The Florida Senate

COMMITTEE MEETING EXPANDED AGENDA

AGRICULTURE Senator Perry, Chair Senator Rader, Vice Chair

MEETING DATE:Monday, March 13, 2017TIME:4:00—6:00 p.m.PLACE:301 Senate Office Building

MEMBERS: Senator Perry, Chair; Senator Rader, Vice Chair; Senators Grimsley, Powell, and Steube

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Presentation by the Future Farmers of America	a	Presented
2	Presentation by the Florida Cattle Industry		Presented
	Other Related Meeting Documents		



FLORIDA FFA ASSOCIATION The Next Generation of Agriculturalists



By 2050, agricultural production will need to increase by 70% in order to feed 9 billion people. With less land, water, and resources.

The future of agriculture is much more than farming. It's about the **next generation of agriculturalists** and a **new age of discovery**.





We are addressing a very key issue: the growing need for young, talented people in a variety of fields to consider a career in agriculture.



FFA is only part of a comprehensive strategy to build a heroic workforce and reconnect people with agriculture.



33 farm boys started the organization in 1928, and now over 610,000 members are developing their potential for premier leadership, personal growth, and career success through agricultural education and FFA. FFA is the most recognized component of agricultural education, but Supervised Agricultural Experiences and the classroom create a complete experience for our students.



Students can choose from eight different career pathways, preparing them for the workforce and college.



Supervised Agricultural Experiences allow students to gain real-world experience and apply their skills and knowledge from FFA and the classroom.



Agricultural education proudly provides students with one of the most complete educational experiences available. We've got some work to do before 2050, but we're up for the challenge. Our growing pains are a positive sign:

Record membershipRecord participation



As we continue to grow and close the gap, we face some challenges we hope to overcome:

- FFA has reached its capacity in regards to the services and opportunities we provide our members
- Recruiting and retaining qualified and certified teachers
- Classroom size and funding



Together, we'll face these issues in an effort to tackle a global challenge.



THE FFA MISSION

FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

THE AGRICULTURAL EDUCATION MISSION

Agricultural education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resource systems.

The Florida FFA Association is a resource and support organization that does not select, control, supervise or approve local chapter or individual member activities except as expressly provided for in the Florida FFA Constitution and Bylaws.

The Florida FFA Association affirms its belief in the value of all human beings and seeks diversity in its membership, leadership and staff as an equal opportunity employer.

William Jameson, State FFA President

William Jameson is from the South Sumter FFA Chapter in Bushnell, Florida. His story begins in Balm, Florida in Hillsborough County. Growing up his parents were hard at work trying to start their own citrus nursery. Their lives revolved around the family business and at a young age Jameson's involvement within agriculture got started. He did small jobs around the nursery including projects like planting trees, putting soil in pots and sweeping floors, whatever he could at such a young age. In 2006, his parents decided that in order to be sustainable, the nursery had to move. At the time Citrus Canker was becoming an increasing problem within the state and his parents believed that they needed to isolate the nursery from the rest of the industry for disease prevention. They moved from Balm to Lake Panasoffkee during the summer between Jameson's second and third grade year. His involvement continued to grow within the nursery and became his primary SAE within the FFA.

Jameson discovered the FFA in the fourth grade when his older brother, Nathan, joined. Little did he realize that his parents, grandfather, uncles and the majority of his cousins were also members of the FFA and joining became a natural next step in his life. The first day of sixth grade he could not wait to pay his dues and start his journey within this life changing organization. He participated in almost everything he could when he first started. One of his favorite experiences through the FFA is the time he spent raising and showing pigs.

Following his year of service, Jameson plans to start college working towards a degree in Agricultural Communications from the University of Florida. He hopes to start a career working as lobbyist for an agricultural-related group.

Emily Little, State FFA Secretary

Emily Little is from the Sebring FFA Chapter in Sebring, Florida and currently lives in Gainesville. She has been an FFA member since the 6th grade, growing her leadership skills tremendously through the organization. Though no previous experience with agriculture, she felt at home as soon as she walked into her middle school agriculture classroom and knew she had found her place. Emily is passionate about Gator football, agriculture, and her faith. This fall, Emily will attend the University of Florida where she will major in Agricultural Education and Communications with the intent to pursue a career in public relations in the agriculture field.

I HE FLORIDA SENATE
3/13/12 (Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)
Meeting Date Bill Number (if applicable) Topic MIAMINT. AG el CATTE Stow - Amendment Barcode (if applicable)
Name COMM. JAVIER D. JOUTO -
Job Title Convy Convy SIONER, MIAMI- SMATHE
Address Phone 305-222-2116
Street MINMI FL. 33/2 Email javier Sou to a mamining
Speaking: For Against Information Waive Speaking: In Support Against (The Chair will read this information into the record.)
Representing MIAMI-DASE Country
Appearing at request of Chair: Yes No Lobbyist registered with Legislature: Yes No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

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S-001 (10/14/14)

Тне Г	FLORIDA SENATE
	ANCE RECORD enator or Senate Professional Staff conducting the meeting)
Meeting Date	Bill Number (if applicable)
Topic FFA	Amendment Barcode (if applicable
Name_William Jameson	
Job Title State President	
Address <u>480 CR 416 5</u>	Phone 352-293-0213
Street Lake Panasoffkei IFL	33538 Email William Jame con @ flaffa. 000
City State	Zip
Speaking: For Against 🗸 Information	Waive Speaking: In Support Against (<i>The Chair will read this information into the record.</i>)
RepresentingFFA	
Appearing at request of Chair: 🗹 Yes 🗌 No	Lobbyist registered with Legislature: Yes 📝 No

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S-001 (10/14/14)

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		APPE	ARANCE	RECO	RD			·
3-13-17	(Deliver BOTH c	opies of this form to	o the Senator or Sena	te Professional St	aff conducting	the meeting)		
Meeting Date	-						Bill Number (if	applicable)
Topic FFA						Amendr	ment Barcode (i	f applicable)
Name Emily	Little							
Job Title Florida	FFA St	ate Ser	cretary					
///////////////////////////////////////	SW Willis	ton I.d.	Gainesvill	e, FL qiz	Phone	863-2	14-2099	
Street			3	2608	Email <u>e</u>	nily.li	ttle@Platf	a org
City		State	e	Zip				0
Speaking: For	Against	✓ Informat	ion	Waive Sp (The Chai		In Sup	port Ag	gainst ecord.)
Representing	FA							
Appearing at request	of Chair: 🔽	Yes N	No Lobi	oyist registe	ered with	Legislatu	ıre: 🔄 Yes	No

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S-001 (10/14/14)























Beef Production in Florida

Todd Thrift University of Florida IFAS

Beef Cattle Industry Overview









Cow Calf Segment-Turning Forage into Beef





15,500 Beef Cow Operations



6.5 Million Acres of Ranchland1 Million Beef Cows10th Nationally in Beef Cows


Rank of Major States: Beef Cows





1998 NW NP NE is 45 96 MW 14 28 SW 69 SP SE 45 28 U.S. 40 Source: USDA

Average Beef Cow Herd Size by Region



FIGURE 8.4 Location of cow-calf operations having at least 500 cows per operation. One dot represents one cow-calf operation. *Source:* U.S. Census data.

Florida is Unique in the Region

- Florida has 7 of the top 15 largest cattle ranches in the US.
- About ten ranches in Florida with over 7,000 mature cows
- Cattle are a part of major Agribusiness

 Timber, Sod, Citrus, Hunting, Sugarcane, Vegetables, Row Crops

Beef Cows Per Square Farm Mile

68.79 1 Tennessee 2 Florida 65.34 3. Virginia 54.89 Kentucky 53.35 4. 5. Hawaii 49.08 6. 48.10 Alabama 7. 46.06 Missouri 8. 43.72 Arkansas 9. Louisiana 40.31 37.64 10 Oklahoma

Marketing and Economics

AVERAGE WGT

PRICE





Ranch Cattle Sales Greater than \$500 Million/year 750,000 calves



Cost to produce a calf in 2016\$600Current value of that calf\$700Capital investment per cow\$10,000-15,000Average estimation of back and back584 average

Average age of beef producer 58+ years



Great Plains Summer Grass





Feedlot Segment









- ✓ Large capacity
- ✓ Single species
- ✓ Process
 - -Harvest
 - -Chill
 - -Grade
 - -Fabricate
 - -Package



United States Packers > 1,000 Head January 1, 1998



Research for a Sustainable Agricultural Industry



Ona-Range Cattle Research Center

UF FLORIDA **UF/IFAS** Range Cattle Research and liducation Center

Weed Management, Forages & Soil

- Smutgrass management in bahiagrass pastures
- Fertilizer applications for broomsedge management
- o Management of grass weeds in hayfields
- Agronomic and environmental impacts of fertilization of Florida pastures
- Soil carbon dynamics and impact on sequestration and greenhouse gas emmissions
- Management practices to optimize forage production and quality in tropical and subtropical regions.
- Supplementation strategies for Florida beef cattle operations.





Joao Vendramini

Brent Sellers





Beef Cattle Nutrition & Management

- Year-round supplementation of pregnant beef cows
- Late gestation supplementation effects on calf development.
- Cost-effective supplementation programs for replacement heifers.

- Optimizing trace mineral nutrition of the pre-weaned calf
- Selenium nutrition of grazing beef cattle
- Influence of stress in normal beef management practices







Wildlife Ecology & Conservation

- o Impact of large invasive mammals on cattle operations
- o Understanding calf loss in Florida
- o Importance of ranchlands to wildlife and endangered species.

Livestock & Forage Economics

- Marketing Florida's feeder calves
- Impact of warm-season legumes on calf performance
- Planting and grazing cool-season annual forages







Marianna Beef Unit



Gainesville-Santa Fe Beef Unit



The unit has 42 2-acre grass pastures that are utilized for nutritional type research. Pasture forages consist mostly of Pensacola and Tifton-9 bahiagrasses.

Gainesville-Beef Research Unit





Beef Production in Florida Presents Some Unique Challenges



Current Beef Production in Florida

Fresh From Florida Beef

- Aims to change the traditional route that beef has taken to get to the consumer
- Eliminate the out-of-state
- Source cattle, grow cattle, feed-finish cattle, and process beef cattle all in Florida
- Florida Cattle Ranchers
- Publix







Gainesville–Beef Teaching Unit



Gainesville–Beef Teaching Unit UF IFAS Photography



Questions?


















Liz Steele

Practicing Bovine Veterinarian Highlands, Hardee, Desoto, Polk, Glades, Okeechobee Counties Florida Cattleman's Association Animal Health Committee Chair

Animal Health Issues

New World Screwworm



Diagnostic Capabilities



Animal Health Issues

Veterinary Feed Directive

T. fetus Importation Rule





Research CEB

- Opportunity knocks
 - OFD (Ovarian Follicular Dysplasia)



State of the Industry





































Florida Cattlemen's Association & Southeast Milk 2017 Legislative Issues

Budget – Cattle Enhancement Board: Cattle Enhancement Board continued funding; presently \$2m recurring in FDACS budget, managed by CEB board that is producer driven. Money is for much needed research & promotion.

Budget – Land Conservation: \$100 million for Rural & Family Lands Program in FDACS and \$100 million for FDEP for conservation easements.

RURAL AND FAMILY LANDS PROTECTION PROGRAM AND FLORIDA FOREVER

RURAL AND FAMILY LANDS PROTECTION PROGRAM (RFLPP)

Agricultural Conservation Easement Program under Florida Department of Agriculture and Consumer Services. RFLPP's primary mission is the **protection of agricultural lands**.

FLORIDA FOREVER

Florida's conservation lands program under Florida Department of Environmental Protection (fee-simple and conservation easements). The primary goals of Florida Forever conservation easements are to: **protect high priority natural resource areas and ensure our water resources are protected**.

RFLPP and Florida Forever Conservation Easements are critical to the health of the landscape; they both protect water quality and supply for urban areas, maintain our agricultural economy, and protect Florida's tourist economy. FLORIDA'S LAND CONSERVATION PROGRAMS 2018 BUDGET

- PROVIDE ^{\$}100 MILLION in funds for the Rural and Family Lands Protection Program
- RESTORE ^{\$}100 MILLION in funding for Florida Forever conservation easement projects

FLORIDA CONSERVATION GROUP: We represent a coalition of landowners from across the state of Florida. Over a million acres represented and growing. Please contact: info@floridaconserve.org or call: 863.832.0971, 941.812.1785 or 941.234.7201 for more information.



Fia. Forever - RFLPP overlaps are included in acreages shown for other classes. Map by Conservation Geographics. Date: January 2017. Data: Environmental Systems Research institute, Florida Fish and Wildlife Conservation Commission Florida Forest Service, Florida Geographic Data Library, Florida Natural Areas Inventory, University of Florida Center for Landscape Conservation Planning, U.S. Census Bureau, U.S. Geological Survey. Projection: Albers Conical Equal Area

Budget – Dept. of Agriculture:

- \$15 million in the Land Acquisition Trust Fund to address agricultural nutrient reduction and water retention projects at the basin, sub-basin and farm levels in the Lake Okeechobee Watershed.
- \$1.5 million in General Revenue funding to continue the Agricultural Water Supply Planning and Conservation Program.
- \$1.5 million in General Revenue funding to continue the Agricultural Water Supply Planning and Conservation Program.
- \$500,000 of Agricultural Emergency Eradication Trust Fund authority to respond to increasing incidents of invasive plant pest and disease outbreaks.
- \$4.1 million of General Revenue funding to complete a new diagnostic animal lab building, and \$350,000 recurring dollars to re-open the Live Oak Lab, as a satellite lab to the Bronson lab, to better serve the North Florida livestock producers.

Ag Legislation: Support updates to brand registration (SB498 by Young and HB467 by Raburn); Support SB1536 by Perry and HB1231 by Raburn to clear up ag definitions in Right to Farm Act and allow the use of paint to legally post land.

Sales Tax Exemptions for Agriculture – FDOR has ruled animal medications NOT purchased from a veterinarian are subject to sales tax; also contain a sales tax exemption for building fences. (SB1536 by Sen. Perry, HB765 by Rep. McClain, HB1231 by Raburn).

UF/IFAS- Workload Increase- UF/IFAS is requesting \$3.9 million for a Workload increase **HB 3179 Water Quantity and Quality BMP** \$1.8 million will provide UF/IFAS with resources to develop the next generation of agricultural BMP's to help the industry work toward meeting state and federal water quality and quantity standards. \$2.24 million the state provides for Animal Ag Industry Science and Technology.

Please contact Sam Ard at <u>sard@asrlegal.com</u> or Josie Tomkow at <u>itomkow@asrlegal.com</u> for the Florida Cattlemen's Association, and Ray Hodge at <u>southeastmilk@rayhodge.org</u> for Southeast Milk, Inc.

THE	FLO	RIDA	SENATE	-
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APPEARANCE RECORD

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(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Meeting Date	Bill Number (if applicable)
Topic Cattle / NDS.	Amendment Barcode (if applicable)
Name_Ned L. Waters	
Job Title President Floripa Cattler	vers NSSO.
Address <u>GOI O/d Jake Wales Rd.</u>	Phone
City Bartow FL. 33836 State Zip	2 Email <u>Maters Cattle a gene</u>
	e Speaking: In Support Against Chair will read this information into the record.)
RepresentingFloripa Cattlemens }	V5-50-
Appearing at request of Chair:	istered with Legislature: 🔄 Yes 📃 No

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	DRIDA SENATE	
APPEARAI	NCE RECO	RD V
3/13/17 (Deliver BOTH copies of this form to the Senato	r or Senate Professional S	Staff conducting the meeting)
Meeting Date		Bill Number (if applicable)
Topic Beef Production in Fl		
Name Todd Thouft		Amendment Barcode (if applicable
Job Title Associate Professor		
Address PD Box 110910		Phone 352-392-8597
Street Ganeguille FL	32643	Email tathrifte ufliedu
Speaking: For Against X Information	Zip Waive Sp (The Chai	beaking: In Support Against ir will read this information into the record.)
Representing Florida Cattlehans		
Appearing at request of Chair: 🔀 Yes 🗌 No	Lobbyist registe	ered with Legislature: 🗌 Yes 🕅 No

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THE FLORIDA SENATE

APPEARANCE RECORD

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(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Meeting Date	Bill Number (if applicable)
Topic Seminale Castle History	Amendment Barcode (if applicable)
Name Alex Johns	
Job Title Cettle Manager	
Address 1215 S. Turker Pidgo Rd	Phone <u>863-634-1546</u>
Okce No bes [] City State	Zip Email Alex Johns @ sem tribe. Com
Speaking: For Against Information	Waive Speaking: In Support Against (The Chair will read this information into the record.)
Representing <u>Cortida</u> Catulanens	Assaciotion
Appearing at request of Chair: Yes No Lobby	vist registered with Legislature:YesNo

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THE FLORIDA SENATE	
APPEARANCE RECO	
3.13.17 (Deliver BOTH copies of this form to the Senator or Senate Professional S	Staff conducting the meeting)
Meeting Date Florida Topic Cattlemen Animai Health	Bill Number (if applicable)
Topic Cattlemen-Animai Health	Amendment Barcode (if applicable)
Name LIZ Steele	
Job Title Veterinarian	
Address 7713 S.R. 64 E.	Phone 863-441-0716
ZOIRD Springs FZ 33890 City State Zip	Email <u>Steeleeguine</u>
Speaking: For Against Information Waive Speaking: The Chai	peaking: In Support Against ir will read this information into the record.)
Representing Florida Beef Industry	S
Appearing at request of Chair: 🗹 Yes 🗌 No 🛛 Lobbyist registe	ered with Legislature: Yes No

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THE FL	ORIDA SENATE
APPEARA	
(Deliver BOTH copies of this form to the Sena Meeting Date	tor or Senate Professional Staff conducting the meeting)
A ATI TIL	Bill Number (if applicable)
Topic Calle Industry	Amondment Percede (if and it is
Name Koger West	Amendment Barcode (if applicable)
Job Title Owner - Beef Cattle	
Address 2229 SW 56th Ave	Phone <u>352-267-8029</u>
Gaineson le FL City State	32608 Email West Ogatorinet
Speaking: 🔏 For 🔄 Against 🔄 Information	Waive Speaking: In Support Against (The Chair will read this information into the record.)
Representing Florida Cattlene	
Appearing at request of Chair: 🔀 Yes 🗌 No	Lobbyist registered with Legislature: 🗌 Yes 🔫 No

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APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

/3	MARCH	2	Ø	1	7
•	Meeting Date				

№ /A Bill Number (if applicable)

Topic FLORIDA CATTLE INDUSTRY		Amendment Barcode (if applicable)
Name DAVID WRIGHT		
Job Title PROPERTIES MANAGER, DESERE	TRANCH	
Address 13579 DESERET LANE Street		Phone (407) 892-3672
ST. CLOUD FLORIDA City State	3 477 <u>3</u> Zip	Email dwright@ deservet ranches.
Speaking: For Against Information		peaking: In Support Against ir will read this information into the record.)
Representing FLORIDA CATTLEMEN'S	ASSOCIATI	on
Appearing at request of Chair: Yes No	Lobbyist regist	ered with Legislature: 🗌 Yes 🗹 No

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	RIDA SENATE		
APPEARAI	NCE RECO	RD	
3/13/17 (Deliver BOTH copies of this form to the Senato	r or Senate Professional S	Staff conducting	the meeting)
Meeting Date			Bill Number (if applicable)
Topic LAND Mat			Amendment Barcode (if applicable
Name WES CARIton			ninenament Darcoue (ir applicable
Job Title Owner / Mar			
Address 3810 Eleven Mile Rd		Phone_	177-216-41881
F1 Pierce F1 City State	34945 Zip	Email	
Speaking: For Against Information	, Waive Sp	eaking: [ir will read ti	In Support Against
Representing <u>FCA</u>			
Appearing at request of Chair: Yes No	Lobbyist registe	ered with	Legislature: Yes No

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THE FLORIDA SENATE	
APPEARANCE RECO	RD
3/13/17 (Deliver BOTH copies of this form to the Senator or Senate Professional S	
Meeting Date	Bill Number (if applicable)
Topic _ Florida Cattlemens Association	Amendment Barcode (if applicable)
Name JOSIE TOMKOW	
Job Title intern	
Address 16722 Spring Valley Rd	Phone 352 458-1456
Dade City	Email itom Kow Dasrlegal.com
City State Zip	0
Speaking: For Against V Information Waive Speaking: (The Cha	beaking: In Support Against ir will read this information into the record.)
Representing FCA	
Appearing at request of Chair: Yes No Lobbyist regist	ered with Legislature: Ves No
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THE FLORIDA SENATE APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Meeting Date

Bill Number (if applicable)

Topic Florida Cattlemens Associa	stion -
Name Jim Handley	Amendment Barcode (if applicable)
Job Title <u>Arcutive</u> Vie Pres du	t
Address BOD Shakerag Rd	Phone 407-466 3211
City State	34742 Email Jim@ Plovidalettlemen.org
Speaking: For Against Information	Waive Speaking: In Support Against
Representing Florida Cuttlemen's As	(The Chair will read this information into the record.)
Appearing at request of Chair: Yes No	Lobbyist registered with Legislature: Yes No

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	Тн	e Florida Senate	
	(Deliver BOTH copies of this form to the	RANCE RECO Senator or Senate Professional S	
Meeting Date	_		Bill Number (if applicable)
Topic <u>Cattle</u>	Industry Presento	Vian	Amendment Barcode (if applicable)
NameSan	n Ard		
Job Title <u>Gov'_{+}</u>	Affairs		
Address Pober	x 10406		Phone 850 591 2731
City	FC State	<u>32302</u> Zip	Email Sard Dasrlegal, com
Speaking: For	Against Against		peaking: In Support Against ir will read this information into the record.)
Representing <u>F</u>	lorida Cattlemen's	Assn	
Appearing at request	of Chair: Yes No	Lobbyist regist	ered with Legislature: X Yes No

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CourtSmart Tag Report

Room: SB 30 [°] Caption: Ser	nate Agriculture Committee	Case No.: Judge:	Туре:		
Started: 3/13/2017 4:02:32 PM Ends: 3/13/2017 5:57:55 PM Length: 01:55:24					
4:02:33 PM	Meeting called to order by Chai				
4:02:52 PM	Roll call by Administrative Assis	stant Laureen Zaugg			
4:03:03 PM	Quorum present				
4:03:12 PM	Comments by Chair Perry				
4:03:40 PM 4:04:11 PM	Introduction of Future Farmers of America speakers by Chair Perry				
4:10:59 PM	Speakers William Jameson and Emily Little Question from Emily Little regarding water supply				
4:11:06 PM	Response from Chair Perry				
4:13:01 PM	Question from William Jameson regarding FFA members				
4:13:09 PM	Response from Senator Steube				
4:14:45 PM	Response from Senator Rader				
4:16:10 PM	Comments from Chair Perry				
4:19:15 PM	Introduction of Speaker, former Representative Javier Souto				
4:19:43 PM	Speaker Javier Souto, County Commissioner, Miami Dade County				
4:24:47 PM 4:25:16 PM	Introduction of Florida Cattle Industry by Chair Perry Speaker Mr. Ned L. Waters, President, Florida Cattlemen's Association				
4:33:01 PM	Speaker Dr. Todd Thrift, Associate Professor				
4:48:02 PM	Question from Senator Steube				
4:48:21 PM		Associate Professor, Gainesville - Beef Producti	on in FL		
4:48:36 PM	Follow-up question				
4:48:46 PM	Response by Dr. Thrift				
4:48:57 PM	Comments from Chair Perry				
4:49:07 PM	Response from Senator Steube				
4:49:29 PM		Manager from Okeechobee- Seminole Cattle His	story in FL		
5:00:31 PM 5:11:38 PM		arian, Zolfo Springs - Florida Beef Industry er Beef Cattle from Gainesville- Cattle Industry			
5:18:07 PM	Speaker Mr. David Wright, Properties Manager, Deseret Ranch, St. Cloud - regulations				
5:28:14 PM	Speaker Mr. West Carlton, Owner/Manager, Ft. Pierce - Land Management				
5:37:05 PM	Speaker Ms. Josie Tomkow, Intern at FCA, 3rd Generation Rancher, Dade City				
5:39:16 PM	Comments from Chair Perry				
5:39:31 PM	Question from Senator Rader				
5:39:58 PM	Response from Dr. Thrift				
5:41:44 PM 5:42:20 PM	Follow-up question from Senate	br Rader y, Executive Vice President- FCA			
5:44:21 PM	Response from Mr. Waters	y, Executive vice President-1 CA			
5:44:45 PM	Additional question from Senate	or Rader			
5:44:57 PM	Response from Dr. Thrift				
5:45:55 PM	Additional question from Senate	or Rader			
5:46:06 PM	Response from Dr. Thrift				
5:47:46 PM	Comments from Senator Rader				
5:48:20 PM	Question from Senator Powell				
5:48:46 PM 5:49:45 PM	Response from Mr. Handley	tor Powell			
5:50:30 PM	Additional questions from Senator Powell Response from Mr. Handley				
5:54:15 PM	Comments from Chair Perry				
5:54:36 PM	Question from Chair Perry				
5:54:42 PM	Response from Dr. Thrift				
5:55:50 PM	Additional comments from Chair Perry				
5:56:29 PM	Questions from Chair Perry				
5:56:35 PM	Response from Dr. Thrift Additional comments from Chair Perry				
5:56:48 PM 5:57:49 PM	Senator Steube moves to adjou				
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