Dear Friends,

I often say that you can expect great things from UF/IFAS, and that continues to be true as we review the past year and look to the future.

I can tell you that the state of UF/IFAS is the strongest it has ever been during my time here.

With the generous support and investment of the Florida Legislature, UF/IFAS has received millions of dollars in funding for new faculty hires. We’re putting those millions into expanding our expertise in areas such as water, integrated pest management, environmental resilience, sea-level rise, family and community health and wellness, tropical fruit breeding, forestry and sustainable fisheries.

I am especially pleased with the hiring of five new regional specialized Extension agents who will focus on water, working across the state raising awareness about water conservation and improving water quality. We plan to position UF/IFAS as the state leader in water research, education and outreach. Overall, we’ve hired nearly 50 faculty members with this increased state funding — new positions, not replacement hires — and we’re searching for about a dozen more.

We were also successful in restoring the invasive species lab at our Indian River REC. The lab’s restoration is especially great news for our stakeholders, considering that the estimated cost of managing invasive plants in Florida is $100 million a year.

UF/IFAS Research set a record for funding in Fiscal Year 2016, with $140 million in grants and sponsored research to UF/IFAS faculty. When you compare the recently completed fiscal year to two years ago, our research awards have surged by 37 percent!

The university as a whole also set a record in the past fiscal year with $724 million in research funding. The UF/IFAS surge in grants and contracts accounted for about 83 percent of the university’s gains from FY 2015 to FY 2016.

UF/IFAS Extension brings relevant, impactful science-based information from across the UF campus to all 20 million Floridians. We’ve made great strides in getting other parts of UF on board with the Extension model. We helped the College of Engineering, for example, launch the UF Innovation Station Sarasota County this past spring. This facility will have a staff of at least three Gators who focus on industry, workforce development and educational partnerships.

The College of Agricultural and Life Sciences had a record-high total enrollment for Fall 2016 — 5,811. We also had a record in graduate enrollment at 1,517. Much of the graduate growth came from the online Master of Science in Microbiology and Cell Science program, which had 31 students last year but has surged to 170 students this fall.

One of the biggest challenges that remains is the state of our infrastructure. We’re doing our best to have our facilities keep pace with the hiring of our new colleagues. To be a world-class institution, we need world-class facilities.

The impact of UF/IFAS around the world continues to grow as we recently outcompeted 40 other land-grant universities to win a $49 million USAID grant to develop livestock capacity in four African countries and two countries in Southeast Asia. This signature project is just one example of our ongoing work in Africa, the Caribbean, South America and Asia.

I am excited to see the momentum we have generated in the past two or three years translated into even more achievements in teaching, research and Extension. Yes, challenges remain, but together we will continue to make progress and improve the quality of life for Floridians, as well as take our knowledge to the world.

Sincerely,

Jack M. Payne
UF Senior Vice President
Agriculture and Natural Resources
The challenges of tomorrow are the focus of our work today.

By 2050, there will be an estimated 10 billion people on Earth who will require food, fuel and fiber produced with the same amount of farmland that exists today. What will make the difference in successfully providing for our growing global community? Leadership.

That is why the UF/IFAS College of Agricultural and Life Sciences (CALS) works diligently to prepare its graduates to lead for the future. Students enrolled in CALS today are the problem solvers, policy makers and providers of tomorrow. From the day students graduate, they'll be equipped to understand complex issues such as climate change, invasive species and competition for valuable natural resources. They'll understand how food is grown, harvested and distributed.

CALS faculty and staff ensure that what is taught in today’s classroom is relevant for whatever the future may bring.

CALS Accomplishments

Priority #1: Recruit and Retain Outstanding Students
- Record total enrollment: Significant increases at the graduate level and for entering freshmen.
- Gradual enrollment growth in UF Online and PaCE (Pathway to Campus Enrollment).

Priority #2: Provide Relevant Curricula

Priority #3: Promote Excellence in Teaching
- Continued excellence in teaching with national recognition from NACTA and USDA.

Priority #4: Produce Society-Ready Graduates
- Launched a faculty fellows program associated with the Field & Fork Campus Food Program to enhance experiential learning opportunities.

Priority #5: Strengthen Alumni and Stakeholder Connections
- Honored more than a dozen CALS alumni as part of the Gator 100 (top 100 fastest-growing businesses owned or run by Gators).
CALS BY THE NUMBERS

Enrollment (Fall 2016)

5,811

up from 5,397 in Fall 2015 (8% increase)

1,517
Graduate students

3,975
Undergraduate students

319
Non-degree-seeking students

AWARDS

17
CALS Honors Scholars

7
NACTA Awards

2
USDA Excellence in Teaching Awards

SCHOLARSHIPS

$427,800
in student scholarships awarded to

332 Recipients

All data collected in CY 2016.
Discovery. It is the foundation of a great university.

At UF/IFAS, research scientists work diligently to discover the solutions to some of our most vexing problems. Whether it’s understanding how an invasive pest can destroy a healthy orange tree, how a new tomato can be grown with exceptional flavor and shelf life, or how restoring an oyster reef can contribute to a coastal community’s environmental and economic resiliency, UF/IFAS researchers are working in laboratories, fields, coastal areas and forests in search of new knowledge that moves us closer to viable solutions to positively impact our lives.

Florida is always changing, and UF/IFAS Research is committed to constant evaluation and improvement of its programs to ensure maximum benefit for all stakeholders. As the U.S. economy becomes more globally connected, UF/IFAS researchers are increasing international collaborations to address challenges that will prove beneficial to Floridians and the world.

Research Administration Goals

Research Programs
Expand our global leadership in transformational basic and applied research programs.

Research Culture
Enrich our research culture to strengthen innovation and discovery.

Research People
Build satisfaction and quality of life on the job.
<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>$140 million in grants and sponsored projects to UF/IFAS faculty</td>
<td></td>
</tr>
<tr>
<td>an increase of 37% over two years</td>
<td></td>
</tr>
<tr>
<td>1,406 refereed journal publications (FY 2015)</td>
<td>12</td>
</tr>
<tr>
<td>15 U.S. plant patents</td>
<td>11</td>
</tr>
<tr>
<td>568 faculty with research appointments (CY 2016)</td>
<td>6</td>
</tr>
<tr>
<td>12 Preeminence faculty</td>
<td>6</td>
</tr>
<tr>
<td>11 AAAS Fellows</td>
<td></td>
</tr>
<tr>
<td>6 NAS Members</td>
<td></td>
</tr>
<tr>
<td>6 2016 UF Research Foundation Professors</td>
<td></td>
</tr>
<tr>
<td>12 Research and Education Centers</td>
<td></td>
</tr>
<tr>
<td>6 Research and Demonstration Sites</td>
<td></td>
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</tbody>
</table>

All data collected in FY 2016 unless otherwise noted.
UF/IFAS Extension knows Florida.

We work tirelessly to support Florida’s residents, communities and enterprises every day. We know that agricultural producers want to provide the best products they can, that families want the best for their children and that communities want to be vibrant, welcoming places for residents, businesses and visitors.

UF/IFAS Extension faculty work side by side with UF/IFAS researchers to deliver the latest science-based information about plants, invasive species, water quality, food and nutrition, youth development, forests, livestock management, community development, energy and family relationships directly to the people of Florida, from the Panhandle to the Keys and every county in between.

Extension faculty and staff know their communities and the people who live in them — often on a first-name basis. They live in their neighborhoods. They deal with the same soil, water and waste issues as our fellow residents and community leaders.

In 67 counties throughout the state, UF/IFAS Extension faculty, staff and volunteers provide consultation and expertise, access to the latest science, training programs and information offered to clients in-person and online.

The result? Cleaner water, healthier lifestyles, increased income, greater opportunity and a brighter future for all of us.
### EXTENSION BY THE NUMBERS

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal connections with Florida residents</td>
<td>24,295,122</td>
</tr>
<tr>
<td>Extension Agents in Florida counties and the Brighton Seminole Indian Reservation</td>
<td>390</td>
</tr>
<tr>
<td>Florida counties</td>
<td>67</td>
</tr>
<tr>
<td>Academic faculty with Extension appointments</td>
<td>245</td>
</tr>
<tr>
<td>Volunteers gave</td>
<td>33,549</td>
</tr>
<tr>
<td>Hours of service, valued at</td>
<td>1,229,061</td>
</tr>
<tr>
<td>$28,956,677</td>
<td></td>
</tr>
</tbody>
</table>

**48%** of all UF/IFAS Extension County faculty positions involve agriculture.

**85%** of clients served by UF/IFAS Extension reported an increase in knowledge or skill.

**70%** of clients served reported a change in behavior or attitude.

**94%** of clients reported that Extension’s information was up-to-date and accurate.

All data collected in CY 2015.
The global neighborhood is getting smaller.

And UF/IFAS is looking beyond Florida’s borders to address challenges that people face working and living side by side on planet Earth: climate variation, food security, sustainable development, poverty and gender disparities.

More and more, UF/IFAS faculty and students are seeking opportunities to work and study abroad. Some elect to make their own arrangements, but funding, travel and logistics can present difficult challenges. Fortunately, help is available from UF/IFAS Global, a service office that facilitates international educational research and Extension capacity-building activities involving UF/IFAS personnel. The office assists faculty in securing grants, facilitates international engagement and promotes the benefits of collaboration with scientists and students from other nations.

Within the next decade, UF will be at the forefront of land-grant institutions in the depth, diversity and quality of its international programs. UF/IFAS aspires to set the standard for the university, offering programs that equip faculty, students, staff and Florida citizens to excel in the globalized workplace.

The impact of UF/IFAS continues to grow around the world. In May 2015, UF/IFAS Global secured a five-year, $13.7 million grant from the U.S. Agency for International Development (USAID), for work in Haiti to address chronic food insecurity. The resulting effort, the Support to Agriculture Research and Development Program, focuses on increasing the capacity of Haiti’s public and private sectors to design, execute and evaluate teaching, research and Extension activities.

In September 2015, UF/IFAS Global helped an interdisciplinary team win a $49 million USAID grant to fund the Feed the Future Innovation Lab for Livestock Systems, which will develop a portfolio of competitive research projects that aim to improve livestock systems in six countries — four in Africa and two in Southeast Asia.

These new projects add to our ongoing work that focuses on student education, research and Extension activities in Africa, Asia, South America and the Caribbean Basin.
Support to Agriculture Research and Development Program (SARD)
- Dedicated to capacity-building in education, research and Extension in Haiti
- Active in Haiti since 2015
- Funding managed by UF/IFAS Global = $13.7 million

Innovative Agricultural Research Initiative (iAGRI)
- UF trained M.S. and Ph.D. students from Tanzania to increase that nation’s agricultural capacity
- Active 2011-2016; educated 14 graduate students
- Funding managed by UF/IFAS Global = $1.3 million

Borlaug Higher Education for Agricultural Research and Development Program (BHEARD)
- Educates doctoral students in agricultural disciplines
- Active since 2013; five Ph.D. students from Bangladesh, Ghana, Malawi involved
- Funding managed by UF/IFAS Global = $1.0 million

Integrating Gender and Nutrition within Agricultural Extension Services (INGENAES)
- Educates and empowers Extension services that provide support to women and men farmers
- Active in Bangladesh, Honduras, Nepal, Tajikistan and Zambia since 2014
- Funding managed by UF/IFAS Global = $400,000

International Potato Center (CIP)
- Research focus on potato and other tuber crops
- Active in Ecuador and Peru 2012-2016
- Funding managed by UF/IFAS Global = $130,000
Where you work makes a difference in how you work.

In order to better serve local communities, producers and residents throughout Florida, UF/IFAS maintains facilities statewide, including the UF main campus in Gainesville and 18 research sites across Florida.

Roughly one-fourth of UF/IFAS acreage is on the UF main campus, including 346 buildings, greenhouses, labs, storage sheds and other structures totaling almost 970,000 square feet.

Off campus, UF/IFAS operates facilities at 12 Research and Education Centers and six Research and Demonstration Sites.

UF/IFAS Extension operates in each of Florida’s 67 counties in county-owned and -maintained spaces as part of partnership agreements.

Maintaining these facilities is an ongoing challenge, especially as they age and the technology needed for modern facilities escalates.

New and renovated facilities in 2016 include:

- The Beef Teaching Unit (South) was entirely rebuilt and now includes a classroom and dormitory space for four students. The Beef Teaching Unit (North) is preparing for renovations.
- A state-of-the-art laboratory for honey bee research is in the early stages of planning for construction. It will be located east of Steinmetz Hall, home of the UF/IFAS Entomology and Nematology Department.
- Nature Coast Biological Station construction continued in Cedar Key after sustaining damage from Hurricane Hermine.
- Labs for new faculty at Tropical Research and Education Center and West Florida Research and Education Center; a new laboratory at the Ordway-Swisher Biological Station; renovations at Citrus Research and Education Center; new greenhouses at Southwest Florida Research and Education Center.
FACILITIES BY THE NUMBERS
Main Campus, Gainesville

12 Research and Education Centers
555 buildings
1,802,142 GSF

6 Research and Demonstration Sites
1 research forest
125 buildings
390,220 GSF

TOTAL
1,269 buildings
3,754,611 GSF
28,068 acres

All data collected in CY 2017.
The annual budget for UF/IFAS totals more than $416 million.

This funding supports faculty and staff salaries, new construction, facilities operations and maintenance, equipment and supplies, Extension activities and many other expenses.

Although UF is a public university, funding for UF/IFAS comes from numerous public and private sources, including federal and state agencies, state appropriations, county governments, grants and contracts, tuition, proceeds from the Florida lottery and gifts to the university.

State funding, allocated by the Florida Legislature, annually provides about $190 million that includes proceeds from student tuition. Some of the monies are earmarked for specific purposes, such as construction projects or new faculty hires, but most support our ongoing teaching, research and Extension missions.

Grants and contracts are the second-largest source of UF/IFAS funding, and accounted for more than $153 million in FY 2016. Grants are secured by individual faculty members or teams of faculty, who apply for funding from various public and private entities. Contracts often come from industry or commodity groups and provide funding for specific research studies requested by the funding sources.

We are proud to partner with Florida county governments, which provide more than $30 million in funding each year, primarily for support of UF/IFAS Extension county offices. This arrangement helps keep UF/IFAS Extension operating in all 67 Florida counties.

UF/IFAS Office of Advancement

Charitable gifts represent a special source of support for UF/IFAS, with the Office of Advancement securing private support to advance the UF/IFAS land-grant mission, working in collaboration with the University of Florida Foundation.

- Gifts and pledges to UF/IFAS accounted for more than $20 million in FY 2016.
  » Corporate giving made up more than $8 million of the FY 2016 total.
  » Eighty-eight percent of gifts were designated to support specific research.
- The number of donors doubled between FY 2015 and FY 2016, from 3,433 to 7,299.
- Thirty-six new endowments were created in FY 2016.
- As of June 30, 2016, the UF/IFAS endowment totaled $112,921,899.

UF/IFAS has a $250 million fundraising goal as part of the University of Florida Capital Campaign. For more information about making charitable gifts to UF/IFAS, please visit http://give.ifas.ufl.edu.
UF/IFAS FY 2016 Expenditures by Revenue Source
$416.2 million

- State Appropriations: 46% ($190 million)
- Federal Extension Funds: 1% ($4.8 million)
- Federal Research Funds: 1% ($3.8 million)
- Miscellaneous: 3% ($11.7 million)
- Advancement/Private Giving: 3% ($11.8 million)
- County Contributions: 8% ($31.5 million)
- Extension & Research Incidental: 2% ($8.7 million)
- Grants/Contracts: 37% ($153.7 million)

UF/IFAS FY 2016 Expenditures by Category
$416.2 million

- Faculty: 24% ($100.8 million)
- Staff: 17% ($70.1 million)
- Temporary Personnel: 12% ($47.8 million)
- Other Operating Expenses: 37% ($152.3 million)
- Facilities: 3% ($13.7 million)
- County Contributions: 8% ($31.5 million)