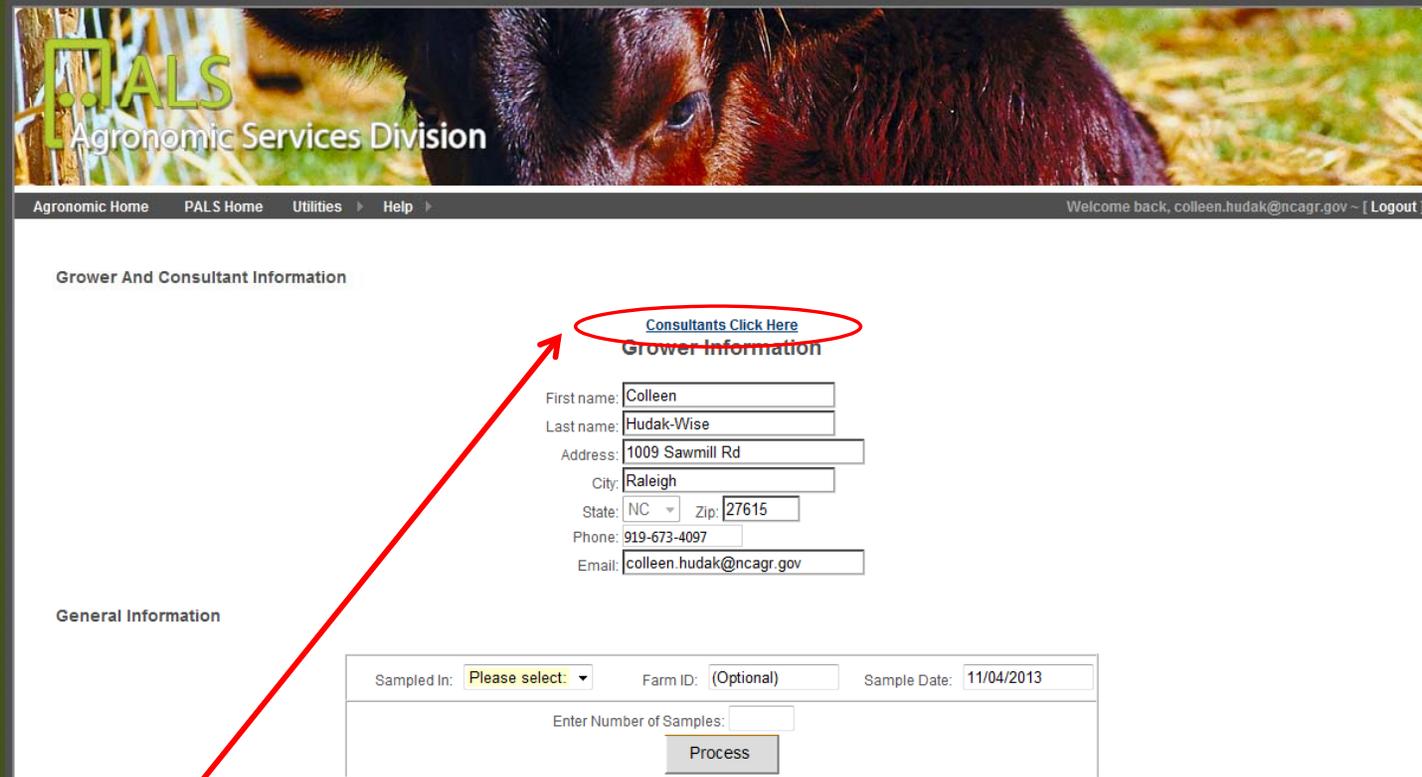
Next

At the present time, online submission of sample information and payment of fees is only available for soil samples.

The Agronomic Division prefers that clients use this method to submit soil sample information all year.

## Peak-season Soil Test Fee — \$4/sample

- During peak season, online submission of soil samples requires payment with a credit card.
- Clients choosing other forms of payment, such as an escrow account, should fill out the traditional paper *Soil Sample Information* form, instead of the online form.
- In the near future, PALS will be able to accommodate other forms of payment and other types of samples.



The screenshot shows the PALS Agronomic Services Division website. The header includes the PALS logo and the text 'Agronomic Services Division'. The navigation menu contains 'Agronomic Home', 'PALS Home', 'Utilities', and 'Help'. A user greeting reads 'Welcome back, colleen.hudak@ncagr.gov ~ [Logout]'. The main content area is titled 'Grower And Consultant Information' and contains a form for 'Grower Information'. The form fields are: First name: Colleen, Last name: Hudak-Wise, Address: 1009 Sawmill Rd, City: Raleigh, State: NC, Zip: 27615, Phone: 919-673-4097, and Email: colleen.hudak@ncagr.gov. Below the form is a 'General Information' section with fields for 'Sampled In: Please select:', 'Farm ID: (Optional)', and 'Sample Date: 11/04/2013'. There is also a field for 'Enter Number of Samples:' and a 'Process' button. A red arrow points from the bottom left towards the 'Consultants Click Here' link, which is circled in red.

[Consultants Click Here](#)

**Grower Information**

First name:

Last name:

Address:

City:

State:  Zip:

Phone:

Email:

**General Information**

Sampled In:

Farm ID:

Sample Date:

Enter Number of Samples:

Consultants can fill out soil sample information for their clients by choosing this option.

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### Grower And Consultant Information

[Click to Submit Own Sample](#)

#### Grower Information

[Click Here If Grower Not Found](#)  
Please enter last name(, comma) first name to look up the customer you are submitting the sample for.  
Hyde, Deborah (1875 Old Haywood Rd., Asheville, 2880)

#### Advisor / Consultant

First name: Colleen  
Last name: Hudak-Wise  
Address: 1009 Sawmill Rd  
City: Raleigh  
State: NC Zip: 27615  
Phone: 919-673-4097  
Email: colleen.hudak@ncagr.gov

### General Information

Sampled In: Craven Farm ID: (Optional) Sample Date: 11/01/2013

Enter Number of Samples: 5

Process

I attest that all samples were collected in NC

Sample Details

Maximum of 180 samples/submission



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### Grower And Consultant Information

[Consultants Click Here](#)  
**Grower Information**

Message from webpage

 The Agronomic Division can only accept soil samples collected in North Carolina.

OK

Email: colleen.hudak@ncagr.gov

### General Information

Sampled In:  Farm ID:  Sample Date:

Enter Number of Samples:

I attest that all samples were collected in NC

### Sample Details

All soil samples sent to the Agronomic Division lab must have been collected in North Carolina.

**Sample Details**

Crop Code Color Legend

- CHRISTMAS TREES
- COMMERCIAL HORTICULTURE CROPS
- COMMERCIAL NURSERY & FLOWERS
- FIELD CROPS
- FINE TURF
- FORAGE & PASTURE
- FOREST TREES & SEED
- HOME LAWN & GARDEN
- ORCHARD, FRUIT & NUT
- ROADSIDE AREAS
- STORMWATER
- WILDLIFE AREAS

**Predictive Soil Test —  
to obtain lime & fertilizer  
recommendations**

Optional Submit Samples

**\* Required**

No.	Sample ID	First Crop Code	Second Crop Code (Optional)	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Cascade
1	1 *	026 / Lawn (not centip.) *	029 / Shrubs	0.25	9	2013	
2	* *	Please select: *	Please select:		Please select:	Please select:	
3	* *	Please select: *	Please select:		Please select:	Please select:	
4	* *	Please select: *	Please select:		Please select:	Please select:	
5	* *	Please select: *	Please select:		Please select:	Please select:	

Comments (Please provide any other pertinent information)

Use the “Cascade” feature to copy information from the first row to subsequent rows.

**Sample Details**

[Crop Code Color Legend](#)

- CHRISTMAS TREES
- COMMERCIAL HORTICULTURE CROPS
- COMMERCIAL NURSERY & FLOWERS
- FIELD CROPS
- FINE TURF
- FORAGE & PASTURE
- FOREST TREES & SEED
- HOME LAWN & GARDEN
- ORCHARD, FRUIT & NUT
- ROADSIDE AREAS
- STORMWATER
- WILDLIFE AREAS

Predictive Soil Test



Submit Samples

Sample Details

No.	Sample ID	First Crop Code	Second Crop Code (Optional)	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Cascade
1	1 *	026 / Lawn (not centip.) *	029 / Shrubs	0.25	9	2013	
2	2 *	026 / Lawn (not centip.) *	029 / Shrubs	0.25	9	2013	
3	3 *	026 / Lawn (not centip.) *	029 / Shrubs	0.25	9	2013	
4	4 *	026 / Lawn (not centip.) *	029 / Shrubs	0.25	9	2013	
5	5	026 / Lawn (not centip.) *	029 / Shrubs	0.25	9	2013	

Comments (Please provide any other pertinent information)

**Sample Details**

Crop Code Color Legend

- CHRISTMAS TREES
- COMMERCIAL HORTICULTURE CROPS
- COMMERCIAL NURSERY & FLOWERS
- FIELD CROPS
- FINE TURF
- FORAGE & PASTURE
- FOREST TREES & SEED
- HOME LAWN & GARDEN
- ORCHARD, FRUIT & NUT
- ROADSIDE AREAS
- STORMWATER
- WILDLIFE AREAS

**Predictive Soil Test**

Submit Samples

Sample Details

No.	Sample ID	First Crop Code	Second Crop Code (Optional)	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Cascade
1	1 *	026 / Lawn (not centip.) *	029 / Shrubs		Please select: ▾	Please select: ▾	
2	2 *	026 / Lawn (not centip.) *	029 / Shrubs		Please select: ▾	Please select: ▾	
3	3 *	020 / Azalea/Camelia *	023 / Flower garden		Please select: ▾	Please select: ▾	
4	4 *	026 / Lawn (not centip.) *	029 / Shrubs		Please select: ▾	Please select: ▾	
5	5 *	026 / Lawn (not centip.) *	029 / Shrubs		Please select: ▾	Please select: ▾	

Comments (Please provide any other pertinent information)

You can use the “Cascade” feature again to change the crop specifications for subsequent rows.

**Sample Details**

Crop Code Color Legend

- CHRISTMAS TREES
- COMMERCIAL HORTICULTURE CROPS
- COMMERCIAL NURSERY & FLOWERS
- FIELD CROPS
- FINE TURF
- FORAGE & PASTURE
- FOREST TREES & SEED
- HOME LAWN & GARDEN
- ORCHARD, FRUIT & NUT
- ROADSIDE AREAS
- STORMWATER
- WILDLIFE AREAS

Predictive Soil Test



Submit Samples

Sample Details

No.	Sample ID	First Crop Code	Second Crop Code (Optional)	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Cascade
1	1 *	026 / Lawn (not centip.)	029 / Shrubs		Please select: ▾	Please select: ▾	
2	2 *	026 / Lawn (not centip.)	029 / Shrubs		Please select: ▾	Please select: ▾	
3	3 *	020 / Azalea/Camelia	023 / Flower garden		Please select: ▾	Please select: ▾	
4	4 *	020 / Azalea/Camelia	023 / Flower garden		Please select: ▾	Please select: ▾	
5	5 *	020 / Azalea/Camelia	023 / Flower garden		Please select: ▾	Please select: ▾	

Comments (Please provide any other pertinent information)

Notice that the information in row 3 has been copied down to rows 4 & 5.  
Click the "Submit Samples" button.

**Predictive Soil Test**

**Sample Details**

Crop Code Color Legend

- CHRISTMAS TREES
- COMMERCIAL HORTICULTURE CROPS
- COMMERCIAL NURSERY & FLOWERS
- FIELD CROPS
- FINE TURF
- FORAGE & PASTURE
- FOREST TREES & SEED
- HOME LAWN & GARDEN
- ORCHARD, FRUIT & NUT
- ROADSIDE AREAS
- STORMWATER
- WILDLIFE AREAS

Submit Samples

Sample Details: Sample No.1 Crops codes under home lawn and garden category cannot be mixed with crop codes from other categories.

No.	Sample ID	First Crop Code	Second Crop Code (Optional)	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Cascade
1	a *	003 / Cotton	026 / Lawn (not centip.)		Please select: ▾	Please select: ▾	

Comments (Please provide any other pertinent information)

This combination is not acceptable.

**Note:** If two crops are listed for one sample, both First Crop and Second Crop must be the same type (e.g., both Home Lawn & Garden crops or both field crops).

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	SubmissionID	Grower	SubmissionType	SampledIn	Samples	Total
Edit Delete	107	Hyde, Deborah	Soil - Predictive	Craven	5	20.00

Create another Submission

Grand Total: \$20.00

Pay with Credit Card

Check Out

**My Submission Cart**

During peak season only

Once you “Submit Samples,” you will be prompted to “Check Out” and pay with a credit card (Visa or MasterCard).

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**Multiple submissions can be paid for at one time.**

	SubmissionID	Grower	SubmissionType	SampledIn	Samples	Total
Edit Delete	89	Hudak-Wise, Colleen	Soil - Diagnostic	Davidson	2	8.00
Edit Delete	91	Hudak-Wise, Colleen	Soil - Predictive	Wake	10	40.00

Create another Submission

**Grand Total: \$48.00**

Pay with Credit Card

**My Submission Cart**

NCD&CS Agronomic Services Division, Colleen M. Hudak-Wise, Ph.D., Director  
Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040 Physical Address: 4300 Reedy Creek Road, Raleigh NC 27607-6465  
Phone: (919) 733-2655; FAX: (919) 733-2837

Local intranet | Protected Mode: Off 100%

Soil

**Payment Method**

\* Indicates required field

**Choose method of payment**

**Pay by credit card**



**Back** **Next** **Exit**

If you have questions, call us at 919-733-2655.

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indicates required field

### Billing Address

**\*First Name:** Colleen  
**M.I.:**   
**\*Last Name:** Hudak-Wise  
**Street Line 1:** 1009 Sawmill Rd  
**Street Line 2:**   
**City:** Raleigh  
**State:** North Carolina  
**Zip:** 27615  
**Phone:** (919) 673-4097  
**E-Mail:** colleen.hudak@ncagr.gov

### Payment Details

**\*Payment Amount:** 48.00 USD

### Payment Method

**\*Name on Card:** Colleen Hudak-Wise  
**\*Card Number:** 5233272716340016  
**\*Expiration Date:** \* Month 04 \* Year 2015

**\* Enter the above code:**   
[Can't read? Try a different code.](#)

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Soil

**Payment Review**

<b>Address</b>
<b>Billing Address:</b> Colleen Hudak-Wise 1009 Sawmill Rd Raleigh, NC 27615 (919) 673-4097 colleen.hudak@ncagr.gov
<b>Payment Method</b>
Credit Card Colleen Hudak-Wise x0016 04/15
<b>Payment Amount</b>
<b>Amount:</b> 48.00 USD
<b>Total:</b> 48.00 USD
<a href="#">Back</a> <a href="#">Pay Now</a> <a href="#">Exit</a>



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NCDA&CS Agronomic Division Phone: (919) 733-2655 Website: www.ncagr.gov/agronomi/ **Submission ID. 30**

Form AD-1 **SOIL SAMPLE INFORMATION**

NCDA&CS Agronomic Division Soil Testing Section  
 Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040  
 Physical Address (UPS/FedEx/DHS): 4300 Reedy Creek Rd, Raleigh NC 27607

SAMPLE TYPE: Predictive

FOR OFFICE USE ONLY  
 REPORT #  
 DATE REC'D



SAMPLE INFORMATION		GROWER INFORMATION			CONSULTANT / OTHER RECIPIENT		
FARM ID Pacoson		LAST NAME, FIRST NAME OR BUSINESS NAME Riggs Brothers Farm (Rodney)			LAST NAME, FIRST NAME OR BUSINESS NAME Hudak-Wise, Colleen		
SAMPLE DATE 10/24/2013		ADDRESS 760 Riggstown Rd			ADDRESS 1009 Sawmill Road		
COUNTY (where collected) Jones		CITY Pollocksville	STATE NC	ZIP 28573	CITY Raleigh	STATE NC	ZIP 27615
NUMBER OF SAMPLES 5		PHONE (252) 670-1114			PHONE (919) 673-4097		
		E-MAIL ADDRESS kingstontobacco@earthlink.net			E-MAIL ADDRESS colleen.hudak@ncagr.gov		

LAB NUMBER (Leave blank)	SAMPLE IDENTIFICATION	LIME APPLIED WITHIN PAST 12 MONTHS			You must specify a crop CODE to receive a recommendation .			
		Tons/Acre	Month	Year	FIRST CROP	CODE	SECOND CROP	CODE
	8   5   1	0.0	0	0	Small Grain (SG)	004	Soybean	010
	8   5   2	0.0	0	0	Small Grain (SG)	004	Soybean	010
	8   5   3	0.0	0	0	Small Grain (SG)	004	Soybean	010
	8   6   1	0.0	0	0	Small Grain (SG)	004	Soybean	010
	8   6   2	0.0	0	0	Small Grain (SG)	004	Soybean	010

Notice the Submission ID number.  
 When your samples arrive at the lab, this number on the form verifies that the samples were paid for online.



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Welcome back

Amount Due: \$48.00

Amount Paid: \$48.00

Confirmation Number: 13110400607449

**Please ensure the Submission form is included with your samples.**

If your sample information form does not automatically open,  
then please check your pop-up blocker and click the link below.



[Print/View Sample Information Submission Form](#)

**Submissions included in this transaction:**

89.91

**Confirmation Page**

Do NOT place cash or checks inside soil shippers.

NCD&CS Agronomic Division  
Form AD-1  
Phone: (919) 733-2855  
Website: www.ncagr.gov/agronomi/

**SOIL SAMPLE INFORMATION**

NCD&CS Agronomic Division Soil Testing Section  
Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040  
Physical Address (UPS/FedEx/DHS): 4300 Reedy Creek Rd, Raleigh NC 27807

Submission ID: 86

FOR OFFICE USE ONLY  
REPORT #  
DATE REC'D

CONSULTANT / OTHER RECIPIENT  
LAST NAME, FIRST NAME, OR BUSINESS NAME  
Hudak-Wise, Colleen  
ADDRESS  
1009 Sawmill Rd  
CITY  
Raleigh

**SAMPLE INFORMATION**

SAMPLE TYPE  
Predictive

**FARM INFORMATION**

FARM ID  
garden

SAMPLE DATE  
10/10/2013

COUNTY (where collected)  
Wake

SAMPLES  
4

LAB NUMBER (if any)

**GROWER INFORMATION**

LAST NAME, FIRST NAME OR BUSINESS NAME  
Brown, Bonnie

ADDRESS  
123 Farmville Road

CITY  
Morroe

PHONE  
(704) 753-4264

E-MAIL ADDRESS  
bonie.brown@ncagr.gov

STATE  
NC

ZIP  
28110

Print the *Soil Sample Information* form  
(with Submission ID# in upper right corner)  
and place it inside the shipper!

Please Pack Samples Carefully!



ORCHARD, FRUIT & NUT  
ROADSIDE AREAS  
STORMWATER  
WILDLIFE AREAS

Submit Samples

Sample Details

No.	Sample ID	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Problem Crop	Next Crop	Corresponding Plant Sample ID	Corresponding Nematode Sample ID	Crop Condition	Drought Stress	Cascade
1	good		Please select:	Please select:	023 / Flower garden	024 / Vegetable garde	pgood	ngood	<input type="radio"/> Poor <input type="radio"/> Fair <input checked="" type="radio"/> Good	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2	bad		Please select:	Please select:	023 / Flower garden	024 / Vegetable garde	pbad	nbad	<input checked="" type="radio"/> Poor <input type="radio"/> Fair <input type="radio"/> Good	<input type="radio"/> Yes <input checked="" type="radio"/> No	

**Plant Symptoms** | Crop Production ← Information must be filled out on two tabs.

Growth (check all that apply)

General:  Good  Fair  Poor  Dead

Specific:  Brittle leaves/stems  Distorted leaves  Leaf rosette  Dwarfed

Roots:  Good  Fair  Poor  Dead

Bud/New Growth:  Good  Fair  Poor  Dead  Distorted

Color (check all that apply)

Color location:  Younger leaves  Older leaves  Whole plants

Color of leaves:  Dark green  Light green  Yellow  Red  Reddish purple

Leaf color pattern:  Whole leaf  Between veins  Veins & petiole  Margins  Tips

Other pattern: \_\_\_\_\_

Comments (Please provide any other pertinent information)

Diagnostic Soil Test —  
to troubleshoot nutrient-related  
growth problems in a crop

Online data entry is a little different for samples being submitted for diagnostic testing.

- HOME LAWN & GARDEN
- ORCHARD, FRUIT & NUT
- ROADSIDE AREAS
- STORMWATER
- WILDLIFE AREAS

## Diagnostic Soil Test

Submit Samples

Sample Details

No.	Sample ID	Lime Tons / Acre (Optional)	Lime Month (Optional)	Lime Year (Optional)	Problem Crop	Next Crop	Corresponding Plant Sample ID	Corresponding Nematode Sample ID	Crop Condition	Drought Stress	Cascade
1	good *		Please select: ▾	Please select: ▾	023 / Flower garden ▾ *	024 / Vegetable garde ▾	pgood	ngood	<input type="radio"/> Poor <input type="radio"/> Fair <input checked="" type="radio"/> Good	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2	bad *		Please select: ▾	Please select: ▾	023 / Flower garden ▾ *	024 / Vegetable garde ▾	pbad	nbad	<input checked="" type="radio"/> Poor <input type="radio"/> Fair <input type="radio"/> Good	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Plant Symptoms | **Crop Production**

← Information must be filled out on two tabs.

Fertilizer Applied to This Crop (lb./acre)

Method of Application	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Mn	Zn	Cu	B
Broadcast	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Row / Band	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Topdress / Foliar	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Date planted:   
 Previous crop affected?

Crop Tillage:  ▾  
 Field / Growing Conditions:  ▾  
 Greenhouse Media Type:  ▾

Other nutrient materials(gypsum, sewage sludge, sawdust, etc.):

Comments (Please provide any other pertinent information)

During peak season (~Thanksgiving through March 31<sup>st</sup>), samples must be dropped off at the loading dock during posted times.



# Need Additional Help ?

- Read [PALS tips](#) online.
- Call the Agronomic Division office at 919-733-2655.