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BLUE LETTER

May 2018
No. 3793



Spring gives a boost to Extension activities

May has arrived with a “Ker-thunk,” and I continue to admire the consistency, dare I say uniformity, of Arkansas weather patterns each year. I dare not.

April and May bring substantial seasonal outdoor activity for Cooperative Extension Service programs and personnel, and this growing season appears to be off to a rollicking start. A couple of weeks back, I drove through the southeast part of the Delta on my way to the southern region Extension Directors meeting in Alabama, and crops were getting started in spite of a bit too much rainfall and cool temperatures. Things are certainly catching up now.

Speaking of the Extension Director’s meeting, we noted the departure of Dr. Doug Steele at Texas A&M, moving from Extension Director to leadership of the outreach effort for the Borlaug Institute. We welcomed Dr. Damona Doye as new Extension Director at Oklahoma State. My take on our discussions was that all of the southern land grant extension services have mostly the same challenges as well as opportunities, but we remain united by a commonality of purpose – the Land Grant mission. This is still an important, most would say truly great, mission to better our respective states, the nation and our people’s lives. In addition, I always feel better about being lucky enough to work in Arkansas after one of these meetings.

Meanwhile, back in Arkansas while I was out and about, Martha Ray Sartor and staff and 4-H youth were participating in an event celebrating the Congressional Awards program in Little Rock with Gov. Hutchinson. I heard from several involved that this was a very worthwhile and positive event, and that our youth were inspirational, as we have come to expect. I greatly

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Congressional Awards Kick-Off and Day of Service at Governor's Mansion

Recently, 60 Arkansas 4-H members participated in the Congressional Awards Arkansas Kick-Off and Day of Service event.

Held in conjunction with Global Youth Service Day on April 21, 4-H'ers gathered at the 4-H Center to pack hygiene bags for military service members abroad and attended a reception at the Arkansas Governor's Mansion. Dignitaries in attendance included Arkansas Gov. Asa Hutchinson, U.S. Senator John Boozman, former U.S. Secretary of Transportation Rodney Slater and Arkansas State Representative Warwick Sabin.



Pictured are Arkansas 4-H members at Governor's Mansion for the inaugural Congressional Award Kick-Off event with various members of the Congressional Awards program Board of Directors. Also, seated are former U.S. Secretary of Transportation Rodney Slater (left) and U.S. Senator John Boozman (right). (Photo courtesy of Governor's Office.)

The first of its kind in Arkansas, the Congressional Awards event allowed 4-H members to see how their 4-H service and leadership makes an impact in their lives and in the lives of others. Aligning with the 4-H Mission Mandates of Citizenship/Leadership, 4-H Science and Healthy Living, the Congressional Award focusses on voluntary public service, personal development, physical fitness and expedition/exploration. Counties participating in the event included White, Ashley, Montgomery, Jefferson, Perry, Monroe, Mississippi, Saline, Benton, Pulaski and Lee.

The Congressional Award is the United States Congress' highest honor bestowed upon youth civilians through the Senate and House of Representatives. Established by Congress as a public-private partnership in 1979, the program recognizes initiative, service and achievement in youth ages 13½ through 23. ■

Young Cattlemen begin farmers and ranchers program in Hot Spring and Carroll counties

Olivia Foster, Carroll County staff chair, and Rachel Bearden, Hot Spring County staff chair, developed a curriculum program to target several of their newer producers who were sometimes scared to ask the "dumb" questions in streamlined programs or at a Cattlemen's meeting.

They developed the curriculum as a 101-style course for producers new to the cattle industry, but left it open for adjustment to other production types as well. The class size was maxed out at 15 and 25 to keep the group comfortable and build relationships.

The objective was give each producer introductory knowledge to get their operation started in the right direction, make them more comfortable in a room of fellow producers and make them aware of resources to stay connected.

Meeting topics were community resources, financial opportunities, herd management, livestock nutrition, forage management, pest management and marketing. Each class has some hands-on activity, along with traditional presentations.

At the beginning of the program, county agents toured each participant's farm and developed a plan to make their operation more profitable and sustaining through best management practices. ■



Hot Spring County participants learning the basics of cattle handling and vaccinations.

Collaborative efforts lead to plans for 4-H and animal science education building in Nevada County

Over the past 18 months, Darren Neal, Nevada County Extension agent - staff chair, has been involved in a collaborative effort with the Prescott School District to establish an in-school 4-H club and farm on the high school campus.

On April 26, 2018, at the Prescott - Nevada County Chamber Banquet, Percy Malone, owner of Allcare Pharmacies, presented a check for \$50,000 to the Prescott School District to construct a new 40' x 80' barn to be used for animal science education and 4-H youth projects.

Malone said, "If we can't invest in our young people, what should we invest in?" ■



From left to right, Darren Neal, Nevada County staff chair; Fred Harris, Allcare Pharmacy; Robert Poole, Prescott School District superintendent; and Percy Malone, Allcare Pharmacy.

Food Systems and Safety Team welcomes two new program associates

In the upcoming months, the two new program associates will be assisting with the continuing roll out of Produce Safety Alliance Grower Trainings throughout the state.

Josh Hardin hails from Grady, Arkansas, and owns a small acreage farm which utilizes sustainable agricultural practices. With more than a decade of on-farm experience and an Agriculture Education degree from UAPB, he has a diverse range of technical expertise on produce production and maintains innumerable connections within the local food system. He is also an advocate for Beginning Farmer programs and diverse regional fresh produce markets.

Angela Gardner graduated from the Bumpers College of Agriculture at UA Fayetteville and has a background in watershed management, garden education and food preservation. She enjoys eating seasonal fruits and vegetables and supporting the growth of local foodways. She is interested in place-based initiatives to develop shared-use facilities for growers and entrepreneurs to create value-added products.

They are both excited to join the Extension family and help produce growers navigate the Food Safety Modernization Act Produce Safety Rule implementation. Stop by their office and say hello!



Josh Hardin



Angela Gardner

New DD50 is live!
<https://dd50.uaex.edu/>

Summary Reports

- Emergence Dates Report
- Flooding Dates Report
- Half Inch IE Dates Report
- 80 Percent Heading Report
- Harvest Dates Report

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Upcoming Tech Tuesday Webinars

- ▶ Tuesday, June 12: **Mobile AIMS** (Diane Mashburn)
- ▶ Tuesday, July 10: **App vs. Mobile** (Amy Cole and Steven Hefner)

Second Tuesday of every month, starting at 9:00 AM / To view the recordings, visit <https://uaex.edu/techtuesdays>

New Chronic Pain Self-Management Program

Chronic pain is one of the major factors contributing to opioid misuse and abuse. The Chronic Pain Self-Management Program, or CPSMP, is a six-session evidence-based program developed for people who have a primary or secondary diagnosis of chronic pain.

CPSMP is currently offered in four counties funded by a USDA Rural Health and Safety Education grant: Hot Spring, Clark, Montgomery and Ouachita. Sessions are facilitated by two trained leaders, one or both of whom may be peers with chronic pain themselves.

The sessions address: 1 techniques to deal with problems such as frustration, fatigue, isolation and poor sleep; 2 appropriate exercise for maintaining and improving strength, flexibility and endurance; 3 appropriate use of medications; 4 communicating effectively with family, friends and health professionals; 5 nutrition; 6 pacing activity and rest; and 7 how to evaluate new treatments.

Kristal Draper and JoAnn Vann, both county Extension agents for Family and Consumer Sciences, started conducting CPSMP sessions in Malvern in April. The first weekly session doubled as a site visit for national program leader for family and community health, Ahlshia J. Shipley, Ph.D, CFLE, CFCS, with the Division of Family and Consumer Sciences National Institute of Food and Agriculture at USDA.

Dr. Shipley said of the program, "From listening to the participants and their experiences with chronic pain, I definitely feel the Chronic Pain Self-Management Program and the future Move with Ease component will be valuable to them. One of the participants' stories was very emotional and sad, to the point where I teared up myself. Being able to achieve optimal health is everything, and the information and the strategies Kristal and JoAnn are sharing will empower these individuals to do just that."

We are very proud to be a part of this wonderful program under the direction of our Health Specialist, Dr. Lisa Washburn, who approached us last summer about bringing this program to our counties. To lead the CPSMP, agents and volunteers in the four targeted counties completed four days of training in January at the Hot Spring County 4-H Youth Center in Malvern. ■



Kristal Draper and JoAnn Vann conduct a CPSMP session.

Animal Science hosts 2018 Awards and Scholarship Banquet

The Department of Animal Science hosted its annual Animal Science Awards and Scholarship Banquet on Tuesday, April 24, at the Pauline Whitaker Animal Science Center.

Honored at the banquet were students who received scholarships for the 2018-2019 academic year, graduates of distinction, outstanding students, American Society of Animal Science scholastic achievers and Department of Animal Science club officers and team members. This year, the Department presented almost \$50,000 in scholarships to 50 students.

The banquet was hosted by the Animal Science REPS (Representing, Promoting and Educating Scholars) group, which, this year, consisted of Shelby Lowery, Kelsey Treichler, Amy Frank, Ashley Finney, Mersady Redding, Sophia Mauldin, Shannon Leonard, Bailey Carpenter, Holley Herndon and Kelsey Johnson.

The Graduate of Distinction Awards recognize Animal Science alumni who have impacted the field of animal science, contributed to their community and serve as role models for current and future animal science students. The 2018 recipients are: Advanced Graduates of Distinction – Dr. Ellen Davis and Michelle Caldwell; Graduate of Distinction – Dr. Rebecca Simon; Friend of the Department – the Bogle Family. Awardees are commemorated with plaques in the Agricultural, Food and Life Sciences building.

The banquet was attended by more than 150 students, faculty, staff and family members. The Department hopes to recognize even more students and alumni in 2019. ■



Michael Looper, head of the Department of Animal Science, presents the Graduate of Distinction award to Michelle Caldwell.

Bringing 4-H clubs to the classroom

Over the past decade, research has seen a decline in students pursuing degrees in STEM-related careers as well as a decline in soft skill development. 4-H provides many opportunities for school-age children and teens to experience STEM programs and soft skill development in the classroom, thus enhancing their success rate into adulthood.

To encourage students to pursue further knowledge in STEM and soft skill development, the Baxter County 4-H program has established a partnership with the Mountain Home School System to implement STEM clubs in the fourth grade, a leadership development club in junior high and a career development club in high school. Currently, 287 fourth-grade students, 39 junior high and 29 high school students are participating in organized 4-H project club meetings targeting STEM projects and soft skill development. ■



Fourth-grade students from Mrs. Clarke's class at Hackler Intermediate school in Mountain Home. They are participating in "4-H2O," National Science Experiment connecting water quality to climate change.

Beef and Forage Clinic for Hot Spring, Clark, Pike, Montgomery and Garland counties

Every spring Hot Spring, Clark, Pike, Montgomery and Garland counties get together to host the Annual Beef and Forage Clinic at Cattlemen's Livestock in Glenwood. On April 30, over 50 producers gathered at the Sale Barn to cover ranching skills, the market outlook and toxic plants.

Steven McGrew provided cattle to be used for the hands-on demonstrations. Producers got hands-on practice in ranching skills. Garland County extension agent Jimmy Driggers taught hot branding and tail bleeding, and Nevada County extension agent Darren Neal taught freeze branding.

Rachael Godwin and Jordan Pearce of Farm Credit Services of Western Arkansas provided dinner for participants. Following dinner, Dan Childs from the Noble Research Institute spoke with producers about the current cattle market situation and outlook. County agents Terrell Davis, Rachel Bearden, Randy Black and Amy Simpson also spoke with producers concerning toxic weeds.

Not only did over 90 percent of producers find the presentations useful, 100 percent of producers reported that they planned to implement some of the practices covered, with tail bleeding being the favorite. ■



Garland County extension agent Jimmy Driggers shows Dianna Davidson, Hot Spring County producer, how to draw blood from a tail.

Fun on the farm!



Ag agent Matt Fryer speaks about strawberries.

The Crawford County Extension Office participated in our annual Fun on the Farm Ag Awareness event at Randy Arnold's farm in Alma on April 17-19. Approximately 950 elementary students, representing every elementary school in the county, attended.

Students who participated this year got to learn about strawberries, hug Smokey Bear, make butter from goats' milk, learn about bees from Danny Brewer of the Arkansas Plant Board, milk a wooden cow and learn about sheep and goats from two senior 4-H and cloverbud members. ■



Cloverbud Madelyn C. and senior 4-H member Evan S. talk about sheep and goats.

ACAAA recognizes award winners

The Arkansas County Agricultural Agents Association, ACAAA, held their annual meeting and professional improvement conference March 28-30, 2018, at Fairfield Bay. ACAA president and Van Buren County extension agent Danny Griffin hosted the meeting.

The meeting included tours of Wade Lucas Farms strawberry operation and Rabbit Ridge Farms pasture raised beef, pork and poultry farm. During the annual awards banquet several members were recognized for their outstanding program work.

The highest awards given by ACAA are the Achievement and Distinguished Service Awards. The **Achievement Award** winners included Jennifer Caraway, Brian See and Jenny Ross. **Distinguished Service Award** winners were Chris Grimes, Stewart Runsick and Bob Scott. The **Excellence in 4-H Programming Award** went to Rachel Bearden, and the **Young Professionals Award** was given to Terrell Davis.



Left to right, ACAA president Danny Griffin with award winners Jenny Ross, Jennifer Caraway, Brian See, Stewart Runsick, Chris Grimes and Bob Scott.

Other awards given included:

Communications Awards:

Audio Recording – Rachel Bearden
Published Photo and Caption – Rachel Bearden
Computer Generated Graphics Presentation – Colin Massey and Jane Maginot
Program Promotional Piece – Jesse Bocksnick
Personal Column – Sherry Beaty-Sullivan
Feature Story – Colin Massey
Newsletter, Individual – Terrell Davis
Newsletter, Team – Stewart Runsick and Allison Howell
Video Presentation – Terrell Davis
Fact Sheet – Jesse Bocksnick
Publication – Rebecca J. McPeake
Web Site – Colin Massey

Learning Module – Rachel Bearden
Bound Book – Kevin Lawson and Kevin VanPelt
Agricultural Awareness and Appreciation Award – Jennifer Caraway

Search for Excellence Awards:

Search For Excellence in Sustainable Agriculture Recognition Program – Stewart Runsick
Search For Excellence in Crop Production – Allison Howell
Search For Excellence in Farm and Ranch Financial Management – Rachel Bearden
Search For Excellence in Young, Beginning, or Small Farmers/Ranchers – Rachel Bearden and Olivia Foster
Search For Excellence in Environmental Quality, Forestry and Natural Resources – Jennifer Caraway

For more information on how to be involved with the ACAA contact President Danny Griffin at (501 745-7117 or visit <https://uaex.edu/about-extension/professional-organizations/acaaa/>. ■

Speaker to describe six key elements of Turn Around Communities



Becky Cleveland

Community leaders in Brookfield, Missouri, have been very creative in bringing their community back from very difficult circumstances, and Arkansas community leaders have an opportunity to hear that terrific story on June 6 at the 2018 Breakthrough Solutions Pre-Conference Workshop in Little Rock. Becky Cleveland, executive director of Brookfield Area Growth Partnership in Brookfield, lead speaker at the workshop, will describe six key elements of their turn-around strategy to bring their community back.

The workshop theme is “Turn Around Communities in the 21st Century” and will include an Arkansas community leader panel identifying turn around strategies and a challenge from Mountain Home community leaders. Workshop participants will then develop turn around strategies to address key challenges facing Mountain Home.

“The insights from Ms. Cleveland, our panel and addressing issues in Mountain Home will be invaluable for all communities across Arkansas,” said Mark Peterson, professor of Community and Economic Development with the Cooperative Extension Service.

The Breakthrough Solutions Conference follows on June 7, with the theme “Strengthening the Opportunity Pipeline for Community / Region.” You can register before the early bird registration deadline of May 24, 2018, by going to www.bit.ly/BTSConference2018. For more information, contact breakthroughsolutions@uaex.edu, 501-671-2253. ■

Growing youth leaders in Mississippi County

Mississippi County 4-H Youth Leadership Program selects six juniors from each of the county’s six public school districts with the ultimate goal of developing youth’s leadership and “soft” skills. This year-long program helps participants achieve personal, career and academic growth and goals.

Each month, YLP participants meet for a five-hour workshop covering a multitude of leadership topics and service-learning project work. Workshop topics included trust and teambuilding, a personality assessment, diversity in communication, setting S.M.A.R.T. goals, leadership styles, service learning and more. Youth rotate locations for each workshop, giving them the opportunity to network and foster collaboration among all the schools.

This year’s YLP graduates included 42 youth who each gained 30 educational hours amounting to 1,260 combined hours dedicated to leadership development. Youth formed project teams and gained first-hand leadership experience through a service-learning project of their choosing.

They brainstormed, planned, organized and implemented their team service-learning projects. The seven service-learning projects selected ranged from a combat bullying with kindness campaign to raising money for a desperately needed school hydration station. All service projects included an educational teaching component to reinforce leadership and soft skills. ■



Participants in the Mississippi County 4-H Youth Leadership Program complete six leadership workshops, a service-learning project, a culminating essay and a group presentation. Three scholarships are awarded based on an individual’s performance in all components. This year’s scholarships went to Davis S. (\$1,000) of Home Life Academy, Madison B. (\$500) of Manila High School and Amber B. (\$250) of Rivercrest High School.

2018 FFA AgriScience Fair Soybean Science Challenge Award

The 2018 FFA Soybean Science Challenge student research winner was announced at the Agriscience Fair held during the FFA State Convention in Hot Springs on April 25. This was the first year FFA participated in the Soybean Science Challenge, with 10 percent of their science fair projects judged for the Soybean Science Challenge award.



Soybean/wheat verification coordinator Chad Norton (left) judges Emerson High School student researcher Preston Flow (center) for the Soybean Science Challenge Award at the FFA AgriScience Fair, as Soybean Science Challenge director Dr. Julie Robinson (right) listens.

Extension assistant professor Dr. Julie Robinson presented the \$300 award on behalf of the Arkansas Soybean Promotion

Board to Preston Flow, 16, a junior at Emerson High School. Preston also received first place in Plant Systems at the Agriscience Fair. His project title was “How does soil pH affect soybean emergence?”

Regional SSC awards were presented across Arkansas, including ASU-Jonesboro, Hot Springs-ASMSA and ORM-SEF, UALR-Little Rock, UA-Fayetteville, UA-Monticello and SAU-Magnolia.

Regional SSC student research winners were Autumn Bates, Arkansas School for Mathematics, Science and Arts; Sarah Millikan, Ocoea High School, Claire Webre, Parkview Magnet High School; Molly Reeves, Alma High School; Brigitte Crowe, Poyen High School; Natalie Blake, Ridgway Christian High School and Taylor Orrell, Emerson High School. The Soybean Science Challenge State Award was presented to Natalie Blake, Ridgway Christian High School at UCA in Conway on March 31. ■

What’s new in publications? Find out at:
<http://www.uaex.edu/publications/new.aspx>

BENEFITS CORNER

Family and Medical Leave Act (FMLA)

Unpaid, job-protected leave is available to eligible employees through the Family and Medical Leave Act (FMLA). If possible, when you are absent for three or more consecutive working days due to illness or injury, you or a family member should contact the Human Resources Office.

Supervisors **are required** to provide notification to the Human Resources Office on the third (3rd) consecutive working day that an employee is absent due to illness or injury to assure the employee receives the appropriate notice of FMLA entitlement and does not fall into an unapproved leave without pay status that might jeopardize employment.

Leave Without Pay (LWOP) Guidelines

In unusual medical emergencies, an employee who is not eligible for FMLA may be considered for LWOP by submitting **in advance** a written request with justification for such leave and a completed EBEN-327, Request for Leave Form. After administrative approvals are obtained, the request and EBEN-327 are sent to the Director of Human Resources for review and recommendation to the Associate Vice President for Agriculture-Extension, who makes the final decision.

For further information, email yourbenefits@uaex.edu or call 501-671-2219. ■

Please keep your address updated in Banner.

Spring gives a boost to Extension activities, cont.

appreciate the leadership of Dr. Sartor. We should stay tuned about this program, as I expect several of our young people to be very competitive for these awards.

Speaking of 4-H, I also commend the exceptional work of Jesse Bocksnick as he moves forward with the ATV and Shooting Sports/Safety programs. His focus on modernization, professional standards and his powerful work ethic are really hard to match. If I wore a toupee, I would tip it to Jesse for job well done, but a high five will have to do.

In further regard to excellence, professionalism and hard work, I note the extensive strategic focus of the redesigned APAC program thanks to Melanie Berman and staff in CED. This program quietly and persistently assists Arkansas businesses secure contracts with federal agencies and others, to the tune of a couple hundred million dollars per year. That is a very important and positive impact to our state, often unnoticed publicly, but appreciated greatly by many stakeholders nonetheless.

Each year brings its own challenges and opportunities, and certainly 2018 will offer its share of interesting surprises. In this regard, I hope you read the pleasant note from Dr. Cochran regarding the July 1 salary program, that is, the “raise to your base salary that is coming.” I sincerely hope that this is the first of several positive developments for 2018, so fingers crossed.

One of the great things about our programs and colleagues is that there is so much going on that is great and positive, and in the next *Blue Letter* I plan to “high-five” other examples. I certainly could write an opus each time on our successes, and I hope that you are making sure that your success is very visible – I am proud of each of you, and certainly honored to be your director.

I hope you have a wonderful and fulfilling May.

– Rick Cartwright



Event Calendar

May 31 to June 2 – State Master Gardener Conference, Fort Smith

June 5 – Registered Forester Training, UA-Hope and Texarkana, Hope

June 5 and 6 – Extension Homemaker State Conference, Hot Springs

June 6 and 7 – 2018 Breakthrough Solutions Conference and Pre-Conference Workshop, Little Rock State Office

June 7-8 – Mid-South Agricultural and Environmental Law Conference, Memphis, Tennessee

July 4 – Holiday: Independence Day

July 12 – Peach Field Day at Fruit Research Station, Clarksville (details pending)

July 13 – Conversations With Cartwright Webinar

July 25 – 2018 Turf Field Day at Arkansas Research and Extension Center, Fayetteville (details pending)

August 3 – Rice Field Day, Rice Research and Extension Center, Stuttgart

August 8 – 2018 Soybean College, Newport Extension Center, Newport

September 3 – Holiday: Labor Day

September 6 – Muscadine Field Day, Fruit Research Station, Clarksville

September 15-18 – Direct Agricultural Marketing Summit, Arlington, Virginia

December 3 – State Faculty Conference, Little Rock State Office ■

Personnel changes

Please welcome the following:

Katy Campbell, Program Tech - EFNEP/Food Safety, Family and Consumer Sciences, effective April 2, 2018.

Carol Dodson, Administrative Specialist, 4-H and Youth Development, effective March 16, 2018.

Kenneth Hale, Program Associate - Rice Agronomy, Crop, Soil and Environmental Sciences, effective March 26, 2018.

Josh Hardin, Program Assistant - Food Systems and Safety, Associate Director - Agriculture and Natural Resources, effective March 16, 2018.

Megan Wells, County Extension Agent - Family and Consumer Sciences, Pulaski County, effective March 16, 2018.

Jeffrey Works, County Extension Agent - Agriculture, Poinsett County, effective March 16, 2018.

Extension says goodbye to:

Paul Ballantyne, Program Tech, Crop, Soil and Environmental Sciences, effective April 30, 2018.

Ruth Cook, EFNEP Program Assistant, Hempstead County, effective April 18, 2018.

Nicole McRaven, 4-H Program Assistant, Hempstead County, effective April 13, 2018.

Renee Myers, County Extension Agent - Staff Chair, Marion County, effective April 30, 2018.

Jeremy Sutterfield, Maintenance Specialist, Associate Director - Agriculture and Natural Resources, effective April 24, 2018.

Rebecca Thomas, County Extension Agent - Agriculture, Faulkner County, effective April 2, 2018.

Grants and Contracts for Month Ending April 30, 2018

Project Title	Award Amount	Principal Investigator	Granting Agency
Cereal Rye Termination Timing	\$ 12,000	Bill Robertson	Cotton Incorporated
Evaluation of Cotton Yield to In-Season Soil-Applied Potassium	8,000	Bill Robertson	Cotton Incorporated
A Team Approach to Weed Management in Soybeans 2018-2019	55,651	Bob Scott	Soybean Promotion Board
Attachment A-2 Project/Testing Protocol	11,340	Bob Scott	BASF Corporation
Weed Management in Rice	97,662	Bob Scott	Rice Research Promotion Board
Xtend Soybean System Comparison -South	18,980	Bob Scott	Monsanto Company
Development of Integrated Management Strategies for Redbanded Stink Bug in Soybean	6,066	Glenn Studebaker	Soybean Promotion Board
Insect Management in On-Farm Grain Storage	4,683	Glenn Studebaker	Corn & Grain Promotion Board
Cotton BG4 Open Field Efficacy Trial (SO 91)	70,000	Gus Lorenz	Monsanto Company
Developing a Threshold for Armyworms in Rice	21,646	Gus Lorenz	Rice Research Promotion Board
Insect Control in Grain Sorghum	8,500	Gus Lorenz	Corn & Grain Promotion Board
Insect Management in Mid-South Pest Management: Arkansas (Dr. Gus M. Lorenz)	45,000	Gus Lorenz	Cotton Incorporated
Insect Management in On-Farm Grain Storage	6,695	Gus Lorenz	Corn & Grain Promotion Board
Rice Stink Bug Damage Assessment in Grain Sorghum	10,000	Gus Lorenz	Corn & Grain Promotion Board
Rice insect control	35,000	Gus Lorenz	Rice Research Promotion Board
Small Plot Trecepta Evaluations for Yield and Efficacy in the Coastal Region	10,640	Gus Lorenz	Monsanto Company
Agronomic Production Practices for Rice	126,000	Jarrold Hardke	Rice Research Promotion Board
Agronomics of Alternative Irrigation Strategies	110,000	Jarrold Hardke	Rice Research Promotion Board
Arkansas Rice Performance Trials	78,000	Jarrold Hardke	Rice Research Promotion Board
Continuation of the DD50 Program to Include Seeding Date Affect on Grain Yield and Development of New Cultivars	73,000	Jarrold Hardke	Rice Research Promotion Board
Economics of Fungicides Application for Sheath Blight Disease of Rice	1,500	Jarrold Hardke	Rice Research Promotion Board
Rice Research Verification Program	179,761	Jarrold Hardke	Rice Research Promotion Board
Suboptimal Conditions Affecting Nitrogen Management	25,000	Jarrold Hardke	Rice Research Promotion Board
Understanding Autumn Decline – H2S Pathology	300	Jarrold Hardke	Rice Research Promotion Board
Corn and Grain Sorghum Verification Program	120,000	Jason Kelley	Corn & Grain Promotion Board
Developing Profitable Irrigated Rotational Cropping Systems	12,000	Jason Kelley	Corn & Grain Promotion Board
Developing Profitable Irrigated Rotational Cropping Systems for Arkansas	15,900	Jason Kelley	Soybean Promotion Board
Evaluation of Differences in Fixed and Flex-Ear Corn Hybrids	15,500	Jason Kelley	Corn & Grain Promotion Board
Evaluation of High Input Practices to Increase Corn and Grain Sorghum	25,000	Jason Kelley	Corn & Grain Promotion Board
Arkansas Soybean College	11,240	Jeremy Ross	Soybean Promotion Board
Arkansas Soybean Yield Gap Survey	4,507	Jeremy Ross	Soybean Promotion Board
Development of a New and Improved Staging System for Soybean	2,574	Jeremy Ross	Soybean Promotion Board
Soybean Research Verification Program 2018-2019	150,500	Jeremy Ross	Soybean Promotion Board
Yield Response of Early and Late Planted Soybean to N Fertilizer and Inoculant	504	Jeremy Ross	Soybean Promotion Board
2018 NRA Foundation Multi-County 4-H Shooting Sports Cash Awards	31,482	Jesse Bocksnick	NRA Foundation
4-H Shooting Sports Instructor Training 2018	2,500	Jesse Bocksnick	NRA Foundation
4-H Shooting Sports Range Events State Competition 2018	30,000	Jesse Bocksnick	NRA Foundation

(Continued on page 11)

Grants and Contracts for Month Ending April 30, 2018 (cont.)

Project Title	Award Amount	Principal Investigator	Granting Agency
National 4-H Shooting Sports Championships 2018	15,000	Jesse Bocksnick	NRA Foundation
Arkansas Soybean Yield Gap Survey	12,893	Julie Robinson	Soybean Promotion Board
Development of an On-line Course – Nematology and Sampling	7,500	Julie Robinson	Soybean Promotion Board
Development of an Online Course – Nematology and Sampling	15,000	Julie Robinson	Corn & Grain Promotion Board
Soybean Science Challenge 2018-2019	68,540	Julie Robinson	Soybean Promotion Board
Arkansas Department of Health Familial Support Project	10,000	Leigh Helms	AR Dept of Health
Evaluation Soil Sampling Methods for Variable Rate Fertilization	32,000	Leo Espinoza	Corn & Grain Promotion Board
Promoting Irrigation Water Management for Soybean	53,586	Leo Espinoza	Soybean Promotion Board
Arkansas Discovery Farm Program	5,500	Michael Daniels	Corn & Grain Promotion Board
The Arkansas Discovery Farm Program	17,500	Michael Daniels	Soybean Promotion Board
Developing a Threshold for Armyworms in Rice	3,354	Nick Bateman	Rice Research Promotion Board
Development of Integrated Management Strategies for Redbanded Stink Bug in Soybean	18,961	Nick Bateman	Soybean Promotion Board
Insect Management in On-Farm Grain Storage	500	Nick Bateman	Corn & Grain Promotion Board
Rice Insect Control	2,500	Nick Bateman	Rice Research Promotion Board
Rice Stink Bug Project	70,500	Nick Bateman	Rice Research Promotion Board
Development of Drying and Decontamination Strategies to Prevent Mycotoxins in Corn	1,000	Sammy Sadaka	Corn & Grain Promotion Board
ATV Helmets for Safety at Magazine Elementary	6,000	Sarah Enoch	Polaris Foundation
Hempstead County 4-H United Way Support	5,000	Terrie James	United Way of Hempstead
Assessment of the Importance of Target Spot on Soybean in Arkansas	10,255	Terry Spurlock	Soybean Promotion Board
Comprehensive Disease Screening of Soybean Varieties in Arkansas	40,870	Terry Spurlock	Soybean Promotion Board
Detection, Spread and Economic Impact of Southern Rust in Southeast Arkansas Corn Fields Using Remote Sensing and Spatial Analysis Technologies	24,465	Terry Spurlock	Corn & Grain Promotion Board
Determining the Value of Fungicide Application on Regional, Field Level and Within-Field Scales	23,000	Terry Spurlock	Soybean Promotion Board
Develop Practical Management Strategies for Foliar Corn Diseases in Arkansas	10,000	Terry Spurlock	Corn & Grain Promotion Board
Understanding Charcoal Rot and Tap Root Decline Potentially Yield Limiting Soybean Disease in Arkansas	34,401	Terry Spurlock	Soybean Promotion Board
A Team Approach to Improved Weed Management in Rice	87,050	Tom Barber	Rice Research Promotion Board
A Team Approach to Weed Management in Soybeans 2018-2019	47,483	Tom Barber	Soybean Promotion Board
Determining Yield Effects from Drift Rates of Common Herbicides and Evaluation of New Herbicides and Technologies in Grain Sorghum	10,000	Tom Barber	Corn & Grain Promotion Board
MGI Tolerant Soybeans: University Testing Program-Coarse Soils (Regulated)	10,150	Tom Barber	Syngenta Crop Protection, Inc.
Out of the Box Weed Control in Corn: Evaluation of Potentially New and Old Herbicides in place of Atrazine for Weed Control	35,100	Tom Barber	Corn & Grain Promotion Board
Academic Engagement with NemaStrike Technology in Cotton	2,920	Travis Faske	Monsanto Company
Academic Engagement with NemaStrike Technology in Soybean	5,840	Travis Faske	Monsanto Company
Assessment of the Importance of Target Spot on Soybean in Arkansas	12,986	Travis Faske	Soybean Promotion Board
Comprehensive Disease Screening of Soybean Varieties in Arkansas	48,818	Travis Faske	Soybean Promotion Board

(Continued on page 12)

Grants and Contracts for Month Ending April 30, 2018 (cont.)

Project Title	Award Amount	Principal Investigator	Granting Agency
Develop Practical Management Strategies for Foliar Corn Diseases in Arkansas	35,000	Travis Faske	Corn & Grain Promotion Board
Development of an Effective Program to Manage Fungicide-Resistant Diseases of Soybean in Arkansas	42,329	Travis Faske	Soybean Promotion Board
Integrated Management of Soybean Nematodes in Arkansas	22,509	Travis Faske	Soybean Promotion Board
Crop Enterprise Budgets and Production Economics for Corn and Grain Sorghum	10,000	Vic Ford	Corn & Grain Promotion Board
Rice Enterprise Budgets and Production Economic Analysis	8,000	Vic Ford	Rice Research Promotion Board
Development of Practical Diagnostic Methods for Monitoring Rice Bacterial Panicle Blight Diseases and Evaluate Rice Germplasm for Resistance	44,700	Yeshi Wamishe	Rice Research Promotion Board
Development of Short Term Control for Bacterial Panicle	38,000	Yeshi Wamishe	Rice Research Promotion Board
Economics of Fungicides Application for Sheath Blight Disease of Rice	18,000	Yeshi Wamishe	Rice Research Promotion Board
Rice Breeding Program Pathology Tech Support	57,370	Yeshi Wamishe	Rice Research Promotion Board
Understanding Autumn Decline – H2S Pathology	14,499	Yeshi Wamishe	Rice Research Promotion Board
Total Awards for April 2018	\$2,476,210		

University of Arkansas, United States Department of Agriculture, and County Governments Cooperating

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