

Agronomic Division — 2015 Annual Report

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Service

The Agronomic Division serves North Carolina residents by providing soil testing, plant tissue analysis, waste analysis, solution analysis, soilless media analysis, nematode assay and expert advice regarding plant nutrient management. This year, the division made several changes that have improved the quality and scope of these services. Some notable milestones for 2015 include

- 1) Hiring of a Dr. Kristin Hicks as the new Section Chief for the Plant/Waste/Solution/Media (PWSM) laboratories
- 2) Adding a second permanent Business and Technology Applications Analyst, Jeff Vitalis
- 3) Hiring of Hunter Landis as the new Agronomist for the PWSM laboratories
- 4) Implementation of new biosafety protocols in the PWSM Section in preparation for the possibility of a highly pathogenic avian influenza outbreak in North Carolina.
- 5) Purchase of a new solid waste grinder by the PWSM Section. This new grinder contains HEPA filtration and an enclosed cyclone suction system to reduce employee exposure to dust and airborne particulates.
- 6) Purchase of an automated dispensing station in the Soil Testing Laboratory
- 7) Purchase of a Spectro Arcos Inductively Coupled Plasma (ICP) Optical Emission Spectrometer (OES) by the Soil Testing Laboratory. This new ICP-OES replaces an instrument purchased in 1994.

As a Public Sector STAR site, the Agronomic Division conducted monthly building inspections; issued a quarterly safety newsletter; presented benchtop trainings on relevant safety topics; and sent representatives to attend NCDOL's annual Carolina STAR safety conference. All in-house employees met regularly and served on one of eight safety teams: Safety Inspection & Compliance, Safety Program & Policy, Safety Information & Communication, Job Safety Analysis, Housekeeping, Wellness, Mentoring & STAR Report, and Ergonomics.

The soil testing and waste analysis laboratories continued to operate under the N.C. Department of Environmental Quality (DEQ) Division of Water Resources' laboratory certification program and are qualified to provide critical testing for animal waste permits and nutrient management compliance. The soil testing and plant analysis laboratories

continue to meet the requirements of the North American Proficiency Testing program. The waste analysis lab participated in the national Manure Analysis Proficiency (MAP) Program and earned certification in manure testing for all parameters attempted. In 2015, the Soil Testing Laboratory participated in the Agricultural Laboratory Proficiency Program for the first time; this new program allows the lab to critically examine its within laboratory performance for self-auditing purposes and also to compare its results to those produced by other participating laboratories.

The **Soil Testing Section**, under the direction of David H. Hardy, Ph.D., analyzed 306,117 soil samples in FY2015: 284,357 predictive; 15,732 expedited; 2,707 diagnostic; 2,100 research; 783 from witchweed-infested areas; and 438 heavy metals. Reports issued with fertilizer/lime recommendations totaled 36,790.

The **Plant/Waste/Solution/Media (PWSM) Section**, under the direction of Kristin Hicks, Ph.D., analyzed 11,454 plant tissue samples; 15,118 waste samples; 3,011 solution samples; and 698 soilless media samples in FY2015. Of these, 4,828 were research samples. PWSM issued a total of 11,465 reports.

The **Nematode Assay Section**, under the direction of Weimin Ye, Ph.D., processed 40,172 samples and issued 5,372 reports in FY2015, including 2,046 research samples, 316 diagnostic samples, 76 out-of-state samples (excluding pinewood), 59 samples from the NCSU Plant Disease and Insect Clinic and 80 regulatory samples from the NCDA&CS Plant Industry Division. In addition, 7,767 samples (667 reports) were specifically tested for the presence of pinewood nematode so shipments of lumber and wood products could be cleared for export from the United States. Pine wood nematode was detected in 214 samples, but this was only 2.76% of the total pine wood samples assayed. From April through September, samples were processed in about 5 business days. During the busy season of October through March, turn-around time was about 15 to 30 days.

Field Services Section personnel, under the direction of Michelle McGinnis, Ph.D., made about 9,500 grower visits in FY2015, primarily to help diagnose nutrient and/or nematode problems. Regional agronomists handled 400 inquiries regarding environmental issues in FY2015— primarily waste management plan clarifications, regulatory updates and river basin oversight reviews — and participated in local advisory committees. Don Nicholson served as an advisor to the board of The Corn Growers Association of North Carolina, Mike Wilder was an advisor to the board of the Strawberry Growers Association and Chris Leek served as an ex-officio member to the North Carolina Tomato Growers Association.

Adam Lassiter (Region 1) resigned in October 2015. As of December 31, 2015, this position was still vacant.

Education & Outreach (calendar year summary)

Agronomic Division staff, especially the **Field Services Section**, reach thousands of growers, homeowners and agricultural professionals through a wide range of educational activities. Honeywell provides funding for the distribution of a limited number of vouchers to cover the

cost of plant tissue analysis as a means to introduce growers to this service. Regional agronomists play a key role in spreading the word about tissue testing and offering the free vouchers to interested growers.

In-house staff conducted at least 35 laboratory tours for farmers, master gardeners, agribusiness groups, scientists and students. Information on agronomic services was disseminated through more than 34 educational exhibits displayed at farm shows, field days, training events and professional meetings (see appendix).

Outreach also included eight news releases and several interviews and/or tweets. Many presentations on agronomic services were made to master gardeners, growers, commodity associations, conservation groups, and county and state organizations as well as to regional, national and international meetings. Groups to whom presentations were made include

- ! Raleigh Waste Water Treatment Plant Farmer Appreciation Day (Clayton; January 22, 2015)
— Presentation: *NCDA Agronomic Lab Services*, D. Nicholson
- ! NC Muscadine Grape Growers Association (Winston-Salem, NC; Jan 22, 2015)
— Presentation: *Soil Testing for Muscadine Grape Production*, D. Overcash
- ! Craven County Master Gardener's Workshop (New Barn; Jan 23, 2015)
— Presentation: *Soil Test Report and Compost Analysis*, C. Jernigan
- ! Animal Waste Certification Class (Elizabethtown, NC; Jan 23, 2015)
— Presentation: *Tools for the Plan: Waste, Soil, and Plant Analysis*, G. Love
- ! Murphy Brown grower meeting (Raleigh; Feb 4, 2015)
— Moderator, D. Nicholson
— Panel Member, A. Lassiter
- ! Rowan County Cattlemen's Association (Salisbury; Feb 5, 2015)
— Presentation: *Agronomic Services*, D. Overcash
- ! Lenoir & Jones County Tobacco GH Management Meeting (Kinston; February 10, 2015)
— Presentation: *Fertility Considerations for GH Tobacco Production*, C. Jernigan
- ! Pollinator Stewardship Initiative Workshop (Mills River; Mar 25, 2015)
— Presentation: *NCDA Pollinator Habitat Initiative*, C. Leek
- ! Ashe County Christmas Tree Growers Meeting (Jefferson, NC; Mar 19, 2015)
— Presentation: *NCDA and Agronomic Division Update*; D. Tate
- ! Ashe County Soil Fertility Class (Jefferson; Mar 24, 2015)
— Presentation: *How to Read an NCDA Soil Test Report*, D. Tate
- ! Surface Irrigation System Operators Training School Field Day (Raleigh; Mar 25, 2015)
— field demonstration: R. Watson
- ! Lee County Master Gardener Training (Sanford; Mar 25, 2015)
— Presentation: *Soils and Fertilizer*, C. Lambert
- ! Dare County Master Gardeners Training (Manteo; Mar 31, 2015)
— Presentation: *Soil and Soil Fertility*, J. Searcy
- ! Interagency Pasture Training (Brasstown; Apr 11, 2015)
— Presentation: *Agronomic Services*, C. Leek and D. Tate
- ! Freightliner (Cleveland; Apr 1, 2015)

- Presentation: *Soil and Plant Sampling in Raised Bed Gardens*, D. Overcash
- ! Iredell Dairy Grazing Clinic (Salisbury; Apr 7, 2015)
- Presentation: *Nutrient Distribution from Animal Waste*, D. Overcash
- ! Interagency Pasture Training (Taylorsville; Apr 15, 2015)
- Presentation: Agronomic Services, D. Tate
- ! DKG Society Meeting, (Rowland; Apr 18, 2015)
- Presentation: Agronomic Services, G. Love
- ! NCSU Agronomy Club Spring Banquet, (Raleigh; Apr 21, 2015)
- Presentation: *2015 – The Year of the Pollinator*, D. Hardy.
- ! Sixth Grade Class (Rowland; Apr 22, 2015)
- Presentation: *How flowers pollinate and importance of pollinators*, G. Love
- ! Land Application Training School (Raleigh; May 5, 2015)
- Presentation: Agronomic Services for Land Application, M. McGinnis
- ! Junior Cattlemen (Statesville; Jun 22, 2015)
- Presentation: *Soil Testing and Interpretation*, D. Overcash
- ! Pamlico Farm Tour (Bayboro; Jul 16, 2015)
- Presentation: *Agronomic Services*, J. Searcy
- ! NCSU Tobacco Tour (Rocky Mount; Jul 21, 2015)
- *NCDA Boron Sufficiency Range Study*, C. Jernigan
- ! Cotton & Soybean Scouting Schools (Jackson, Jul 24, 2015)
- Presentation: *Cotton and Soybean Tissue Sampling Techniques*, M. Wilder
- ! Sandhills Strawberry Pre-Plant Meeting (Carthage, Jul 30, 2015)
- Presentation: *Summary of tissue analysis data from lab, and my observations of crop including fertility issues and diseases*, C. Lambert
- ! Biofuel Field Day (Mills River, Aug 27, 2015)
- Presentation: *Fertility Considerations for Canola*, S. Dillon
- ! Hoke County Master Gardener Training (Raeford; Sept 8, 2015)
- Presentation: *Soils and Fertilizer*, G. Love
- ! Pasquotank Small Grains Field Day (Elizabeth City; Sept 11, 2015)
- Presentation: *Are you utilizing our services?* A. Lassiter
- ! Peanut Pod Blasting Clinic (Conway; Sept 17, 2015)
- Presentation: *Peanut tissue sampling techniques, maturity evaluation using blast charts*, M. Wilder
- ! Waste Operator Certification Course (Statesville; Oct 14, 2015)
- Presentation: *Proper waste sampling techniques*, D. Overcash
- ! Union Elementary Kindergarten (Lincoln; Oct 20, 2015)
- Presentation: *Pumpkin Parts and Soil*, S. Dillon
- ! Voluntary Ag District Banquet (Bolivia; Oct 14, 2015)
- Keynote Presentation: *What's wrong with this picture?* G. Love
- ! Madison County Extension Meeting (Marshall; Oct 22, 2015)
- Presentation: *How to properly take a soil sample and read a soil test report*, C. Leek
- ! Interagency Pasture Training (Williamston; Oct 29, 2015)
- Presentation: *Agronomic Division Services*, J. Searcy

- ! Soil Sampling Workshop (Sylva; Nov 11, 2015)
— Presentation: *How to properly take a soil sample and read a soil test report*, C. Leek
- ! Interagency Pasture Training (Albermarle; Nov 9, 2015)
— Presentation: *Agronomic Division Services*, D. Overcash
- ! GAPS Fresh Produce Training (Bunn; Nov 12, 2015)
— Presentation: *Overview of agronomic services*, M. Wilder
- ! Interagency Pasture Training (Burlington; Nov 10, 2015)
— Presentation: *Agronomic Division Services*, R. Watson
- ! Interagency Pasture Training (Kenansville; Nov 16, 2015)
— Presentation: *Agronomic Division Services*, T. Hall
- ! North Carolina Certified Crop Advisor training (Smithfield; Dec. 8-10, 2015)
— Presentation: *Nematode Issues in Field Crops*, W.Ye.
- ! The North Carolina Agricultural Consultants Association (Raleigh, Dec. 2-4, 2015)
— Presentation: *Nematode management thresholds in NCDA&CS*, W. Ye.
— Presentation: *Yield Responses Based on Soil Test Index and Soybean Response to Sulfur*, D. Hardy.
- ! The 54th Annual Meeting of the Society of Nematologists (East Lansing, Michigan, July 19-24, 2015)
— Presentation: *Characterisation of, and entomopathogenic studies on, Pristionchus aerivorus (Rhabditida: Diplogastridae) from North Carolina, USA*, Weimin Ye.
- ! Eastern North Carolina Turfgrass Association meeting. (New Bern, March 19, 2015)
— Presentation: *Turfgrass Nematodes from North Carolina*, Weimin Ye.
— Presentation: *NCDA&CS Tissue and Water Testing for Turf Professionals*, K.A. Hicks
—Presentation: *Soil Test Interpretation*, D. Hardy.
- ! North Carolina Peach Growers Association Meeting (Carthage, NC; January 27, 2015)
— Presentation: *Plant Tissue Testing for Peaches*, K.A. Hicks.
- ! Central Carolina Community College Sustainable Agriculture program (Pittsboro, NC; November 30, 2015)
— Presentation: *NCDA&CS Agronomic Lab Service*, K.A. Hicks
- ! NC Cooperative Extension District Training Session (Mills River MHCR&EC, April 8, 2015; , Winston Salem Forsyth County Center, April 9th; Albemarle Stanly County Center April 13th; Rocky Mount East Carolina Ag & Ed Center, – April 14th; Kinston Lenoir County Center, April 17th)
— Presentation: *NCDA&CS Agronomic Lab Services*, K.A. Hicks.
- ! SSC 462 Soil – Crop Management Systems Lecture (Raleigh, April 14, 2015)
— Presentation: *Problem Solving Using Agronomic Services*, D. Hardy.

Research

Division staff routinely engage in cooperative studies with university personnel, farmers and industry specialists. In FY2015, cooperative research included the processing of 2,100 soil samples; 4,828 plant/waste/solution/media samples; and 2,046 nematode samples.

The **Soil Testing Section** cooperated in the following research projects during 2015:

- 1) Evaluation of NCDA boron sufficiency ranges for flue cured tobacco in cooperation with N.C. State Crop Science Department – Dr. David Hardy.
- 2) Cotton pH study evaluating calcitic lime as compared to dolomitic lime in cooperation with Drs. Carl Crozier and Jot Symth (N.C. State Soil Science Department) – Dr. David Hardy.

The **Plant/Waste Solution/Media Section** cooperated in the following research projects during 2015:

- 1) Evaluation of NCDA boron sufficiency ranges for flue cured tobacco in cooperation with N.C. State Crop Science Department – Dr. Kristin Hicks.

Dr. Weimin Ye and the **Nematode Assay Section** participated in the following research projects (2015):

- 1) Testing of a new nematicide for plant-parasitic nematode — Bayer Crop Science
- 2) Soybean variety test for *Meloidogyne enterolobii* — Monsanto
- 3) New nematicide trial for plant-parasitic nematodes on turfgrass— Bayer Crop Science
- 4) Nematode biodiversity for Duke Warming Chambers—Dr. Amanda Koltz, Duke University
- 5) Biology and management of sting nematode in golf course putting greens— NCSU, Dr. Jim Kerns
- 6) Molecular characterization and diagnosis of root-knot nematodes associated with turfgrasses in North Carolina, USA— NCSU, Dr. Jim Kerns, published in Plos One
- 7) Nematicide test on cotton nematode management —Mascarenhas, Victor and Connell, Will
- 8) Molecular diagnosis of plant-parasitic nematodes for various customers

The **Field Services Section** conducted or participated in at least six research and demonstration projects in 2015. These projects were designed primarily to optimize crop-fertilization and nematode-management efforts.

- 1) Evaluation of NCDA boron sufficiency ranges for flue cured tobacco – Dr. Michelle McGinnis, Chris Jernigan, Mike Wilder, Colby Lambert, Jacob Searcy, Tim Hall, Don Nicholson, Robin Watson, Adam Lassiter and Georgia Love.
- 2) On-farm assessment of nematode suppression in a soybean/grain sorghum/soybean rotation – Chris Jernigan
- 3) Evaluation of crop response with transplants grown in float water with and without added boron – Don Nicholson
- 4) Evaluation of nitrogen on two-row barley – Robin Watson
- 5) Assessing soil sampling methods for Frasier fir production – Dwayne Tate
- 6) Observation of plant tissue nutrients in corn and soybeans over the course of a growing season – Chris Leek

APPENDICES

Laboratory Tours for Calendar Year 2015

1. NCSU CCS 111 (17)	February 3, 2015
2. NCSU CCS 111 (23)	February 3, 2015
3. NCSU CCS 213 (14)	February 4, 2015
4. Tobacco Short Course Attendees (39)	February 4, 2015
5. Master Gardner (4)	February 5, 2015
6. FFA State Officers (4)	March 10, 2015
7. Wilson/Edgecombe County Master Gardeners (21)	March 19, 2015
8. NCSU SSC 201 (20)	March 24, 2015
9. NCSU SSC 201 (19)	March 25, 2015
10. NCSU SSC 201 (20) – morning	March 26, 2015
11. NCSU SSC 201 (22) – afternoon	March 26, 2015
12. Durham County Master Gardeners (25)	April 2, 2015
13. Wayne Community College Soils Class (32)	April 5, 2015
14. Brunswick Community College (12) – morning	April 28, 2015
15. Raleigh Garden Club (20) – afternoon	April 28, 2015
16. Wayne County Master Gardener (10)	April 30, 2015
17. New Hanover County Master Gardeners (10)	May 19, 2015
18. NCSU Tour (3)	June 3, 2015
19. Two agronomy students with Total Agronomic Services (2)	June 29, 2015
20. Carolina Soil representatives (3)	August 28, 2015
21. Brunswick County Master Gardeners (14)	September 17, 2015
22. Sam Brake and a home-schooled kid (4)	October 2, 2015
23. NCDA Plant Industry and USDA APHIS (8)	October 30, 2015
24. Catawba County Community College Soils Class (15)	October 22, 2015
25. NCSU CS 211 (29) – morning	October 27, 2015
26. NCSU CS 211 (25) – afternoon	October 27, 2015
27. NCSU CS 213 (25)	October 28, 2015
28. Alamance County Master Gardeners (25)	October 28, 2015
29. NCSU SSC 201 (19)	November 3, 2015
30. NCSU SSC 201 (18)	November 4, 2015
31. NCSU SSC 201 (19) – morning	November 5, 2015
32. NCSU SSC 201 (13) – afternoon	November 5, 2015
33. NCSU PP502 class (~15)	November 9, 2015
34. Regional agronomist and Cumberland extension agent (2)	November 13, 2015
35. Wayne County Community College Soils Class (20)	December 10, 2015

Professional Publications (external) for Calendar Year 2015

1. Hicks K., McGinnis M. 2015. Strawberry Fertility Management. Ch. 8 in Strawberry Plasticulture: A Grower's Guide to Production, Economics and Marketing.

2. Huang, R.E., Ye, Weimin, Ren, X. & Zhao, Z. 2015. Morphological and molecular characterization of *Phasmarhabditis huizhouensis* sp. nov. (Nematoda: Rhabditidae), a new rhabditid nematode from South China. PlosOne. 10(12): e0144386. doi:10.1371/journal.pone.0144386
3. Ye, Weimin, Zeng, Y. & Kerns, J. 2015. Molecular characterization and diagnosis of root-knot nematodes (*Meloidogyne* spp.) from turfgrasses in North Carolina, USA. PlosOne. November 24, 2015. DOI: 10.1371/journal.pone.0143556
4. Wang, H., Zhuo, K., Ye, Weimin & Liao, J. 2015. Morphological and molecular characterisation of *Pratylenchus parazeae* n. sp. (Nematoda: Pratylenchidae) parasitizing sugarcane in China. European Journal of Plant Pathology. DOI 10.1007/s10658-015-0674-z
5. Zeng, Y., Ye, Weimin, Kerns, J., Martin, S., Tredway, L. & Martin, M. 2015. Molecular characterization and phylogenetic relationships of plant-parasitic nematodes associated with turfgrasses in North Carolina and South Carolina, USA. Plant Disease 99 (7): 982-993.
6. Ye, Weimin, Yu, Q., Kanzaki, N., Adams, P.R. & Cardoza, Y.J. 2015. Characterisation of, and entomopathogenic studies on, *Pristionchus aerivorus* (Rhabditida: Diplogastridae) from North Carolina, USA. Nematology 17 (5): 567-580.
7. Ye, Weimin, Zeng, Y. & Kerns, J. 2015. First report of *Trichodorus obtusus* on turfgrass in North Carolina, USA. Plant Disease 99 (2): 291. <http://dx.doi.org/10.1094/PDIS-08-14-0830-PDN>.
8. Ye, Weimin, Zeng, Y. & Kerns, J. 2015. First report of *Trichodorus obtusus* on turfgrass in North Carolina. Golf Course Management February 129-130. <http://www.gcsaa.org/gcm-magazine/2015/february/disease-updates>
9. Zhao, Z.Q, Li, D.M., Davies, K.A. & Ye, Weimin. 2015. *Schistonchus zealandicus* n. sp. (Nematoda: Aphelenchoididae) associated with *Ficus macrophylla* in New Zealand. Nematology 17 (1): 53-66.

News Releases and Interviews for Calendar Year 2015

1. Soil Testing Fee Coming to a Seasonal End (radio interview, David Hardy on SFN) Mar 19, 2015
2. Recent heat effects on corn (specifically) and other crops in general (radio interview, Don Nicholson on SFN) Jun 18, 2015
3. Heat wave/drought conditions on all crops (radio interview, Don Nicholson on SFN) Jul 22, 2015
4. How drought is effecting the western piedmont (radio interview, Daniel Overcash on Charlotte's Morning Talk) Aug 10, 2015
5. Drought effects on crops (radio interview, Don Nicholson on UNC Radio) Aug 19, 2015
6. Tobacco (specifically) and other crops struggles with drought/heat conditions (radio interview, Don Nicholson SFN) Sept 2, 2015
7. Rains compounding problems with tobacco crop (radio interview, Don Nicholson SFN) Oct 5, 2015
8. How recent rains have impacted crops (interview, Georgia Love and Robin Watson for Synapse Magazine / The Daily Tarheel) Oct 6, 2015
9. Frost/freeze damage to crops (radio interview, Don Nicholson on SFN) Oct 21, 2015
10. Window for free soil sampling through NCDA quickly coming to a close (radio interview, David Hardy on SFN) Nov 5, 2015
11. Status of crop damage still not known one month after Hurricane Joaquin (interview, Georgia Love for Synapse Magazine / The Daily Tarheel) Nov 7, 2015
12. Poor condition of soybean crop (TV interview, Tim Hall on WECT News 6 – Wilmington) Nov 20, 2015
13. Winter crop status (email interview, Don Nicholson with WRAL-TV) Dec 29 2015

Educational Exhibits for Calendar Year 2015*

1.	NC Blueberry Council Trade Show & Open House (Clinton)	Jan 13–14, 2015
2.	NC Apple Growers (Asheville)	Jan 13–14, 2015
3.	Green & Growin' Show (Greensboro)	Jan 8–9, 2015
4.	Joint Conference (RTP)	Jan 14–16, 2015
5.	NC Muscadine Grape Growers Association (Winston-Salem)	Jan 22, 2015
6.	NC Forage and Grasslands Council (Canton)	Jan 29, 2015
7.	Southern Farm Show (Raleigh)	Feb 4–6, 2015
8.	Organic Commodities & Livestock Conference (Rocky Mount)	Feb 12, 2015
9.	Southern Piedmont Local Food Producers Conference & Trade Show (Monroe)	Feb 24, 2015
10.	Vegetable/Tomato Conference (Asheville)	Feb 25–26, 2015
11.	NC Christmas Tree Association (Boone)	Feb 26–27 2015
12.	NC Commercial Blackberry and Raspberry Growers Association Meeting (Shelby)	Mar 11, 2015
13.	Mountain Research Station Beef Field Day (Waynesville)	Jun 18, 2015
14.	Stokes County Farmer Appreciation Day	Apr 9, 2015
15.	Green & Growing Summer Show (Hickory)	Aug 12, 2015
16.	Tomato Field Day (Mills River)	Aug 13, 2015
17.	Working Forest Summit (Carthage)	Aug 10, 2015
18.	NC Christmas Tree Growers Assn. Summer Meeting (Sparta)	Aug 28-29, 2015
19.	Caldwell County Nurserymen Field Day (Lenoir)	Sept 18, 2015
20.	1st Annual Cultivating Profits with Small Scale Farming Conference (Fayetteville)	Oct 16, 2015
21.	NC Greenhouse Vegetable Growers Conference	Oct 27-28, 2015
22.	Southern States Farmer Appreciation Day (Rockingham)	Nov 6, 2015
23.	Strawberry Expo (Charlotte-Concord)	Nov 16-18, 2015
24.	Bio-Energy Conference (Statesville)	Dec 10, 2015

* This list may not include all uses of personal display boards by regional agronomists at local/area meetings.

Personnel Changes for Calendar Year 2015 (permanent staff)

Processing Assistant III (#60011783)

September 2014 – April Fore resigned

February 2015 – Matthew Davis hired

Processing Assistant III (#60011772)

November 2014 – Deborah Green resigned

April 2015 - Jennifer Johnson hired

Chemistry Technician I (#60011791)

February 2015 — Andrew Young resigned

April 2015— Joshua Peavey hired/promoted from #60011805

Research Technician (#60011805)

April 2015 — Joshua Peavey resigned/promoted to #60011791

August 2015 – Jensen McLamb hired

Nematology Technician (#60011812)

March 2015 — Suzanne Ghali retired

June 2015 — David Allgood hired

Business Technology Application Analyst/Journey (#60011779)

March 2015 — Position formerly held by Catherine Stokes (Information & Communication Specialist II); reallocation approved by OSHR

June 2015 – Jeff Vitalis hired

Research Technician (#60011804)

May 2015 — Dominic Gallaway resigned

October 2015 –Taylor Hardy hired

Agronomist (#60011796)

June 2015 — Aaron Pettit resigned

August 2015 – Hunter Landis hired

Chemistry Technician III (#60011799)

August 2015 — Craig Hoover resigned

October 2015 – Rodney McKoy hired/transferred from #60011792

Chemistry Technician III (#60011792)

October 2015 – Rodney McKoy resigned/transferred to #60011799

December 2015 – Michael Jennette hired/promoted from #60011787

Chemistry Technician I (#60011787)

December 2015 – Michael Jennette resigned/transferred to #60011792

February 2016 – position remains vacant

Chemistry Technician III (#60011789)

December 2015 — Ron Boisvert retired

February 2016 – Rohan Mohammed hired/promoted from #60011790

Regional Agronomist, Region 1 (#60011818)

October 2015 – Adam Lassiter resigned

February 2016 – position remains vacant