The Kansas Department of Agriculture is the state agency devoted to the total support of agriculture in Kansas. The department works for the entire Kansas agriculture sector, including farmers, ranchers, agribusinesses and food establishments. KDA is dedicated to providing support and assistance to make Kansas businesses successful and encouraging more farms, ranches and other agriculture businesses to expand in or relocate to Kansas.

KDA is made up of a variety of divisions and programs that perform different administrative, marketing, regulatory and other services. Included in this annual report are some of the highlights achieved by those divisions and programs in 2017.

### KDA Divisions and Programs

#### Administrative Services
- Communications
- Emergency Management
- Fiscal
- Human Resources
- Information Technology
- Legal
- Office of the Secretary

#### Agricultural Business Services
- Agricultural Laboratory
- Dairy and Feed Safety
- Food Safety and Lodging
- Grain Warehouse
- Meat and Poultry
- Pesticide and Fertilizer
- Plant Protection and Weed Control
- Weights and Measures

#### Agricultural Marketing
- Agribusiness Development
- Economics and Statistics
- International Marketing
- Trademark
- Workforce Development

#### Animal Health
- Animal Disease Control
- Animal Facilities
- Brands

#### Conservation

#### Water Resources
- Water Appropriation
- Water Management Services
- Water Structures

The Kansas Department of Agriculture is guided by the agency’s purpose, vision, mission, goals and objectives, as outlined on the opposite page. In addition, each program area defines goals and objectives for that specific program, including indicators which are tracked to measure progress throughout the year. This KDA Annual Report reflects highlights from each program’s objectives throughout 2017.
**PURPOSE:** To serve, promote and grow the state's largest industry.

**VISION:** Kansas will provide an ideal environment for long-term, sustainable agricultural prosperity and statewide economic growth.

**MISSION:** The Kansas Department of Agriculture is committed to a balanced approach of:

- Serving Kansas farmers, ranchers, agribusinesses and the consumers/customers they serve;
- Providing an environment that enhances and encourages economic growth of the agriculture industry and the Kansas economy; and
- Advocating for and promoting the agriculture industry, the state's largest industry, employer and economic contributor; while
- Helping to ensure a safe food supply, protecting natural resources, promoting public health and safety, protecting animal health, and providing consumer protection to the best of our ability.

**GOALS:** The Kansas Department of Agriculture will achieve its vision and mission by:

- Creating a “best-in-state plus” work force and a work environment with a positive culture and attitude;
- Working diligently to make the agency more innovative and efficient while streamlining program operations;
- Fulfilling and upholding statutory and regulatory obligations fairly, transparently, efficiently and effectively;
- Working with industry partners to guarantee the interests of Kansas and the agriculture industry are considered in state and federal policy decisions;
- Providing customer support, timely responsiveness, educational resources, and critical information to all Kansans;
- Broadening the understanding and appreciation of agriculture and its economic contribution amongst Kansas citizens;
- Providing support and assistance to help make Kansas businesses more successful, grow rural communities, expand markets for Kansas agricultural products, level the playing field, grow the agricultural workforce, and encourage more farms, ranches and other agriculture businesses to expand in or relocate to Kansas; and
- Being a model state agency.

**PRIORITY OBJECTIVES:** In order to achieve our agency goals and maintain an achievable focus, the following objectives are considered top priority:

- Improving customer service and compliance education for all customers and licensees;
- Streamlining and automating internal and external systems and continuing to identify opportunities for program and agency efficiencies in daily business activities;
- Performing daily responsibilities effectively and efficiently with a focus on customers served and cross training when appropriate;
- Evaluating and adjusting program, division and agency structure to continually improve effectiveness and efficiency;
- Eliminating unnecessary and outdated regulations and/or agency activities;
- Enhancing internal communications and professional development opportunities for agency staff;
- Recruiting and retaining high quality employees — the right people, doing the right thing, with the right attitude;
- Continuing to build upon a commonsense policy and regulatory agenda and influencing federal policy issues in accordance with industry needs and interests;
- Growing agriculture in the state, eliminating barriers to growth, developing workforce and building marketing activities in-state, out-of-state and globally;
- Developing strategic partnerships with Kansas State University and other potential partners to better serve Kansans and the agriculture industry; and
- Advocating for agriculture at all levels and providing industry outreach.
ANIMAL HEALTH: CVI
The Division of Animal Health works to protect the health, safety and welfare of Kansas’ citizens and animals through prevention, control and eradication of infectious and contagious diseases and conditions. Efficiency and accuracy of records is critical to achieving this objective, and the division has been working toward automation of the system with electronic submissions of certificates of veterinary inspection (CVIs). At the end of 2017, more than 70 percent of the export CVIs received by the Division of Animal Health are electronic submissions; this is the highest rate of electronic CVI use in the country.

PESTICIDE AND FERTILIZER: Dicamba
Dicamba use was an area of concern throughout the region in 2017. Three new dicamba products were registered for use by cotton and soybean growers who planted seeds with the dicamba tolerant trait. The products worked well in controlling weeds; however, 213 complaints were received related to off target movement to non-dicamba tolerant crops. KDA monitored these complaints and talked with EPA weekly throughout the summer and fall regarding what was being seen in the field. Through these conversations with Region 7 EPA, KDA had input regarding the changes that occurred in the labeling and use of these products for 2018.

DAIRY AND FEED SAFETY: USAPlants Feed Database
The record keeping system for licensing, inspection and sampling of animal and pet food producing facilities was improved this year as the program made the switch to the USAPlants database. Phase one, licensing, was completed in early spring followed by phase two through four: inspections/samples; remote access and finally online renewals. The new database streamlines the work flow from field inspections and sampling, lab testing and reporting, and record keeping.
DIVISION OF CONSERVATION: Online Systems

The Division of Conservation has been developing an online licensing, reporting and fee pay system for administration of the mined land reclamation and ag liming programs. These programs enable producers of aggregates and ag lime to complete licensing and reporting functions online. Payment of licensing and tonnage fees can also be paid online. This system also includes digitizing all program records for ease of access and archiving. Another automation project underway is the upgrade to the Cost-Share Information Management System (CSIMS). This automated database uses online cost-share application management. The 105 county conservation districts use CSIMS to submit cost-share applications and other administrative data such as meeting minutes and reports which are digitized into the database for ease of access and archiving.

AG MARKETING: Trademark Program

From the Land of Kansas, the state’s trademark program, worked to expand the program to add value for its members. It developed and launched an updated online e-marketplace for trademark members at shop.FromtheLandofKansas.com. Membership increased by 70 for a total 458 From the Land of Kansas members, and the program increased From the Land of Kansas member sales at the Kansas State Fair by 50 percent over 2016 by enhancing the online checkout experience and increasing vendor space square footage in the Pride of Kansas building.

OUTREACH: Compliance Education

Outreach to Kansans throughout the agriculture industry is a key function of the Kansas Department of Agriculture, and in 2017 that outreach spanned the state, from a feed safety course in Olathe to a dairy technology meeting in Ulysses to a metrology workshop in Manhattan. Much of the educational training provided by KDA is designed to help owners and managers of agribusinesses throughout the state to better understand and comply with regulations and best management practices within their businesses.

AGRICULTURAL LABORATORY: Accreditation

In an effort to establish national laboratory standards and protect consumer and animal health through multiple chemical and microbiological analyses, KDA’s laboratory accreditation has been essential for ensuring the integrity, accuracy and efficiency of laboratory testing. The KDA laboratory is successfully ISO 17025 accredited in the microbiology and feed sections. Incorporation of the accreditation requirements has led to increased testing efficiency and capabilities, enhanced proficiency testing and improved training and professional development. The laboratory continues to implement the ISO standards throughout the lab with a 2018 goal of expanding accreditation to the dairy and fertilizer sections and full laboratory accreditation by 2020.

GRAIN WAREHOUSE: Grain Storage

The grain warehouse inspection program works to protect depositors of grain in public warehouses from losses due to fraud and inventory mismanagement by ensuring warehouses maintain accurate records and maintain the condition of stored grain. In 2107, the program examined 100 percent of state licensed elevators, even as the licensed capacity reached 499 million bushels. In addition, nearly 6 million bushels of grain were approved for on ground or conditional storage.
Providing an environment that enhances and encourages economic growth of the agriculture industry and the Kansas economy.

AG MARKETING:
Agribusiness Development
KDA hosted six agribusiness development workshops for Kansas farmers, ranchers and agribusinesses to provide a networking platform and organizational contacts to assist with business start-ups or expansion. The department also awarded 22 JumpStart Agriculture entrepreneurial grants in partnership with the Kansas Department of Commerce, to recognize nine agribusinesses with $10,000 grants and 13 agriculture education students with $500-$1,000 supervised agricultural experience grants who showed dedication to innovation and the entrepreneurial spirit within the agriculture industry.

DAIRY AND FEED SAFETY:
Meadowlark Dairy Nutrition
2017 saw the grand opening of Meadowlark Dairy Nutrition, a state-of-the-art milk drying plant in Garden City. KDA’s dairy program began meeting with officials of Dairy Farmers of America, equipment engineers, and contractors in November 2015. Inspectors have worked with the plant to review initial plans, approve pasteurization systems, inspect equipment as it was installed, and make sure that everything was in place to issue the dairy manufacturing plant license before receiving the first load of milk. The plant has the capacity to receive 80+ semi-tanks of raw milk (some 4 million pounds) each day for processing that milk through the largest single milk dryer in North America and producing 10 trucks (240 tons) per day of finished, bagged product.

FOOD SAFETY AND LODGING:
Food Safety Task Force
Ideally, food and lodging establishments will continue increase their understanding of food safety requirements, thus protecting consumers while keeping businesses running. With this ideal in mind, the Kansas Food Safety Task Force was developed in 2017 for food and feed safety and defense professionals to achieve prevention, intervention and response including the early detection and containment of foodborne illness. Participants receive quarterly newsletters and are invited to participate in regional meetings to learn about emerging issues and to foster dialogue within the food and feed safety fields. Four regional meetings were held across the state in 2017, with 148 total attendees.

For more information regarding agricultural growth, see the final page of this annual report.
IN 2017, KANSAS AGRICULTURE WAS VALUED AT NEARLY $68 BILLION APPROXIMATELY 45 PERCENT OF THE KANSAS ECONOMY.

AG MARKETING: Agriculture Workforce Development

The workforce development team coordinated the first Supervised Agricultural Experience (SAE) Summit, attended by 25 ag educators, to focus on teaching tips and tools for placing all students in an SAE partnership. SAEs are key to student career readiness, and these experiences help students gain both hard and soft skills needed in today’s agriculture workplace.

ANIMAL HEALTH: AFI Seminar

In June, KDAs Animal Facilities Inspection program hosted the first-ever Small Animal Facilities Seminar at the Milford Lake Conference Center, which was attended by 100 representatives from throughout the pet animal industry. The event was developed based on feedback from the Kansas Pet Animal Advisory Board, and featured several guest speakers and breakout sessions focused on topics ranging from nutrition to regulation updates to contingency planning. The seminar provided the pet animal industry of Kansas an opportunity to heighten its knowledge of pet animal health through continued education.

PLANT PROTECTION AND WEED CONTROL: Export Inspections

Inspection services for Kansas-produced commodities destined for export ensures pest-freedom requirements of the importing country are met, so that the Kansas export market continues to run smoothly. In 2017, the program saw a 24 percent increase in the number of requested inspections and met the demand while continuing to complete all inspections in a timely manner. The number of export inspections has steadily increased over the last 3 years, up 175 percent from 2014.

AG MARKETING: International Agribusiness Development/Trade

KDAs international marketing team coordinated four STEP (State Trade and Export Promotion program) and three USLGE (U.S. Livestock Genetics Export, Inc.) outbound trade missions to Russia, Mexico, Brazil, China, Costa Rica and Argentina. Seventeen first-time participants traveled on these missions in 2017. Commodity sectors featured during the missions were livestock genetics, corn, ethanol, corn by-products and pet food. In addition, the program cohosted two USDA Cochran Fellowship Programs from Serbia and Turkey. This program provides short-term training opportunities to agricultural professionals from middle-income countries, emerging markets and emerging democracies.

AG MARKETING: Ag Education

Agricultural education throughout the state is critical to developing the future agricultural workforce. KDAs supported ag education in a variety of ways in 2017, including partnering with Kansas Foundation for Agriculture in the Classroom to provide several elementary classrooms the opportunity to take a virtual dairy tour; supporting the state FFA conference in June; and recognizing 24 agriculture education students who completed requirements for the general agriculture, animal science, and plant systems skills and competencies certificates.
Advocating for and promoting the agriculture industry, the state’s largest industry, employer and economic contributor.

WEIGHTS AND MEASURES:

National Training Events

Metrologists from several state and private laboratories attended the Regional Metrology Assurance Program training in June, an annual requirement for metrology labs to maintain a nationally recognized certified status which was provided by the National Institute of Standards and Technology (NIST). KDA also hosted a NIST livestock scales training class and a USDA monorail scale training class in 2017. Technical trainings such as these are especially rare and KDA was fortunate to bring these training opportunities to Kansas for the benefit of KDA inspectors, service company technicians, and other regulatory officials. In addition, KDA also provided several specialized trainings and organized workgroups for stakeholders.

WATER STRUCTURES:

Floodplain Mapping

Floodplain mapping projects are underway in several watersheds and counties throughout the state. Those projects are in various stages of completion and include the Middle Kansas, Neosho Headwaters, Upper Marais des Cygnes, Lower Cottonwood, Lower Smoky Hill, Solomon, Barton County, Montgomery County, Rice County and Wilson County. The mapping project in Marshall County was completed last year resulting in new effective maps in May. KDA works with local communities to update FEMA Flood Insurance Rate Maps, giving property owners and stakeholders ample opportunities to learn about the map revision process and to understand their flood risk and how any changes to the flood risk map may affect them.

MEAT AND POULTRY:

New Advancements

The meat and poultry inspection program is becoming more critical as more food products are intended to be consumed with little or no further preparation at home. The program is moving from organoleptic inspection to more and newly evolving scientific methods of assessing the effectiveness of food safety systems. The meat and poultry inspection program is constantly implementing new scientific advancements in food safety. Each establishment that produces meat products now have interventions in place to eliminate or control the pathogens that are most likely to cause foodborne illness.
DIVISION OF CONSERVATION: Soil Health Education
Soil health education was a priority for the Division of Conservation in 2017. The division funded 15 soil health workshops with an average attendance of 68 people per workshop. Also, 66 conservation district supervisors and 13 first-time attendee landowner/operators were funded for scholarships to the No-Till on the Plains winter conference in Salina.

WATER RESOURCES: Youth Water Advocates
Eleven high school agriculture education students from nine high schools attended the first Kansas Youth Water Advocates conference. These students learned about water resources and were tasked with developing their own water presentation to take back and share in their home communities to raise awareness about water conservation.

WATER MANAGEMENT SERVICES: Interstate Rivers and Compacts
Kansas continues to work with neighboring states to ensure Kansas’ interests are protected under Kansas’ four interstate compacts covering the Republican, Arkansas and Big Blue river basins. On the Republican, the states are implementing long-term agreements signed in 2016, and approved in 2017 long-disputed accountings from 2006 to current. Similarly on the Arkansas, Colorado and Kansas are making good progress balancing the compliance activities with the water users’ needs for both states.

ANIMAL HEALTH: ADT Forum
KDA hosted an Animal Disease Traceability (ADT) Forum in June, in conjunction with a series of public forums held around the country by USDA’s Animal and Plant Health Inspection Service. More than 60 attendees engaged in discussion on the successes and challenges of the current ADT framework, and possible solutions for improving the existing system. An efficient and accurate ADT system is important to ensure a rapid response when animal disease events take place.

EMERGENCY MANAGEMENT: Phoenix Exercise
KDA’s Emergency Management Program planned and hosted “Phoenix” — the fifth consecutive foreign animal disease exercise sponsored by KDA — December 18–20. The large-scale, multi-day event designed to simulate a foot-and-mouth disease outbreak across North America tested all facets of a real-life disease response, from disease reporting and traceability to the coordination of public information and education. Lessons learned from this and previous exercises are instrumental in shaping KDA policy for preparing and responding to a foreign animal disease outbreak. This year’s exercise consisted of more than 200 individuals including participants from the USDA, multiple state departments of agriculture, industry groups, congressional representation, other state agencies, Kansas State University, multiple Kansas counties, and private production facilities.
Helping to ensure a safe food supply, protecting natural resources, promoting public health and safety, protecting animal health, and providing consumer protection to the best of our ability.

FOOD SAFETY AND LODGING: **Inspection Program**
The food safety and lodging program protects public health and maintains public confidence in Kansas food establishments by providing uniform, effective and efficient food safety inspections. In 2017, the program performed 21,854 inspections of food and lodging establishments, food processors and storage facilities.

ANIMAL HEALTH: **AFI Regulations**
In 2017, the Animal Facilities Inspection program consolidated regulations so that facilities of different types all must comply with the same regulations. This improves animal health by ensuring that pet animals throughout the state are all protected by consistent regulations, regardless of the type of facility in which they are housed.

WATER APPROPRIATION: **LEMA**
The Local Enhanced Management Area (LEMA) is a groundwater management tool currently in use in western Kansas. The Sheridan 6 LEMA was established in 2013, with the goal of reducing water use by 20 percent to reduce groundwater decline and extend the life of the aquifer. In 2017, new data collected showed that indeed the 99-square-mile area included in the LEMA has seen notable reductions in the rate of water-level decline. In the decade prior to the establishment of the LEMA, the rate of decline in the area was about 23 inches per year. In the first three years of the LEMA, the rate of decline was reduced to a little under 5 inches per year. In 2017, the Sheridan 6 LEMA was extended for the period 2018-2022, upon the request of the Northwest Groundwater Management District 4.

ANIMAL HEALTH: **Equine Diseases**
In late summer of 2017, more than a dozen horses in southwest Kansas were diagnosed with infectious diseases: some with equine infectious anemia and some with equine piroplasmosis. The Division of Animal Health worked with veterinarians and local law enforcement to locate and isolate the disease, and with local communities to inform and educate horse owners about the situation as it progressed and about prevention of the disease. KDA hosted an educational public forum in Finney County in September which was attended by more than 70 local residents.
MEAT AND POULTRY: Inspection Program
The program works to ensure the safety and wholesomeness of meat and poultry processed by Kansas slaughter and processing plants that are not under federal inspection, providing inspection services to establishments that prepare meat and poultry food products for entry into intrastate commerce. In FY 2017, there were 46 inspected facilities, 39 custom-exempt facilities and 301 other meat and poultry businesses registered in Kansas. Inspectors conduct inspections at inspected plants each day they apply the mark of inspection; in FY 2017 a total of 77,118 inspection procedures were conducted by 31 inspection field staff.

PESTICIDE AND FERTILIZER: Orphaned Pesticide Grant
In 2017, the program received a $75,000 grant from KDHE Bureau of Air for the disposal of cancelled, unregistered pesticides. Working in cooperation with KDHE Bureau of Waste Management, Household Hazardous Waste, the grant has aided people statewide, including funding the disposal of 235 gallons of waste that had accumulated for 18 years in the basement of an elderly citizen, disposal of potentially explosive waste that had been confiscated by law enforcement, disposal of waste found alongside a rural road, and disposal of product at an HHW site that did not have funding for disposal.

EMERGENCY MANAGEMENT: New Initiatives
KDA’s emergency management launched two major program initiatives in 2017 that will have long-lasting impacts on Kansas agriculture. The first was the launch of the Kansas Agriculture Emergency Response Corps in June. This response corps is the first of its kind in the nation — an effort to utilize volunteers to be integrated into KDA operations in the event of a large-scale incident. The volunteer corps is designed to be multi-disciplinary with over 20 different positions that volunteers could potentially fill during the response or recovery phases of an incident. Volunteers are being trained through workshops offered throughout the state and were integrated for the first time during the Phoenix exercise. As of January 2018, more than 50 Kansans had signed up for the corps.

The second program initiative begun during 2017 was a project to assist Kansas dairies and feedlots in writing operation-specific biosecurity plans. The plans are designed to be in line with the national Secure Food Supply plans being developed by the Center for Food Security and Public Health at Iowa State University. KDA utilized three interns from Kansas State University during the summer of 2017 to complete eight Secure Milk Supply plans for Kansas dairies and 11 Secure Beef Supply plans for Kansas feedlots. This project will expand in 2018 and beyond into other areas of the animal agriculture industry and through the continued use of intern labor for plan creation and implementation.

PLANT PROTECTION AND WEED CONTROL: Public Information
Public information is critical in pest control, and in 2017 KDA conducted outreach meetings in two counties to prepare the local government and citizens for the eventual impacts of emerald ash borer when it was detected in these counties. In addition, we worked in collaboration with K-State Research and Extension and the industry on our Stop the Streak campaign to combat the wheat streak mosaic virus.

OUTREACH: Noxious Weed Forum
In October, KDA hosted an open dialogue and information exchange on noxious weeds in Kansas, with 65 attendees representing a wide scope of interests, including county weed departments, environmental interest groups, and state government. Informational presentations were followed by an open forum to discuss topics of interest to participants, from control methods to research and technology to the process of noxious weed designation.

WATER APPROPRIATION: WCAs
Six new Water Conservation Areas (WCAs) were approved in 2017, as water right owners in western Kansas are coming forward to be good stewards of water and using the tools which have been made available to them. WCAs are a direct result of the Kansas Water Vision, signed into law in 2015 to provide a simple, streamlined and flexible tool that allows any water right owner or group of owners the opportunity to develop a management plan to reduce withdrawals in an effort to extend the usable life of the Ogallala-High Plains Aquifer. In addition to these six WCAs, three more are pending.

WEIGHTS AND MEASURES: Skimmer Prevention
The weights and measures program is now routinely inspecting gas pumps for credit card skimmers, and inspections found them in gas pumps across Kansas in 2017. Several efforts have been made to spread awareness to industry, business owners and consumers, including: the creation of a credit card skimmer identification book, adding skimmer information to the KDA website, distributing skimmer information handouts to gas stations and law enforcement agencies, training service company technicians, and the formation of a skimmer alert email group. KDA inspectors are assisting law enforcement agencies with inspection sweeps of the gas pumps in their jurisdiction.

DIVISION OF CONSERVATION: CREP
A total of 112 state Conservation Reserve Enhancement Program (CREP) contracts on 18,659 acres have been approved in 2017, which has resulted in the permanent retirement of 37,999 acre-feet of annual water appropriation on 135 water rights from 166 wells. These contracts represent a total of $1,210,511 in state sign-up payments to producers who have also received total CREP annual rental payments from FSA totaling $33,538,379 over the last ten years.
Agriculture is Kansas’ largest industry and economic driver, providing nearly $68 billion in total economic contribution to the state, approximately 45 percent of the total economy. The industry employs nearly 247,000 people, or 13 percent of the Kansas workforce. If food retail and ethanol production are included, the economic contribution rises to over $81 billion, nearly 54 percent of the state’s economy. In addition to growing crops and raising livestock, the Kansas agricultural sector includes food processing, agribusiness, technology, renewable energy production, research and education, and many value-added enterprises. Kansas farmers and ranchers make a global impact, exporting nearly $3.5 billion in agricultural products.

Clearly, growth of the Kansas economy is directly linked to growth of the agriculture industry, and Kansas agriculture is focused on achieving that growth.

Strategic industry growth requires communication, coordination and collaboration. Since early 2016, hundreds of meetings have been held among agriculture industry leaders to discuss the opportunities in and the barriers to economic growth, and to identify the outcomes desired for each agricultural sector. In 2017, the second annual Governor’s Summit on Agricultural Growth brought together nearly 400 leaders from across industry sectors in one place with one goal — growing Kansas agriculture. They worked together to outline specific action items to achieve the desired growth outcomes for 19 sectors of agriculture in Kansas.

The Ag Growth Strategy project was a direct result of a 2015 Governor’s Economic Council discussion focused on the
The Council discussion led to the development of the growth strategy effort. In early 2018, the Kansas Ag Growth document was updated to include the sectors’ outcomes and action items, along with background information on each sector and a summary of opportunities and challenges for growth within that sector. All content within the document is based on the direct input of agricultural stakeholders during the Ag Growth Summits and during other meetings of leaders within the various agricultural sectors. It is a guidance document for how private and public partners can work together to grow the agricultural industry. The action items within each agricultural sector are dynamic plans that will be updated continuously and used to hold team members accountable when appropriate and to track industry activity when needed.

The KDA Vision, *Kansas will provide an ideal environment for long-term, sustainable agricultural prosperity and statewide economic growth*, is something that can only be achieved through private-public partnerships. KDA looks forward to continuing to work with private industry partners to grow Kansas agriculture.