Section/Division

Schedule by Section/Division

Sess	SION NO./TITLE	DATE & TIME	LOCATION
Kev	note/Plenary Sessions		
-	unday		
21	ASA, CSSA and SSSA Opening Keynote	6:00 PM - 7:00 PM	TCC, Ballroom C
24	fonday CSSA Breakfast, Awards, and Plenary		
	(Betty Klepper Endowed Lectureship)	7:00 AM - 9:00 AM	Marriott, Grand Ballroom E and F
	uesday		
178	SSSA Breakfast, Awards, and Plenary (Nyle C. Brady Frontiers of Soil Science Lectureship)	7:00 AM - 9:00 AM	Marriott, Grand Ballroom E and F
W	Vednesday		
329	ASA Breakfast, Awards, and Plenary	700 ANA 000 ANA	Maniall Care 1
	(E.T. & Vam York Distinguished ASA Lectureship)	7:00 AM - 9:00 AM	Marriott, Grand Ballroom E and F
	ASA, CSSA and SSSA Closing Keynote	5:00 PM - 6:00 PM	TCC, Ballroom C
<u>ASA</u>	A, CSSA and SSSA Special Sessions		
	Ionday		
52	Special SessionCareer Path Opportunities for Students, Post-Docs, and Early Career Members	9:30 AM - 11:00 AM	TCC, Ballroom D
53	Special Session SymposiumImproving Synergistic Activities	9.50 Alvi - 11.00 Alvi	TCC, Dalifoolit D
	between the Agro-Ecosystem and Botanic/Public	0.00 434 11.00 434	
	Garden Communities Special SessionRelatable Science – Communicating in 2017	9:30 AM - 11:30 AM 10:00 AM - 11:30 AM	TCC, 36 TCC, 15
96	Special Session SymposiumHow Can We Improve Our	1010011111 1110011111	100,10
05	Estimates of Indirect N2O Emissions?	1:30 PM - 3:35 PM	TCC, 21
85	Special Session SymposiumCitizen Science, on-Farm Trials and the Future of Agricultural Research	1:30 PM - 3:30 PM	Marriott, Grand
	, and the second s		Ballroom I and J
121	Special Session SymposiumEmeritus and Late-Career Members:		
	Exploring both Retirement Opportunities within our Sciences and Emeritus Membership Opportunities	3:00 PM - 4:30 PM	Marriott, Grand
			Ballroom G
120 131	Special SessionBehavioral Interviewing Workshop Special Session SymposiumDeveloping Research and Extension	3:00 PM - 4:30 PM	TCC, 25
131	Skills of Students in Integrated Agronomic Systems Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
174	Special Session SymposiumGlobal Ag Company Consolidation:		TCC 00
т	Driving Forces, Legal Challenges and Real Life Merger Examples uesday	5:00 PM - 6:40 PM	TCC, 23
179			
	and Motivational Program	7:30 AM - 4:00 PM	TCC, 1
193	Special SessionLab to Field: CCA 4R Nutrient Management and Soil Health Working Together	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
195	Special Session SymposiumThe U.S. Global Food Security Strategy:	0.0071101 1.001101	Warnott, Room o ana y
	Enhancing Resilience, Increasing Productivity, and Improving	0.00 414 10.00 414	
221	Nutrition through Agricultural Research Special SessionACS528 Diversity Student Poster Competition	8:30 AM - 10:30 AM 10:00 AM - 12:00 PM	TCC, Ballroom A TCC, East Exhibit Hall
229	Special Session SymposiumThe Nutrient Uptake	10.001101 12.001101	ree, East Exhibit Hui
22 0	and Outcome Network (NUOnet)	10:10 AM - 12:10 PM	Marriott, Florida Salon VI
239	Special SessionScience Policy Graduate Student Luncheon	12:00 PM - 1:30 PM	Marriott, Grand Ballroom E
273	Special SessionWomen in Science Workshop:		
328	Connecting Mindfulness and Work-Life Balance Screening of "Between Earth and Sky"	2:00 PM - 4:30 PM 7:00 PM - 8:30 PM	TCC, Ballroom D TCC, Ballroom D
	Vednesday	, ,00 I IVI - 0,00 I IVI	
341	Special Session SymposiumHumic Products: Uses in Crop		
	Production and Soil Improvement	8:00 AM - 12:00 PM	Marriott, Grand Ballroom B
356	Special Session SymposiumOrganic Agriculture Soil Health Research	9:30 AM - 11:35 AM	Ballroom B Marriott, Grand Ballroom G and H

ION NO./TITLE	DATE & TIME	LOCATION
Special Session SymposiumSoil Organic Matter Management		TCC, Ballroom A
Special SessionScience and Future of Sustainable Biotechnology-		TCC, 25
		TCC, 15
		TCC, 15
• •		ICC, 15
	<u>E5)</u>	
SASES Registration	5:00 PM - 9:00 PM	TCC, Registration
	7:00 PM - 8:00 PM	TCC, 37 and 38
SASES Committee Member Meeting		TCC, 37 and 38
aturday		,
SASES Registration	6:00 AM - 7:45 AM	TCC, Registration
	6:00 AM - 5:30 PM	TCC, Front Drive
	7:00 PM - 8:30 PM	TCC, 22 and 23
	8:30 PM - 9:30 PM	TCC, 22 and 23
Delegate Training for SASES Clubs	9:30 PM - 10:00 PM	TCC, 22 and 23
SASES Dance	10:00 PM - 11:55 PM	TCC, Riverwalk
	7·30 AM - 9·00 AM	TCC, Registration
	9:00 AM - 10:30 AM	Marriott, Grand
Undergraduate Research Contest - Oral I	12:30 PM - 3:00 PM	Ballroom E and F Marriott, Grand
Undergraduate Research Contest - Oral II	12:30 PM - 3:00 PM	Ballroom I Marriott, Grand
SASES National Speech Contest Prelims: I	3:15 PM - 4:45 PM	Ballroom G Marriott, Grand Ballroom I
SASES National Speech Contest Prelims: II	3:15 PM - 4:45 PM	Marriott, Grand Ballroom G
Hot Topics in Agronomy and Soil Science	3:30 PM - 5:00 PM	Marriott, Florida Salon I-
SASES Club Poster Contest	10:45 AM - 12:15 PM	Marriott, Ballroom F Foy
Graduate School Forum	7:00 PM - 9:00 PM	TCC, East Exhibit Hall
Exhibits & Career Center Open	7:00 PM - 9:00 PM	TCC, East Exhibit Hal
SASES Elections		TCC, 22 and 23
SASES Quiz Bowl	9:15 PM - 11:00 PM	TCC, 22 and 23
	8:30 AM - 10:00 AM	Marriott, Room 8 and
	9:00 AM - 10:00 AM	Marriott, Ballroom G
		TCC, East Exhibit Hall
		TCC, East Exhibit Hall
		Marriott, Room 8 and
		Marriott, Grand Ballroom G
*		Marriott, Grand Ballroom E Marriott, Grand
		Marriott, Grand Ballroom A
		TCC, Ballroom D
		TCC, East Exhibit Hall
		TCC, East Exhibit Hall
		TCC, East Exhibit Hal
		TCC, East Exhibit Hal
	4:00 PM - 6:00 PM	TCC, East Exhibit Hal
	4:00 PM - 6:00 PM	TCC, East Exhibit Hal
The Internship Experience: My Summer as an Intern	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
SASES Awards and Social	7:00 PM - 11:30 PM	Splitsville, 615 Chappelside I
uesdav		615 Channelside I
	9:00 AM - 6:00 PM	TCC, East Exhibit Hall
		TCC, East Exhibit Hall
	2.001101-0.001101	
	9.00 AM 4.20 PM	TCC, East Exhibit Hall
		TCC, East Exhibit Hall
Exhibits & Career Center Open	7.00 ATM - 4.00 I IVI	TCC, East Exhibit fiall
	Special Session SymposiumSoil Organic Matter Management Alternatives in a Smallholder Context Special SessionScience and Future of Sustainable Biotechnology- A Think Tank Session Special SessionRelatable Science – Communicating in 2017 Special SessionScience Communicators Reception lents of Agronomy, Soils and Environmental Sciences (SAS SASES Registration Center SASES National Officer Meeting SASES Committee Member Meeting SASES Tours Presidents Trophy Competition SASES Tours Presidents Trophy Competition SASES Basiness Meeting I Delegate Training for SASES Clubs SASES Registration SASES Basiness Meeting I Delegate Training for SASES Clubs SASES Registration SASES Begistration SASES Bregistration SASES Registration SASES Registration SASES Registration SASES Registration SASES National Speech Contest - Oral I Undergraduate Research Contest - Oral II SASES National Speech Contest Prelims: I SASES National Speech Contest Prelims: II SASES National Speech Contest Prelims: II Hot Topics in Agronomy and Soil Science SASES Club Poster Contest Graduate School Forum Exhibits & Career Center Open SASES Quiz Bowl Ionday SASES Club Presidents' Round Table SASES Club Presidents' Round Table SASES Club Presidents' Round Table SASES Club Presidents' Round Table Grad School Forum Exhibits & Career Center Open SASES Club Presidents' Round Table Grad School Forum Exhibits & Career Center Open CCA Career Accelerator Round Table Grad School Workshop for Undergrads Pop in with the Presidents SASES Advisor Luncheon Crops Judging Contest Showcase Career Fair Undergraduate Research Contest - Poster Section I Undergraduate Resear	Special Session Symposium-Soil Organic Matter Management Alternatives in a Smallholder Context Special Session -Science and Future of Sustainable Biotechnology- A Think Tark Session Special Session-Relatable Science - Communicating in 2017 Special Session-Relatable Science - Communicating in 2017 330 PM - 4:30 PM Lents of Agronomy, Soils and Environmental Sciences (SASES) riday SASES Registration Center SASES Registration SASES National Officer Meeting SASES Tours SASES Registration SASES Registra

Sessi	Cosponsored sessions are in on No./Title	DATE & TIME	Location
	238 Graduate Student Committee	BALLATINE	LOCAHON
	turday		
	Special SessionGraduate Student Leadership Conference	1:00 PM - 5:30 PM	Marriott, Grand Ballroom D
Su	Inday Special SessionGraduate Student Leadership Conference	7:30 AM - 2:00 PM	Marriott, Grand Ballroom D
	Graduate Student Networking Session - Building Professional Relations Workshop	4:00 PM - 6:00 PM	TCC, Ballroom D
52	onday Special SessionCareer Path Opportunities for Students, Post-Docs, and Early Career Members	9:30 AM - 11:00 AM	TCC, Ballroom D
79	Special SessionTips from the Experts on the Job Application and Interviewing Process	1:00 PM - 2:30 PM	TCC, 25
	Special SessionCommunicating Your Science: Messaging for a Greater Impact Workshop Special SessionBehavioral Interviewing Workshop	2:00 PM - 3:00 PM 3:00 PM - 4:30 PM	Marriott, Room 8 and 9 TCC, 25
Tu	lesday		
	Special SessionNegotiation Strategies for Early Career Scientists Workshop Special SessionScience Policy Graduate Student Luncheon	9:30 AM - 11:30 AM 12:00 PM - 1:30 PM	TCC, 25 Marriott, Grand Ballroom E
	Special SessionElevator Speech Contest for Grad Students and Post-Docs	5:30 PM - 7:00 PM	TCC, 3
	ednesday Science Not Silence: An Advocacy Workshop	9:30 AM - 11:00 AM	Marriott, Room 9
385	Special SessionScience and Future of Sustainable Biotechnology- A Think Tank Session	11:30 AM - 1:00 PM	TCC, 25
ACS	530 Early Career Members		
	onday		
52 79	Special SessionCareer Path Opportunities for Students, Post-Docs, and Early Career Members Special SessionTips from the Experts on the Job Application and	9:30 AM - 11:00 AM	TCC, Ballroom D
	Interviewing Process	1:00 PM - 2:30 PM	TCC, 25
	Special SessionBehavioral Interviewing Workshop Iesday	3:00 PM - 4:30 PM	TCC, 25
204	Special SessionNegotiation Strategies for Early Career Scientists Workshop	9:30 AM - 11:30 AM	TCC, 25
	Special SessionInteractive Workshop: Writing Manuscripts for Publication	1:00 PM - 3:00 PM	TCC, 25
	Special SessionExpert panel: ASA/CSSA/SSSA Journals – From Manuscript Submission to Publishing.	3:15 PM - 5:00 PM	TCC, 25
	ednesday Special SessionGrant Application Navigation and Resources for Expanding Early Career Opportunities	1:30 PM - 3:30 PM	TCC, 25
ASA	Section: Agronomic Production Systems		
Μ	onday		
46 55	Applied Soybean Research (includes student competition) SymposiumEconomic Viability of Short- Vs Long-Term Cropping	8:45 AM - 3:35 PM	Marriott, Room 1
104	Systems Crop Ecology, Management and Quality General Oral I	9:30 AM - 11:30 AM 1:30 PM - 3:45 PM	Marriott, Florida Salon VI Marriott, Grand Ballroom C
87	SymposiumEngineering Solutions and New Machines for Organic Agriculture	1:30 PM - 3:30 PM	Marriott, Florida Salon I-III
	General Soil Fertility and Plant Nutrition Poster I esday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
191	Agronomic Production Systems General Oral	8:00 AM - 11:35 AM	TCC, 3
190 215	Crop Ecology, Management and Quality General Oral II Organic Nutrient Sources and Enhancers	8:00 AM - 10:15 AM 9:30 AM - 12:00 PM	TCC, 39 TCC, 9
213 210	SymposiumCurrent Issues in Soil and Water Management	9:30 AM - 11:35 AM	TCC, 8
237	5 Minute RapidCrop Ecology, Management and Quality	11:30 AM - 12:00 PM	TCC, 39
258 249	SymposiumLong-Term Agro-Ecosystem Research (LTAR) SymposiumEvapotranspiration (ET) Under Pressure: Measuring and	1:30 PM - 3:35 PM	TCC, 14
295	Modeling ET Under Drought and Deficit Conditions Soil-Plant-Water Relations Poster (includes student competition)	1:30 PM - 3:30 PM 4:00 PM - 6:00 PM	TCC, 9 TCC, East Exhibit Hall

Session No./Title	DATE & TIME	LOCATION
303 Crop Ecology, Management and Quality General Poster II	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday		
359 Agronomic Production Systems General Oral II	9:30 AM - 12:00 PM	Marriott, Grand Ballroom D
381 Crop Ecology, Management and Quality General Oral III	10:55 AM - 12:00 PM	Marriott, Room 11
393 ASA Business MeetingAgronomic Production Systems	1:30 PM - 2:30 PM	TCC, 5
 391 Poster and 5 Minute RapidCrop Ecology, Management and Quality 	1:30 PM - 2:25 PM	TCC, 31
403 Managing Nutrients for Vegetable, Fruit and Specialty Crops	1:30 PM - 3:20 PM	TCC, 36
409 Agronomic Production Systems General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
436 Soil Fertility and Plant Nutrition of Agronomic Crops Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Applied Soybean Research Community		
Monday46 Applied Soybean Research (includes student competition)	8:45 AM - 3:35 PM	Marriott, Room 1
55 SymposiumEconomic Viability of Short- Vs Long-Term		
Cropping Systems	9:30 AM - 11:30 AM	Marriott, Florida Salon VI
Tuesday 274 <i>SymposiumDouble-Cropping Systems for Soybean</i>	2:00 PM - 4:00 PM	TCC, 5
303 Crop Ecology, Management and Quality General Poster II	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday	4.00 1 101 - 0.00 1 101	TCC, East Exhibit Haii
355 SymposiumUsing Economic Analyses to Complement		
Agronomic Data	9:30 AM - 11:30 AM	Marriott, Room 2
Bioenergy Systems Community		
Monday		
25 SymposiumIf You Use It, They Will Come: Using Social Media to		
Gain an Audience for Agriculture	7:50 AM - 9:50 AM	TCC, 10
38 General Bioenergy Systems Oral	8:00 AM - 4:15 PM	Marriott, Grand
T 1		Ballroom B
Tuesday		
183 SymposiumImpacts of Different Bioenergy Systems on Soil Health	8:00 AM - 10:00 AM	TCC, 4
291 Bioenergy Systems Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	4.00 1 101 - 0.00 1 101	ICC, East Exhibit Hall
Wednesday 410 General Bioenergy Systems Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Cotton and Other Fibers Community		100, 200 2,000 100
Sunday		
15 SymposiumImproving the Competitiveness of Natural Fibers to		
Increase Market Share	3:00 PM - 5:00 PM	TCC, 7
Monday	5.00 1 101 - 5.00 1 101	100,7
25 SymposiumIf You Use It, They Will Come: Using Social Media to		
Gain an Audience for Agriculture	7:50 AM - 9:50 AM	TCC, 10
Crop Irrigation Strategies and Management Community		,
Monday		
88 SymposiumManaging Water and Salinity through Variable Rate		
Irrigation	1:30 PM - 3:30 PM	Marriott, Room 11
Tuesday		
249 SymposiumEvapotranspiration (ET) Under Pressure: Measuring and		
Modeling ET Under Drought and Deficit Conditions	1:30 PM - 3:30 PM	TCC, 9
295 Soil-Plant-Water Relations Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Thursday	0.00 + 1 4 - 0.00 P1 4	
Tour the Citrus Research and Education Center in Lake Alfred, Florida	9:00 AM - 3:00 PM	TCC, Front Drive
Nutrient Management Professionals Community		
Monday		Mendell Florid Color III
28 General Nutrient Management Oral	7:55 AM - 12:00 PM	Marriott, Florida Salon I-III
161 <i>Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse,</i> <i>Speciation, and Availability Poster (includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday	4.00 1 101 - 0.00 1 101	TCC, East Exhibit Hall
193 Special SessionLab to Field: CCA 4R Nutrient Management and		
Soil Health Working Together	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
Wednesday		
403 Managing Nutrients for Vegetable, Fruit and Specialty Crops	1:30 PM - 3:20 PM	TCC, 36
Organic Management Systems Community		
Monday		
87 SymposiumEngineering Solutions and New Machines for		
Organic Agriculture	1:30 PM - 3:30 PM	Marriott, Florida Salon I-III
62		

Cosponsored	sessions	are	identified	in	italic.
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Cosponsored sessions are i	dentified in <i>italic</i> .	
Session No./Title	DATE & TIME	LOCATION
Tuesday		
 200 General Organic Management Systems Oral I (includes student competition) 292 General Organic Management Systems Poster 	9:25 AM - 11:45 AM	TCC, 31
(includes student competition) Wednesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
356 Special Session SymposiumOrganic Agriculture Soil Health Research	9:30 AM - 11:35 AM	Marriott, Grand Ballroom G and H
407 General Organic Management Systems Oral II	1:30 PM - 4:05 PM	TCC, 20
Precision Agriculture Systems Community		
Sunday Agricultural Drones: Principles and Applications Monday	1:00 PM - 5:00 PM	TCC, 25
33 Development of Tools for Precision Agriculture I		
(includes student competition)60 Outcomes of an Innovative Public-Industry Corn Nitrogen	8:00 AM - 10:50 AM	Marriott, Room 3
Research Partnership137 Current Research for Advancing Precision Agriculture Poster	10:00 AM - 11:15 AM	Marriott, Room 2
(includes student competition) Tuesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
 223 Symposiumthe Role of Precision Ag Tools for Profitability 269 Development of Tools for Precision Agriculture II 	10:00 AM - 12:00 PM 1:30 PM - 4:30 PM	TCC, 7 TCC, 8
Wednesday402SymposiumNext Generation Soil Health Assessment	1:30 PM - 3:20 PM	TCC, 18
Professional Applied Agronomists Community		
Monday28General Nutrient Management Oral	7:55 AM - 12:00 PM	Marriott, Florida Salon I-III
Semi-arid Dryland Cropping Systems Community		
Monday	1.20 DM 2.25 DM	Marriatt Elarida Calar IV
 97 Semiarid Dryland Cropping Systems Oral 138 Semiarid Dryland Cropping Systems Poster (includes student competition) 	1:30 PM - 3:35 PM 4:00 PM - 6:00 PM	Marriott, Florida Salon IV TCC, East Exhibit Hall
Tuesday		100, 2400 2,41010 1141
189 SymposiumCover Crops and Forage Utilization in Integrated Crop-Livestock Systems I	7:50 AM - 9:45 AM	TCC, 19
222 SymposiumCover Crops and Forage Utilization in Integrated Crop-Livestock Systems II	10:00 AM - 12:00 PM	TCC, 19
252 SymposiumCover Crops and Forage Utilization in Integrated Crop-Livestock Systems III	1:30 PM - 3:30 PM	TCC, 19
Sensor-based Nutrient Management Community		
Monday54 SymposiumInnovative Applications of Crop Sensors for		
Improved Nutrient Management	9:30 AM - 11:30 AM	Marriott, Grand Ballroom C
Tuesday226Sensor-Based Nutrient Management Oral Session		
(contains student competition)	10:10 AM - 11:10 AM	TCC, 4
Soil and Water Management Professionals Community		
Tuesday 193 Special SessionLab to Field: CCA 4R Nutrient Management and		
Soil Health Working Together	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
210 SymposiumCurrent Issues in Soil and Water Management	9:30 AM - 11:35 AM	TCC, 8
Solar Corridor Crop System Community Tuesday		
272 Alternative Cropping Systems and Soil Health	1:30 PM - 4:40 PM	TCC, 7
Weedy and Invasive Plant Species Community Monday		
98 SymposiumFuture of Weed Science: Thinking Beyond Herbicides in the Agricultural Landscape	1:30 PM - 3:35 PM	Marriott, Room 2
Tuesday246 Future of Weed Science: Thinking Beyond Herbicides in the Agricultural Landscape	1:30 PM - 2:55 PM	TCC, 4
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	Cosponsored sessions are id		
	SION NO./TITLE	DATE & TIME	LOCATION
ASA	Section: Biometry and Statistical Computing		
S	unday		TCC 04
	Farm-to-Table: On-Farm Trial Data P. You Pagdy for Norn Tools to Managa Pasagraph Pasagraph	1:00 PM - 5:00 PM 1:00 PM - 5:00 PM	TCC, 24 TCC, 20
N	R You Ready for New Tools to Manage Research Resources? fonday	1:00 FIM - 5:00 FIM	100,20
	Linear Mixed Models for Plant Scientists with ASReml-R	8:00 AM - 12:00 PM	TCC, 25
1 248	uesday SymposiumOn-Farm Research: Data Exploration and Analysis	1:30 PM - 3:30 PM	Marriott, Grand
240	Symposium-On-1 and Rescarch. Data Exploration and ritarysis	1.50 1 101 - 5.50 1 101	Ballroom I and J
281	Round TableOn-Farm Research: Data Exploration and Analysis		
	with Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand
287	ASA Business MeetingBiometry and Statistical Computing	4:00 PM - 4:30 PM	Ballroom I and J Marriott, Grand Ballroom I and J
	Vednesday		
354	Beyond RCBD:Experimental Design for Spatial Variability	9:30 AM - 11:15 AM	Marriott, Florida Salon I-III
384	Bayesian Based Agronomic Decision Systems Analyzing Repeated Measures Data	11:15 AM - 12:00 PM 1:00 PM - 5:00 PM	Marriott, Florida Salon I-II TCC, 7
394	Biometry and Statistical Computing General Oral	1:30 PM - 2:30 PM	TCC, 37
411	Biometry and Statistical Computing General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Bio	informatics in Crops and Soils Community		
	uesday		
247	SymposiumHow Is Plant Breeding Evolving with Rapidly		
	Emerging Data Sciences?	1:30 PM - 3:30 PM	Marriott, Grand Ballroom H
281	Round TableOn-Farm Research: Data Exploration and Analysis with		Dalif00III FI
	Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand
			Ballroom I and J
	tial Statistics Applications Community		
S	unday		
	Farm-to-Table: On-Farm Trial Data	1:00 PM - 5:00 PM	TCC, 24
۱۷ 26	londay SymposiumData, Big Data and Statistical Analysis for		
_0	Soils Investigations	7:55 AM - 10:00 AM	Marriott, Grand
	0		Ballroom A
	uesday		
281	Round TableOn-Farm Research: Data Exploration and Analysis with Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand
	Community Funning Sessions	5.50 I IVI - 4.00 I IVI	Ballroom I and J
V	Vednesday		
354	Beyond RCBD:Experimental Design for Spatial Variability	9:30 AM - 11:15 AM	Marriott, Florida Salon I-III
Stal	tistical Education/Training for Researchers Communit	v	
S	unday	•	
	Farm-to-Table: On-Farm Trial Data	1:00 PM - 5:00 PM	TCC, 24
IV	fonday Linear Mixed Models for Plant Scientists with ASReml-R	8:00 AM - 12:00 PM	TCC, 25
Т	uesday	0.00 ANI - 12.00 1 NI	100,25
281	Round TableOn-Farm Research: Data Exploration and Analysis with		
	Community Planning Sessions	3:30 PM - 4:00 PM	Marriott, Grand
			Ballroom I and J
ASA	Section: Climatology and Modeling		
	Ionday		
39	SymposiumAdvances in Crop Modeling Applications to Secure Food		
75	and Environmental Sustainability	8:10 AM - 11:30 AM	TCC, Ballroom A
75 T	ASA Business MeetingClimatology and Modeling uesday	11:30 AM - 11:55 AM	TCC, 6
180	Climatology and Modeling General Oral I	7:55 AM - 11:45 AM	TCC, 13
295	Soil-Plant-Water Relations Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	Vednesday		
364	Soil Carbon and Greenhouse Gas Emissions General Oral II	9:30 AM - 12:15 PM	TCC, 14 Marriatt Elarida Salan V
360 412	Climatology and Modeling Oral General II Climatology and Modeling General Poster	9:30 AM - 12:00 PM 2:30 PM - 4:30 PM	Marriott, Florida Salon V TCC, East Exhibit Hall
412	Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
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Session No./Title	DATE & TIME	LOCATION
Agroclimatology and Agronomic Modeling Community		
Monday SymposiumAdvances in Crop Modeling Applications to Secure Food and Environmental Sustainability	8:10 AM - 11:30 AM	TCC, Ballroom A
Tuesday 97 Symposiumthe Future of Remote Sensing for Agriculture: How This Information Can be Effectively Used for Decision Making	9:00 AM - 11:05 AM	TCC, 5
Wednesday 60 Climatology and Modeling Oral General II	9:30 AM - 12:00 PM	Marriott, Florida Salon V
Airborne and Satellite Remote Sensing Community		
Sunday Agricultural Drones: Principles and Applications Monday	1:00 PM - 5:00 PM	TCC, 25
9 Agricultural Remote Sensing General Oral		
(includes student competition) 39 Agricultural Remote Sensing General Poster Tuesday	9:00 AM - 4:25 PM 4:00 PM - 6:00 PM	TCC, 5 TCC, East Exhibit Hall
97 Symposiumthe Future of Remote Sensing for Agriculture: How This Information Can be Effectively Used for Decision Making	9:00 AM - 11:05 AM	TCC, 5
 23 Symposiumthe Role of Precision Ag Tools for Profitability 49 SymposiumEvapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions 	10:00 AM - 12:00 PM 1:30 PM - 3:30 PM	TCC, 7 TCC, 9
Wednesday		
68 SymposiumProximal and Remote Sensing Techniques in Soil Physics and Hydrology	9:55 AM - 12:00 PM	Marriott, Grand Ballroom I and J
01 <i>Proximal and Remote Sensing Techniques in Soil Physics and Hydrology</i>	1:30 PM - 3:05 PM	Marriott, Grand Ballroom I and J
iophysical Measurements and Sensors Community Tuesday		
 49 SymposiumEvapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions Wednesday 	1:30 PM - 3:30 PM	TCC, 9
58 SymposiumAdvances in Characterizing Agriculture's Role in the Nitrogen Cycle: Measurement Methods, Instruments, and Insights	9:30 AM - 11:50 AM	Marriott, Florida Salon IV
Evapotranspiration Measurement and Modeling Commun Tuesday	nity	
49 SymposiumEvapotranspiration (ET) Under Pressure: Measuring and Modeling ET Under Drought and Deficit Conditions	1:30 PM - 3:30 PM	ТСС, 9
(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
 Wednesday 66 Evapotranspiration Measurement and Modeling Oral (includes student competition) 	9:40 AM - 11:25 AM	Marriott, Room 3
Global Climate Change Community		
Monday SymposiumAgricultural Management Practices Effect on Greenhouse		
Gas Emissions, Mitigation Strategies, and Modeling6 AgMIP: Recent Findings of the Agmip Projects	8:00 AM - 10:05 AM 10:20 AM - 11:25 AM	TCC, 9 TCC, 6
3 Global Climate Change: More Recent Observations and Adaptations (includes student competition)	1:30 PM - 3:05 PM	TCC, 36
 Tuesday Global Climate Change and AgMIP: More Recent Observations and Adaptations Poster 	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
 Wednesday 64 Soil Carbon and Greenhouse Gas Emissions General Oral II 19 Soil Carbon and Greenhouse Gas Emissions General Poster I 	9:30 AM - 12:15 PM 2:30 PM - 4:30 PM	TCC, 14 TCC, East Exhibit Hall
Model Applications in Field Research Community		
Monday SymposiumAdvances in Measuring and Modeling Crop		
Water Requirements	1:30 PM - 3:30 PM	TCC, 12
140 Examples of Model Applications in Field Research Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall

Cosponsored sessions are id	entified in <i>italic</i> . Date & Time	Location
Tuesday	DATE & TIME	LOCATION
201 Examples of Model Applications in Field Research Oral	9:25 AM - 3:15 PM	TCC, 12
Sensor-based Water Management Community		
Monday 88 SymposiumManaging Water and Salinity through		
Variable Rate Irrigation	1:30 PM - 3:30 PM	Marriott, Room 11
Tuesday		
205 SymposiumA Cross-Section of Sensors for Improving Crop Water Management	9:30 AM - 11:30 AM	TCC, 6
 Wednesday 361 Crop Water Management By Plant or Soil Water Sensors 368 SymposiumProximal and Remote Sensing Techniques in Soil Physics 	9:30 AM - 12:00 PM	Marriott, Room 1
and Hydrology	9:55 AM - 12:00 PM	Marriott, Grand
401 <i>Proximal and Remote Sensing Techniques in Soil Physics and Hydrology</i>	1:30 PM - 3:05 PM	Ballroom I and J Marriott, Grand Ballroom I and J
Thursday Tour the Citrus Research and Education Center in Lake Alfred, Florida	9:00 AM - 3:00 PM	TCC, Front Drive
Soil-Plant-Water Relations Community		
Monday 92 SymposiumTechnological Advances in Soil Water Conservation and		
Management	1:30 PM - 3:30 PM	TCC, 31
Tuesday		
205 SymposiumA Cross-Section of Sensors for Improving Crop Water Management	9:30 AM - 11:30 AM	TCC, 6
253 SymposiumRoot Physiology: Integration of Molecular Biology to		
<i>Functional Traits</i>295 Soil-Plant-Water Relations Poster (includes student competition)	1:30 PM - 3:30 PM 4:00 PM - 6:00 PM	TCC, 22 TCC, East Exhibit Hall
Wednesday	4.00 1 101 - 0.00 1 101	TCC, East Exhibit Hair
361 Crop Water Management By Plant or Soil Water Sensors	9:30 AM - 12:00 PM	Marriott, Room 1
Thursday Tour the Citrus Research and Education Center in Lake Alfred, Florida	9:00 AM - 3:00 PM	TCC, Front Drive
ASA Section: Education and Extension		100,11011,21110
Tuesday		
259 Partnerships with Private and Public Entities	1:30 PM - 3:35 PM	Marriott, Grand Ballroom D
Wednesday		Ballroom D
357 Education and Extension General Oral	9:30 AM - 11:35 AM	Marriott, Grand Ballroom C
395 ASA Business MeetingEducation and Extension413 Education and Extension General Poster	1:30 PM - 2:30 PM 2:30 PM - 4:30 PM	TCC, 13 TCC, East Exhibit Hall
Advancing Agronomy via Public-Private Collaboration C	ommunity	
Monday 141 The Internship Experience: My Summer as an Intern Tuosday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday 259 <i>Partnerships with Private and Public Entities</i>	1:30 PM - 3:35 PM	Marriott, Grand Ballroom D
Wednesday		
377 Symposium"Hot" Tools and Technologies from Public- and Private-Sector Agronomy Programs	10:30 AM - 12:00 PM	Marriott, Room 10
Extension Education Community		
Monday Extension Materials on Display I	7:00 AM - 6:00 PM	TCC, East Exhibit Hall
103 Extension and Education in Agronomy Oral	1:30 PM - 3:45 PM	Marriott, Room 12
Tuesday		
Extension Materials on Display II 184 SymposiumImproving Relevancy and Impact of Extension	7:00 AM - 6:00 PM	TCC, East Exhibit Hall
Programming	8:00 AM - 10:00 AM	Marriott, Grand Ballroom D
233 Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers	10:30 AM - 12:00 PM	Marriott, Room 1
259 Partnerships with Private and Public Entities	1:30 PM - 3:35 PM	Marriott, Grand Ballroom D

	ION NO./TITLE	DATE & TIME	LOCATION
W	/ednesday		
255	Extension Materials on Display III	7:00 AM - 4:30 PM	TCC, East Exhibit Hall
355	Symposium–Using Economic Analyses to Complement Agronomic Data	9:30 AM - 11:30 AM	Marriott, Room 2
114 115	Extension and Education in Agronomy Poster Extension Materials on Display Poster I	2:30 PM - 4:30 PM 2:30 PM - 4:30 PM	TCC, East Exhibit Hall TCC, East Exhibit Hall
		2.50 1 101 - 4.50 1 101	TCC, East Exhibit Hair
	2 Outreach and Activities Community Ionday		
12	Soils 101: From the Pulpit to the Pit	8:25 AM - 11:00 AM	TCC, 7
124	SymposiumAgronomy and Technology: Collaborations for	0.201101 11.001101	100,7
	Solving Our Workplace Pipeline Problem	3:30 PM - 5:30 PM	Marriott, Room 10
	uesday		
182	Resources in Education and Outreach for Soils and Agronomy	8:00 AM - 9:35 AM	Marriott, Room 2
	al Media in Education/Extension Community		
\mathbf{N}	Ionday		
25	SymposiumIf You Use It, They Will Come: Using Social Media		T CC 10
	to Gain an Audience for Agriculture	7:50 AM - 9:50 AM	TCC, 10
	lergraduate Education Community		
	uesday Resources in Education and Outreach for Soils and Agronomy	8:00 AM - 9:35 AM	Marriett Room 2
	Undergraduate Education General Poster Session	4:00 PM - 6:00 PM	Marriott, Room 2 TCC, East Exhibit Hall
	Vednesday	1.001111-0.001111	TCC, Last Exhibit Hai
	Undergraduate Education General Oral Session	9:30 AM - 10:20 AM	Marriott, Room 10
	Section: Environmental Quality		
	Ionday		
30	SymposiumAgricultural Management Practices Effect on Greenhouse		
	Gas Emissions, Mitigation Strategies, and Modeling	8:00 AM - 10:05 AM	TCC, 9
65	Greenhouse Gas Emissions from Integrated-Crop Livestock System Oral	10:10 AM - 12:00 PM	TCC, 9
113	Environmental Quality General Oral	1:30 PM - 4:30 PM	TCC, 6
142	Environmental Quality General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
143	Soil Carbon and Greenhouse Gas Emissions General Poster II		
T	(Students' Poster Competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
181	uesday Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate		
101	Greenhouse Gas Emissions Oral	7:55 AM - 12:00 PM	TCC, 24
198	Soil Carbon and Greenhouse Gas Emissions General Oral I		,
	(Student's Oral Competition)	9:00 AM - 11:50 AM	TCC, 33
283	Round TableBeyond Indicators and Tradeoffs: Translating Sustainable		
•••	Intensification Assessments into Action	3:30 PM - 5:00 PM	Marriott, Room 8 and 9
297	Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
и	Jednesday	4:00 FIVI - 0:00 FIVI	TCC, East Exhibit Hall
364	Soil Carbon and Greenhouse Gas Emissions General Oral II	9:30 AM - 12:15 PM	TCC, 14
370	Nutrient Management: Science, Laws and Regulations	10:00 AM - 11:25 AM	TCC, 8
389	ASA Business MeetingEnvironmental Quality	1:00 PM - 2:30 PM	TCC, 8
419	Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
Ani	mal Agriculture and the Environment Community		
S	aturday		
	Tour of MacArthur Agro-ecology Research Center	8:00 AM - 6:00 PM	TCC, Front Drive
۸ 40	londay SymposiumBeef and Dairy Systems: Economics and		
10	Environmental Footprint	8:15 AM - 10:15 AM	TCC, 31
67	Nutrient Dynamics and Management in Livestock Production Systems		100,01
	Oral (includes student competition)	10:25 AM - 11:55 AM	TCC, 1
	/ednesday		
335	SymposiumBuilding Soil Organic Matter and Improving Soil	0.00 434 40.00 434	TCC 10
110	Function in Grazing Lands	8:00 AM - 10:00 AM	TCC, 19
416	Beef and Dairy Systems: Economics and Environmental Footprint	2.30 PM - 1.30 PM	TCC Fact Evhibit Uall
417	Poster (includes student competition) Nutrient Dynamics and Management in Dairy and Beef Cattle	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
I I/	Production Systems Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419	Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
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Cosponsored	sessions	are i	dentified	in	italic.
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	SION NO./TITLE	DATE & TIME	LOCATION
_	char: Agronomic and Environmental Uses Community		
99 N	fonday Biochar Production and Technology: Global Advancement, Risks and Success	1:30 PM - 3:35 PM	TCC, Ballroom A
	Where the Rubber Meets the Road: Production, Novel and Real World Uses of Biochars - Poster Part 2 (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	uesday		
	SymposiumGrowing Relationships: Biochar Connections to Global Sustainability of Soil, Food, Energy and Environment Jednesday	1:30 PM - 3:30 PM	TCC, Ballroom A
	Amending Degraded Soils with Biochar to Promote Revitalization: The Chemistry, Physics and Biology of Biochar Mediated Soil Revitalization	9:30 AM - 12:00 PM	TCC, 21
By-j	product Gypsum Uses in Agriculture Community		
82 N	fonday By-Product Gypsum Uses in Agriculture General Oral	1:30 PM - 2:55 PM	TCC, 8
	naging Denitrification in Agronomic Systems Commu	nity	
	fonday False and Depitrification Technologies		
84	Enhanced-Denitrification Technologies (includes student competition)	1:30 PM - 3:20 PM	TCC, 4
	rients and Environmental Quality Community	1.001101 0.201101	100,1
30	fonday SymposiumAgricultural Management Practices Effect on Greenhouse		
67	Gas Emissions, Mitigation Strategies, and Modeling Nutrient Dynamics and Management in Livestock Production	8:00 AM - 10:05 AM	TCC, 9
114	Systems Oral (includes student competition)	10:25 AM - 11:55 AM	TCC, 1
	Speciation, and Availability Oral (includes student competition)	1:45 PM - 3:35 PM	TCC, 38
216	uesday Managing, Manipulating, and Predicting Phosphorus Losses in		
-10	Phosphorus Saturated Soils: Current State of the Science Oral		
	(includes student competition)	9:30 AM - 12:00 PM	Marriott, Room 4
243	SymposiumSea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics	1:25 PM - 4:00 PM	TCC, 24
255	CrossDivSymposiumAgroforestry for Sustainable Resource Management and Food Security	1:30 PM - 3:30 PM	TCC, 18
318	Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
V	Vednesday	4.00 1 101 - 0.00 1 101	TCC, Last Exhibit Hair
	Nutrient Source Control at the Field, Farm and Watershed Scales		
264	(includes student competition)	9:30 AM - 4:15 PM	TCC, 12
364 370	Soil Carbon and Greenhouse Gas Emissions General Oral II Nutrient Management: Science, Laws and Regulations	9:30 AM - 12:15 PM 10:00 AM - 11:25 AM	TCC, 14 TCC, 8
417	Nutrient Dynamics and Management in Dairy and Beef Cattle Production Systems Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
418	Nutrient Management and Environmental Quality General Poster (includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419	Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
_	l Carbon and Greenhouse Gas Emissions Community Ionday		
30	SymposiumAgricultural Management Practices Effect on		
65	Greenhouse Gas Emissions, Mitigation Strategies, and Modeling Greenhouse Gas Emissions from Integrated-Crop Livestock	8:00 AM - 10:05 AM	TCC, 9
96	System Oral Special Session SymposiumHow Can We Improve Our Estimates of	10:10 AM - 12:00 PM	ТСС, 9
143	Indirect N2O Emissions? Soil Carbon and Greenhouse Gas Emissions General Poster II	1:30 PM - 3:35 PM	TCC, 21
	(Students' Poster Competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	uesday		
181	Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate Greenhouse Gas Emissions Oral	7:55 AM - 12:00 PM	TCC, 24
198	Soil Carbon and Greenhouse Gas Emissions General Oral I (Student's Oral Competition)	9:00 AM - 11:50 AM	TCC, 33

Sess	ION NO./TITLE	DATE & TIME	Location
	Agricultural Practices to Enhance Nitrogen-Use Efficiency and		
И	Mitigate Greenhouse Gas Emissions Poster Vednesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
364 419		9:30 AM - 12:15 PM 2:30 PM - 4:30 PM	TCC, 14 TCC, East Exhibit Hall
	tainable Intensification Community		
30 IV.	londay SymposiumAgricultural Management Practices Effect on Greenhouse		
	Gas Emissions, Mitigation Strategies, and Modeling	8:00 AM - 10:05 AM	TCC, 9
68 Ti	Sustainable Intensification in Integrated Crop-Livestock Systems uesday	10:25 AM - 12:00 PM	TCC, 31
250	SymposiumBeyond Indicators and Tradeoffs: Translating Sustainable Intensification Assessments into Action	1:30 PM - 3:30 PM	Marriott, Room 8 and 9
283	Round TableBeyond Indicators and Tradeoffs: Translating		
377	Sustainable Intensification Assessments into Action Launch of the Sustainable Intensification Assessment Framework	3:30 PM - 5:00 PM 5:00 PM - 6:45 PM	Marriott, Room 8 and 9 Marriott, Room 8 and 9
	/ednesday	5.00 1 101 - 0.45 1 101	Marriott, Room 8 and 9
364	Soil Carbon and Greenhouse Gas Emissions General Oral II	9:30 AM - 12:15 PM	TCC, 14
419	Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
ASA	Section: Global Agronomy		
S	unday ECHO - Global Farm for Fighting World Hunger	8:00 AM - 5:00 PM	TCC, Front Drive
\mathbf{N}	Ionday		100,11010,21110
25	SymposiumIf You Use It, They Will Come: Using Social Media to Gain an Audience for Agriculture	7:50 AM - 9:50 AM	TCC, 10
47	SymposiumGaining Access to Food Security in Developing Countries:		,
145	A Systematic Approach to Modernizing Productivity Gaining Access to Food Security in Developing Countries: A Systematic	8:55 AM - 11:00 AM	TCC, 10
	Approach to Modernizing Productivity Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
T	uesday	4.00 1 101 - 0.00 1 101	TCC, East Exhibit Hall
195	Special Session SymposiumThe U.S. Global Food Security Strategy:		
	Enhancing Resilience, Increasing Productivity, and Improving	9.20 ANA 10.20 ANA	TCC Pallmann A
241	Nutrition through Agricultural Research Global Agronomy General Oral	8:30 AM - 10:30 AM 1:00 PM - 3:50 PM	TCC, Ballroom A Marriott, Room 4
286	ASA Business MeetingGlobal Agronomy	3:50 PM - 4:30 PM	Marriott, Room 4
322	Launch of the Sustainable Intensification Assessment Framework	5:00 PM - 6:45 PM	Marriott, Room 8 and 9
W	Vednesday		
383	SymposiumSoil Organic Matter Management Alternatives for Smallholders	11:00 AM - 12:20 PM	TCC, Ballroom A
420	Global Agronomy General Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
	hursday		
	Global Agronomy Tour of the Gulf Coast Research & Education Center	8:00 AM - 12:00 PM	TCC, Front Drive
<u> </u>	onomic Solutions for Smallholders Community		
233	uesday Information Delivery Tools to Enhance Agricultural Productivity and		
200	Profitability for Smallholder Farmers	10:30 AM - 12:00 PM	Marriott, Room 1
	/ednesday		
353	Special Session SymposiumSoil Organic Matter Management Alternatives in a Smallholder Context	9:30 AM - 10:55 AM	TCC, Ballroom A
383	SymposiumSoil Organic Matter Management Alternatives		
	for Smallholders	11:00 AM - 12:20 PM	TCC, Ballroom A
	onomy in Africa Community Ionday		
47	<i>SymposiumGaining Access to Food Security in Developing Countries:</i>		
	A Systematic Approach to Modernizing Productivity	8:55 AM - 11:00 AM	TCC, 10
145	Gaining Access to Food Security in Developing Countries: A Systematic		
	Approach to Modernizing Productivity Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
T	uesday		
233	Information Delivery Tools to Enhance Agricultural Productivity		
200	and Profitability for Smallholder Farmers	10:30 AM - 12:00 PM 5:00 PM 6:45 PM	Marriott, Room 1 Marriott, Room 8 and 9
322	Launch of the Sustainable Intensification Assessment Framework	5:00 PM - 6:45 PM	Marriott, Room 8 and 9

Cosponsored sessions are id Session No./Title	DATE & TIME	LOCATION
Wednesday		-
 353 Special Session SymposiumSoil Organic Matter Management Alternatives in a Smallholder Context 383 SymposiumSoil Organic Matter Management Alternatives 	9:30 AM - 10:55 AM	TCC, Ballroom A
for Smallholders	11:00 AM - 12:20 PM	TCC, Ballroom A
Gaining Access to Agronomic Inputs Community Monday		
 Kronedy SymposiumGaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity Gaining Access to Food Security in Developing Countries: 	8:55 AM - 11:00 AM	TCC, 10
A Systematic Approach to Modernizing Productivity Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hal
Global Digital Soil Map Community Tuesday		
 233 Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers 	10:30 AM - 12:00 PM	Marriott, Room 1
Perennial Grain Development Community Tuesday		
231 5 Minute RapidPerennial Grain Development	10:20 AM - 11:45 AM	Marriott, Room 10
Γropical Legumes Community Monday		
 47 SymposiumGaining Access to Food Security in Developing Countries: A Systematic Approach to Modernizing Productivity 45 Gaining Access to Food Security in Developing Countries: A Systematic 	8:55 AM - 11:00 AM	TCC, 10
Approach to Modernizing Productivity Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hal
Tuesday 196 SymposiumBuilding Institutional Capacity in Tropical Legumes 298 Tropical Legumes General Poster (includes student competition)	9:00 AM - 10:10 AM 4:00 PM - 6:00 PM	Marriott, Room 10 TCC, East Exhibit Hal
Wednesday 373 Tropical Legumes General Oral (includes student competition)	10:00 AM - 11:40 AM	TCC, 3
U.SSino Agricultural Research Forum Community Monday		
 SymposiumManaging Water Resources for a Secure Future Managing Water Resources for a Secure Future Oral Managing Water Resources for a Secure Future Poster 	10:00 AM - 12:05 PM 1:30 PM - 4:05 PM	TCC, 11 Marriott, Room 3
(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wheat Initiative Agronomists Community Tuesday		
185 SymposiumUnderstanding the Yield Gap in World-Wide Wheat Production and the Opportunities for International Collaboration	8:00 AM - 10:00 AM	Marriott, Grand Ballroom C
227 Understanding the Yield Gap in World-Wide Wheat Production and the Opportunities for International Collaboration Oral	10:10 AM - 12:00 PM	Marriott, Grand Ballroom C
ASA Section: Land Management and Conservation		
Tuesday 272 Alternative Cropping Systems and Soil Health	1:30 PM - 4:40 PM	TCC, 7
Wednesday	1.00 1 191 - 1.10 1 191	1,/
374 SymposiumGiants of Agricultural Progress and Impacts from Public Agricultural Research	10:10 AM - 12:10 PM	TCC, 19
 Land Management and Conservation General Oral Land Management and Conservation General Poster ASA Business MeetingLand Management and Conservation 	1:20 PM - 2:30 PM 2:30 PM - 4:30 PM 2:45 PM - 3:15 PM	TCC, 1 TCC, East Exhibit Hal TCC, 1
Cover Crop Management Community Monday		
29 Cover Crop Management Oral (includes student competition)147 Cover Crop Management Poster	7:55 AM - 12:35 PM 4:00 PM - 6:00 PM	TCC, 13 TCC, East Exhibit Hal
131 Special Session SymposiumDeveloping Research and Extension Skills of Students in Integrated Agronomic Systems Poster Tuesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hal
189 SymposiumCover Crops and Forage Utilization in Integrated Crop-Livestock Systems I	7:50 AM - 9:45 AM	TCC, 19
70		

	ION NO./TITLE	DATE & TIME	LOCATION
222	SymposiumCover Crops and Forage Utilization in Integrated Crop-Livestock Systems II	10:00 AM - 12:00 PM	TCC, 19
52	SymposiumCover Crops and Forage Utilization in Integrated Crop-Livestock Systems III	1:30 PM - 3:30 PM	TCC, 19
	Vednesday Economics of Cover Crops and Impact on Crop Productivity	9:30 AM - 12:00 PM	TCC, 18
	Health Community		
	Ionday	0.20 ANA 12.00 DM	Marriatt Daarra 4
6 0 59	Synergy in Soil Health: Integrated Practices for Agroecosystem Management CrossDivSymposiumInnovative Soil Health Research Synergy and Soil Health: Integrated Practices for Agroecosystem	9:30 AM - 12:00 PM 1:00 PM - 5:00 PM	Marriott, Room 4 Marriott, Room 5 and 6
	Management Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
T	uesday		,
93	Special SessionLab to Field: CCA 4R Nutrient Management and		
	Soil Health Working Together	8:00 AM - 1:00 PM	Marriott, Room 8 and 9
70	Soil Health for Agroecosystems Oral	1:30 PM - 4:30 PM	TCC, 3
272 275	Alternative Cropping Systems and Soil Health SymposiumImportance of Soil Health to Food Security: National	1:30 PM - 4:40 PM	TCC, 7
	and Global Security Concerns	2:00 PM - 4:00 PM	Marriott, Room 3
299	Soil Health for Agroecosystems Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
W	Vednesday		
35	SymposiumBuilding Soil Organic Matter and Improving Soil		
	Function in Grazing Lands	8:00 AM - 10:00 AM	TCC, 19
64	Soil Carbon and Greenhouse Gas Emissions General Oral II	9:30 AM - 12:15 PM	TCC, 14
856	Special Session SymposiumOrganic Agriculture Soil Health Research	9:30 AM - 11:35 AM	Marriott, Grand Ballroom G and H
02	SymposiumNext Generation Soil Health Assessment	1:30 PM - 3:20 PM	TCC, 18
396	National and International Policy and Incentives for Soil Health	1:30 PM - 2:30 PM	ТСС, 3
201	Crop Breeding and Genetics		
Ν	Ionday		
50	Crop Breeding & Genetics Oral I	9:20 AM - 11:30 AM	TCC, 24
54	SymposiumNext Generation Trait Mapping & Molecular Breeding	7.207Hvi 11.007Hvi	100,21
-	for Accelerating Genetic Gains	10:00 AM - 12:05 PM	TCC, 21
6	Poster and 5 Minute RapidCrop Breeding & Genetics Oral II	11:30 AM - 12:15 PM	TCC, 24
0	SymposiumPhysiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance	1:30 PM - 3:30 PM	Marriott, Florida Salon V
48	Crop Breeding & Genetics Poster I (includes graduate student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
T	uesday	4.00 1 101 - 0.00 1 101	TCC, East Exhibit Hall
186	SymposiumTraining Plant Breeders to Design and Manage 21st		
	Century Cultivar Development Pipelines	8:00 AM - 10:00 AM	Marriott, Florida Salon VI
94	Ron Phillips Plant Genetics Lectureship	8:30 AM - 9:35 AM	Marriott, Florida Salon V
225	SymposiumGenome Editing Technologies for Crop Improvement	10:00 AM - 12:05 PM	Marriott, Florida Salon V
253	SymposiumRoot Physiology: Integration of Molecular Biology		
47	to Functional Traits SymposiumHow Is Plant Breeding Evolving with Rapidly Emerging	1:30 PM - 3:30 PM	TCC, 22
	Data Sciences?	1:30 PM - 3:30 PM	Marriott, Grand Ballroom H
60	Symposiumthe Bridge from Biofortification to Bioavailability	1:30 PM - 3:35 PM	TCC, 11
01	Crop Breeding & Genetics Poster III	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
300	Crop Breeding & Genetics Poster II	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	Vednesday	0.00 ANK 0.40 ANK	Mandau El 11 C L M
33 36	Crop Breeding & Genetics Oral III : Focus on Phenotyping SymposiumPhenotyping Plant Genetic Resources to Support	8:00 AM - 9:40 AM	Marriott, Florida Salon VI
874	<i>Climate Smart Agriculture</i> SymposiumGiants of Agricultural Progress and Impacts from	8:00 AM - 10:00 AM	TCC, 1
	Public Agricultural Research	10:10 AM - 12:10 PM	TCC, 19
88 08	5 Minute Rapid: Crop Breeding & Genetics Oral IV CSSA Business MeetingJoint Division C01 and C07	1:00 PM - 1:45 PM 1:45 PM - 2:30 PM	TCC, 9 TCC, 9
<u> </u>	Crop Physiology and Metabolism		
	unday		
17 17	Graduate Student Oral Competition	3:40 PM - 5:30 PM	TCC, 13
	Staduate Stadent Star Competition	5. 10 I IVI - 5.00 I IVI	100,10

Sess	SION NO./TITLE	DATE & TIME	LOCATION
	Ionday		
59 64	Crop Physiology and Metabolism General Oral I SymposiumNext Generation Trait Mapping & Molecular Breeding for	9:40 AM - 12:00 PM	TCC, 3
71 90	Accelerating Genetic Gains Martin and Ruth Massengale Lectureship SymposiumPhysiological Traits for High Throughput	10:00 AM - 12:05 PM 11:00 AM - 12:00 PM	TCC, 21 TCC, 20
90 149	Phenotyping of Abiotic Stress Tolerance Graduate Student Poster Competition	1:30 PM - 3:30 PM 4:00 PM - 6:00 PM	Marriott, Florida Salon V TCC, East Exhibit Hall
	uesday Crop Physiology and Metabolism General Oral II	8:00 AM - 12:00 PM	Marriott, Grand
253	SymposiumRoot Physiology: Integration of Molecular Biology to Functional Traits	1:30 PM - 3:30 PM	Ballroom B TCC, 22
	Crop Physiology and Metabolism Poster I Vednesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
337	Crop Physiology and Metabolism General Oral III CSSA Business MeetingCrop Physiology and Metabolism Crop Physiology and Metabolism Poster II	8:00 AM - 10:35 AM 10:40 AM - 11:40 AM 2:30 PM - 4:30 PM	TCC, 5 TCC, 5 TCC, East Exhibit Hall
<u>C03</u>	Crop Ecology, Management and Quality		
	Ionday		
55 104	SymposiumEconomic Viability of Short- Vs Long-Term Cropping Systems Crop Ecology, Management and Quality General Oral I	9:30 AM - 11:30 AM 1:30 PM - 3:45 PM	Marriott, Florida Salon VI Marriott, Grand Ballroom C
90	SymposiumPhysiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance	1:30 PM - 3:30 PM	Marriott, Florida Salon V
150 131	Crop Ecology, Management and Quality General Poster I Special Session SymposiumDeveloping Research and Extension Skills	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
T	of Students in Integrated Agronomic Systems Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	uesday Crop Ecology, Management and Quality General Oral II SymposiumCover Crops and Forage Utilization in Integrated	8:00 AM - 10:15 AM	TCC, 39
222	Crop-Livestock Systems I SymposiumCover Crops and Forage Utilization in Integrated	7:50 AM - 9:45 AM	TCC, 19
220	<i>Crop-Livestock Systems II</i> Poster and 5 Minute RapidPh.D. Grad Student Oral Competition	10:00 AM - 12:00 PM 10:15 AM - 11:30 AM	TCC, 19 TCC, 39
230 237	5 Minute RapidCrop Ecology, Management and Quality	11:30 AM - 12:00 PM	TCC, 39
258 252	SymposiumLong-Term Agro-Ecosystem Research (LTAR) SymposiumCover Crops and Forage Utilization in Integrated	1:30 PM - 3:35 PM	TCC, 14
274	<i>Crop-Livestock Systems III</i> SymposiumDouble-Cropping Systems for Soybean	1:30 PM - 3:30 PM 2:00 PM - 4:00 PM	TCC, 19 TCC, 5
303 304	Crop Ecology, Management and Quality General Poster II M.S. Grad Student Poster Competition	4:00 PM - 6:00 PM 4:00 PM - 6:00 PM	TCC, East Exhibit Hall TCC, East Exhibit Hall
W 350	Vednesday CSSA Business MeetingCrop Ecology, Management and Quality	9:15 AM - 10:45 AM	Marriott, Room 11
355	SymposiumUsing Economic Analyses to Complement Agronomic Data	9:30 AM - 11:30 AM	Marriott, Room 2
381	Crop Ecology, Management and Quality General Oral III	10:55 AM - 12:00 PM	Marriott, Room 11
391 423	Poster and 5 Minute RapidCrop Ecology, Management and Quality Crop Ecology, Management and Quality General Poster III	1:30 PM - 2:25 PM 2:30 PM - 4:30 PM	TCC, 31 TCC, East Exhibit Hall
<u>C04</u>	Seed Physiology, Production and Technology		
	fonday		
	Symposiumthe Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome	1:30 PM - 3:35 PM	Marriott, Grand Ballroom H
T 187	uesday SymposiumImproving Foods Using Seed Bioproducts	8:00 AM - 10:00 AM	Marriott, Florida Salon IV
245	Seed Physiology, Production and Technology General Oral	1:30 PM - 2:30 PM	TCC, 31
260	Symposiumthe Bridge from Biofortification to Bioavailability	1:30 PM - 3:35 PM	TCC, 11
278	CSSA Business MeetingSeed Physiology, Production and Technology	2:30 PM - 3:15 PM	TCC, 31
336	Vednesday SymposiumPhenotyping Plant Genetic Resources to Support		
375	Climate Smart Agriculture Symposiumthe Role of Seeds in Conservation of Genetic	8:00 AM - 10:00 AM	TCC, 1
	Resources and Landscapes	10:10 AM - 12:10 PM	TCC, 1

Sree	Cosponsored sessions are ru	DATE & TIME	
	NON NO./TITLE		LOCATION
	Turfgrass Science		
	unday		
18	Turf Industry Session	4:00 PM - 5:30 PM	TCC, 14
	Ionday		
57	Turf Écology and Management (includes student competition)	9:30 AM - 12:15 PM	TCC, 22
58	Turf Nutrition, Soils-Rootzones and Water Quality	0.20 ANA 12.15 DM	TCC 22
71	(includes student competition)	9:30 AM - 12:15 PM 11:00 AM - 12:00 PM	TCC, 23 TCC, 20
105	Martin and Ruth Massengale Lectureship Turf Management and Ecology (includes student competition)	1:30 PM - 3:45 PM	TCC, 20 TCC, 24
105	Molecular Techniques, Turf Genetics and Breeding	1.50 1 101 - 5.45 1 101	100,24
11/	(includes student competition)	2:30 PM - 4:05 PM	TCC, 23
125	SymposiumWater in the Urban Environment: Availability,	2.001101 1.001101	100,20
	Policy, Design and Conservation Efforts	3:30 PM - 6:30 PM	TCC, 22
174	Special Session SymposiumGlobal Ag Company Consolidation:		/
	Driving Forces, Legal Challenges and Real Life Merger Examples	5:00 PM - 6:40 PM	TCC, 23
Т	uesday		
188	Turf Pests: Diseases and Insects (includes student competition)	8:00 AM - 10:00 AM	TCC, 23
224	Applied Pest Management (includes student competition)	10:00 AM - 12:00 PM	TCC, 23
254	Turf Pest Management: Insects and Diseases	1:30 PM - 3:30 PM	Marriott, Grand
			Ballroom B
271	Turf Weed Management and Plant Growth Regulators		
	(includes student competition)	1:30 PM - 4:30 PM	Marriott, Florida Salon IV
267	Turf Physiology, Breeding and Genetics	1:30 PM - 4:15 PM	Marriott, Florida Salon I-III
308	Turf Science and Management General Poster	4:00 DM (:00 DM	TCC East Eachthat Hall
207	(includes student competition)	4:00 PM - 6:00 PM 4:00 PM - 6:00 PM	TCC, East Exhibit Hall
307 305	Turf Management: Pests Poster (includes student competition) Sports and Golf Turf Management Poster	4:00 FWI - 8:00 FWI	TCC, East Exhibit Hall
305	(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
306	Turf Fertility, Nutrition and Water Quality Poster	4.001 101 - 0.001 101	TCC, East Exhibit Hair
000	(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
W	Vednesday		100, 200 2,000 1100
	5 Minute RapidGeneral Turf Topics and USGA-GCSAA Research	8:15 AM - 9:30 AM	TCC, 23
	CSSA Business MeetingTurf Science	9:50 AM - 12:00 PM	TCC, 23
	Analyzing Repeated Measures Data	1:00 PM - 5:00 PM	TCC, 7
C06	Forage and Grazinglands		
S	unday		
	South Florida Grazinglands Tour	6:30 AM - 5:00 PM	TCC, Front Drive
	fonday		TCC 10
51 71	Robert F Barnes Ph.D. Oral Contest	9:25 AM - 2:30 PM	TCC, 19
71 100	Martin and Ruth Massengale Lectureship	11:00 AM - 12:00 PM	TCC, 20
100	Symposiumthe Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome	1:30 PM - 3:35 PM	Marriott, Grand
	Endophyles and Discovering the Funt Without	1.50 1 101 - 5.55 1 101	Ballroom H
118	Forage and Grazinglands New Developments	2:30 PM - 4:05 PM	TCC, 19
	Robert F Barnes M.S. Poster Contest	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	uesday		100, 200 2,000 1100
189	SymposiumCover Crops and Forage Utilization in Integrated		
	Crop-Livestock Systems I	7:50 AM - 9:45 AM	TCC, 19
222	SymposiumCover Crops and Forage Utilization in Integrated		
	Crop-Livestock Systems II	10:00 AM - 12:00 PM	TCC, 19
253	SymposiumRoot Physiology: Integration of Molecular Biology to		
	Functional Traits	1:30 PM - 3:30 PM	TCC, 22
252	SymposiumCover Crops and Forage Utilization in Integrated		
	Crop-Livestock Systems III	1:30 PM - 3:30 PM	TCC, 19
309	Forages in the Intermediate South and Southern Plains Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	Vednesday		
335	SymposiumBuilding Soil Organic Matter and Improving		T OO 10
074	Soil Function in Grazing Lands	8:00 AM - 10:00 AM	TCC, 19
374		10.10 ANA 12 10 DM	TCC 10
	Public Agricultural Research	10:10 AM - 12:10 PM	TCC, 19
397	Analyzing Repeated Measures Data	1:00 PM - 5:00 PM 1:30 PM - 2:30 PM	TCC, 7 TCC, 19
397 424	CSSA Business MeetingForage and Grazinglands Forages in Florida and the Tropics Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
425	Forages in Northern Areas Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
0			

	Cosponsored sessions are ide	entified in <i>italic</i> .	
Sess	SION NO./TITLE	DATE & TIME	LOCATION
<u>C07</u>	Genomics, Molecular Genetics and Biotechnology		
\mathbf{N}	Ionday		
64 106 127	SymposiumNext Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains Genomics, Molecular Genetics and Biotechnology General Oral Poster and 5 Minute RapidGenomics, Molecular Genetics	10:00 AM - 12:05 PM 1:30 PM - 3:45 PM	TCC, 21 Marriott, Florida Salon VI
152	and Biotechnology Genomics, Molecular Genetics and Biotechnology General Poster	3:45 PM - 4:35 PM 4:00 PM - 6:00 PM	Marriott, Florida Salon VI TCC, East Exhibit Hall
	Tuesday Ron Phillips Plant Genetics Lectureship SymposiumGenome Editing Technologies for Crop Improvement Genomics, Molecular Biology and Biotechnology SymposiumHow Is Plant Breeding Evolving with Rapidly Emerging	8:30 AM - 9:35 AM 10:00 AM - 12:05 PM 1:30 PM - 3:50 PM	Marriott, Florida Salon V Marriott, Florida Salon V TCC, 23
	Data Sciences?	1:30 PM - 3:30 PM	Marriott, Grand Ballroom H
253 W	SymposiumRoot Physiology: Integration of Molecular Biology to Functional Traits Vednesday	1:30 PM - 3:30 PM	TCC, 22
374 408	SymposiumGiants of Agricultural Progress and Impacts from Public Agricultural Research CSSA Business MeetingJoint Division C01 and C07	10:10 AM - 12:10 PM 1:45 PM - 2:30 PM	TCC, 19 TCC, 9
<u>C08</u>	Plant Genetic Resources		
	unday Germplasm Foray to Fort De Soto Ionday	9:00 AM - 1:00 PM	TCC, Front Drive
64	SymposiumNext Generation Trait Mapping & Molecular Breeding for Accelerating Genetic Gains	10:00 AM - 12:05 PM	TCC, 21
100	Symposiumthe Prominent Role of Plant Genetic Resources: Endophytes and Discovering the Plant Microbiome	1:30 PM - 3:35 PM	Marriott, Grand Ballroom H
90 126	SymposiumPhysiological Traits for High Throughput Phenotyping of Abiotic Stress Tolerance CSSA Business MeetingPlant Genetic Resources	1:30 PM - 3:30 PM 3:35 PM - 4:20 PM	Marriott, Florida Salon V Marriott, Grand Ballroom H
	uesday		
177 187	Frank N. Meyer Medal for Plant Genetic Resources Breakfast and Award SymposiumImproving Foods Using Seed Bioproducts	6:50 AM - 7:50 AM 8:00 AM - 10:00 AM	Marriott, Room 6 Marriott, Florida Salon IV
186	SymposiumTraining Plant Breeders to Design and Manage 21st Century Cultivar Development Pipelines	8:00 AM - 10:00 AM	Marriott, Florida Salon VI
194 232 236 268 310	Ron Phillips Plant Genetics Lectureship Poster and 5 Minute RapidPlant Genetic Resources Calvin Sperling Memorial Biodiversity Lectureship Plant Genetic Resources General Oral Plant Genetic Resources General Poster	8:30 AM - 9:35 AM 10:30 AM - 11:00 AM 11:00 AM - 12:00 PM 1:30 PM - 4:20 PM 4:00 PM - 6:00 PM	Marriott, Florida Salon V Marriott, Florida Salon IV Marriott, Florida Salon IV TCC, 1 TCC, East Exhibit Hall
W	Vednesday		,
336	SymposiumPhenotyping Plant Genetic Resources to Support Climate Smart Agriculture	8:00 AM - 10:00 AM	TCC, 1
375	Symposiumthe Role of Seeds in Conservation of Genetic Resources and Landscapes	10:10 AM - 12:10 PM	TCC, 1
374	SymposiumGiants of Agricultural Progress and Impacts from Public Agricultural Research	10:10 AM - 12:10 PM	TCC, 19
<u>C09</u>	Biomedical , Health-Beneficial and Nutritionally Enhanced	Plants	
194 260	uesday Ron Phillips Plant Genetics Lectureship Symposiumthe Bridge from Biofortification to Bioavailability	8:30 AM - 9:35 AM 1:30 PM - 3:35 PM	Marriott, Florida Salon V TCC, 11
284 311	Poster and 5 Minute RapidBiomedical, Health-Beneficial and Nutritionally Enhanced Plants Biomedical, Health-Beneficial and Nutritionally Enhanced Plants	3:45 PM - 4:20 PM	TCC, 11
	General Poster Vednesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
351	SymposiumSoil and Fertilizer Management for Food Crops to Improve Human Mineral Nutrition	9:15 AM - 11:05 AM	TCC, 11

Cosponsored sessions are identified in <i>italic</i> .			
SESSION NO./TITLE		DATE & TIME	LOCATION
Public Agric	iants of Agricultural Progress and Impacts from cultural Research ealth-Beneficial and Nutritionally Enhanced Plants	10:10 AM - 12:10 PM	TCC, 19
General Ora	1	1:30 PM - 2:25 PM	TCC, 11
Nutritionall	MeetingBiomedical, Health-Beneficial and y Enhanced Plants	2:40 PM - 3:40 PM	TCC, 11
SSSA Cross-Divis	ional Symposium		
Monday 80 CrossDivSym	posiumInnovative Soil Health Research	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
	posiumGlobal Impacts of Environmental	1:30 PM - 3:30 PM	TCC, 18
Tuesday		1.50 1 101 - 5.50 1 101	100, 10
	posiumAgroforestry for Sustainable Resource at and Food Security	1:30 PM - 3:30 PM	TCC, 18
SSSA Division: Co	onsulting Soil Scientists		
9 SSSA Business SSSA Town Ha Monday	MeetingConsulting Soil Scientists 11 Meeting	10:00 AM - 11:45 AM 4:30 PM - 5:30 PM	TCC, 4 TCC, 21
26 SymposiumD Soils Investi		7:55 AM - 10:00 AM	Marriott, Grand Ballroom A
	Career Path Opportunities for Students, Post-Docs, reer Members	9:30 AM - 11:00 AM	TCC, Ballroom D
	ools and Technologies for Consulting Soil Scientists	9:30 AM - 11:30 AM	Marriott, Room 6
Mosaic Phospha	te Mine	7:30 AM - 4:00 PM	TCC, Front Drive
SSSA Division: Fo	rest, Range and Wildland Soils		
Sunday SSSA Town Ha	ll Meeting	4:30 PM - 5:30 PM	TCC, 21
70 Sustainable Soils	nd Wildland Soils General Oral 5 in Urban Environments-Urban Forestry, Water,	7:55 AM - 11:25 AM	Marriott, Florida Salon V
(includes stu 74 5 Minute Rapic 101 SymposiumMi	ping, Assessment and Reclamation I Oral dent competition) IForest, Range and Wildland Soils neral Weathering Across Scales F Ecological Restoration: Recovery of Soil Functions	10:30 AM - 11:45 AM 11:25 AM - 12:05 PM 1:30 PM - 3:35 PM	Marriott, Room 12 Marriott, Florida Salon V TCC, 1
after Drastic	Disturbance Oral International Content of Co	2:00 PM - 3:50 PM	TCC, 20
and Agronon		3:45 PM - 4:40 PM 4:00 PM - 6:00 PM	TCC, 7 TCC, East Exhibit Hall
154 Foundations of after Drastic	Ecological Restoration: Recovery of Soil Functions Disturbance Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tuesday 207 SymposiumN	lew Insights on Biogeochemical Processes in		
Terrestrial E and Biomar 261 SymposiumN	cosystems As Revealed By Isotopic ker Approaches I lew Insights on Biogeochemical Processes in	9:30 AM - 11:30 AM	Marriott, Florida Salon I-III
and Biomar	cosystems As Revealed By Isotopic ker Approaches II n Biogeochemical Processes in Terrestrial Ecosystems	1:30 PM - 3:35 PM	TCC, 20
As Revealed	By Isotopic and Biomarker Approaches Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Wednesday 330 New Paradigm	s of Soil Organic Matter and Consequences for		
Forest Soils	and Management Oral	7:55 AM - 9:15 AM	TCC, 20
349 Fire Effects on \$376 Sergei A. Wilde	Soils Oral • Early Career Achievement Award Lectureship	9:15 AM - 10:20 AM 10:20 AM - 10:55 AM	TCC, 20 TCC, 20
382 Sergei A. Wilde	e Distinguished Lectureship on Forest Soils	11:00 AM - 12:00 PM	TCC, 20
400 SSSA Business426 Fire Effects on S	MeetingForest, Range and Wildland Soils Soil Posters	1:30 PM - 3:00 PM 2:30 PM - 4:30 PM	TCC, 38 TCC, East Exhibit Hall
427 New Paradigm	s of Soil Organic Matter and Consequences vils and Management Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall

Sess	ION NO./TITLE	DATE & TIME	LOCATION
SSS	A Division: Nutrient Management and Soil and Plant Analy	vsis	
_	unday		
	SSSĂ Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
35	londay Ph.D. Oral Competition I	8:00 AM - 11:35 AM	Marriott, Grand Ballroom D
80 102	CrossDivSymposiumInnovative Soil Health Research Phosphorus Sources and Management, Plant Uptake Efficiency	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
	and Environmental Fate	1:30 PM - 3:40 PM	TCC, 10
112	Ph.D. Oral Competition II	1:30 PM - 4:20 PM	TCC, 9
109	M.S. Oral Competition	1:30 PM - 3:50 PM	TCC, 3
130	5 Minute RapidNutrient Management and Soil and Plant Analysis	3:50 PM - 4:35 PM	TCC, 10
155 169	Nutrient Management and Soil and Plant Analysis General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
168	Ph.D. Poster Competition M.S. Poster Competition	4:00 PM - 6:00 PM 4:00 PM - 6:00 PM	TCC, East Exhibit Hall TCC, East Exhibit Hall
	uesday	4.001101-0.001101	TCC, East Exhibit Hair
213	Nutrient Management and Soil and Plant Analysis General Oral I	9:30 AM - 12:00 PM	TCC, 10
215	Organic Nutrient Sources and Enhancers	9:30 AM - 12:00 PM	TCC, 9
.34	Nutrient Management Using 4Rs Principles	10:35 AM - 12:00 PM	TCC, 32
244	Nutrient Management and Soil and Plant Analysis General Oral II		Marriott, Florida Salon V
.88	SSSA Business MeetingNutrient Management		
	and Soil and Plant Analysis	4:00 PM - 5:00 PM	Marriott, Florida Salon V
	Leo M. Walsh Soil Fertility Distinguished Lectureship	5:15 PM - 8:00 PM	Marriott, Florida Salon V
	Vednesday		
32	Nitrogen Efficiency, Cycling and Environmental Impacts	7:55 AM - 12:10 PM	TCC, 10
48	SymposiumSoil Health Management and Assessment	9:00 AM - 10:55 AM	TCC, 9
51	SymposiumSoil and Fertilizer Management for Food Crops to		TCC 11
102	Improve Human Mineral Nutrition	9:15 AM - 11:05 AM	TCC, 11
03	Managing Nutrients for Vegetable, Fruit and Specialty Crops	1:30 PM - 3:20 PM	TCC, 36
	A Division: Pedology		
	riday Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence	7:00 AM - 6:00 PM	TCC, Front Drive
	unday SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
48 IV	londay Pedology General Oral	9:00 AM - 11:35 AM	TCC, 12
101	SymposiumMineral Weathering Across Scales	1:30 PM - 3:35 PM	TCC, 1
129	A Quick Introduction to Impactful Images, Articles and Books in Soil	1.001101 0.001101	100,1
>	and Agronomic Science	3:45 PM - 4:40 PM	TCC, 7
156	Pedology General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Т	uesday		
209 208	Soil Processes and Performance in Constructed Wetlands SymposiumCoevolution of Soils and Landforms	9:30 AM - 11:30 AM	TCC, 11
	(includes student competition)	9:30 AM - 11:30 AM	TCC, 18
233	Information Delivery Tools to Enhance Agricultural Productivity	10.00 ANA 10.00 DM	Mand II D. 1
	and Profitability for Smallholder Farmers	10:30 AM - 12:00 PM	Marriott, Room 1
263 276	SymposiumSoils, Minerals and Landscapes of the Gulf Coast	1:30 PM - 3:35 PM	TCC, 2
.70	SymposiumNew Ideas and Instruments in Pedology (includes student competition)	2:00 PM - 4:05 PM	Marriott, Grand Ballroom C
W	Vednesday		
343	The Future of Soil Horizon Research (includes student competition)	8:10 AM - 9:15 AM	Marriott, Grand Ballroom D
369	Advancing Pedology in the 21st Century	10:00 AM - 10:55 AM	Marriott, Florida Salon VI
880	SSSA Business MeetingPedology	10:55 AM - 11:55 AM	Marriott, Florida Salon V
28	Coevolution of Soils and Landscapes Poster		
	(includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
29	New Ideas and Instruments in Pedology Poster	2.20 DM 4.20 DM	TCC East East; bit Hall
	(includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
_	A Division: Soil and Water Management and Conservation		
S	unday		
	Urban and Anthropogenic Soil Resource Concerns in Tampa	7.20 4 14 4.20 DM	TCC Erect Drive
	and St. Pete - Stormwater Management and Community Gardens SSSA Town Hall Meeting	7:30 AM - 4:30 PM 4:30 PM - 5:30 PM	TCC, Front Drive

SSSA Town Hall Meeting

7:30 AM - 4:30 PM 4:30 PM - 5:30 PM TCC, Front Drive TCC, 21

	Cosponsored sessions are ide		
SESS	ION NO./TITLE	DATE & TIME	LOCATION
	Ionday		
30	SymposiumAgricultural Management Practices Effect on Greenhouse		
	Gas Emissions, Mitigation Strategies, and Modeling	8:00 AM - 10:05 AM	TCC, 9
45	Soil and Water Management and Conservation General Oral I	8:30 AM - 12:00 PM	TCC, 33
92	SymposiumTechnological Advances in Soil Water Conservation	1 20 DM 2 20 DM	TCC 21
105	and Management	1:30 PM - 3:30 PM	TCC, 31
107	Perennial and Diversified Cropping Systems and Soil Services	1:30 PM - 3:45 PM	TCC, 33
92	SymposiumTechnological Advances in Soil Water Conservation	1.20 DM 2.20 DM	TCC 21
190	and Management	1:30 PM - 3:30 PM	TCC, 31 TCC, 31
128 157	5 Minute RapidSoil and Water Management and Conservation Soil and Water Management and Conservation General Poster	3:45 PM - 4:30 PM 4:00 PM - 6:00 PM	TCC, East Exhibit Hall
137	Special Session SymposiumDeveloping Research and Extension Skills	4.00 1 101 - 0.00 1 101	TCC, East Exhibit Hall
151	of Students in Integrated Agronomic Systems Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Т	uesday	4.00 1 101 - 0.00 1 101	Tee, East Exhibit Hair
218	Managing Soils and Crops with Cover Crops	9:30 AM - 3:00 PM	Marriott, Room 11
217	Soil and Water Management and Conservation General Oral II	9.00 milli 0.00 mil	Marriott, Room II
-1/	(includes student competition)	9:30 AM - 2:45 PM	Marriott, Room 12
220	Role of Soil Organic Matter in Soil and Water Management	10:00 AM - 11:35 AM	Marriott, Room 2
258	SymposiumLong-Term Agro-Ecosystem Research (LTAR)	1:30 PM - 3:35 PM	TCC, 14
255	CrossDivSymposiumAgroforestry for Sustainable Resource	1.001101 0.001101	100,11
-00	Management and Food Security	1:30 PM - 3:30 PM	TCC, 18
275	SymposiumImportance of Soil Health to Food Security: National	1.001101 0.001101	100,10
270	and Global Security Concerns	2:00 PM - 4:00 PM	Marriott, Room 3
313	Soil and Water Management and Conservation General Poster II	2.001101 1.001101	Marriott, Room o
,10	(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
и	Vednesday	1.001101 0.001101	100, East Exhibit Hui
	Mosaic Phosphate Mine	7:30 AM - 4:00 PM	TCC, Front Drive
338	Soil and Water Management and Conservation General Oral III	8:00 AM - 10:45 AM	TCC, 31
335	SymposiumBuilding Soil Organic Matter and Improving	0.001101 10.101101	100,01
000	Soil Function in Grazing Lands	8:00 AM - 10:00 AM	TCC, 19
364	Soil Carbon and Greenhouse Gas Emissions General Oral II	9:30 AM - 12:15 PM	TCC, 14
353	Special Session SymposiumSoil Organic Matter Management	2.001101 12.101101	100,11
000	Alternatives in a Smallholder Context	9:30 AM - 10:55 AM	TCC, Ballroom A
372	Soil Health Assessment and Tools	10:00 AM - 11:35 AM	TCC, 32
371	Agroforestry for Soil Health and Water Quality Benefits	10:00 AM - 11:35 AM	TCC, 33
383	Symposium–Soil Organic Matter Management Alternatives for Smallholders	11:00 AM - 12:20 PM	TCC, Ballroom A
398	SSSA Business MeetingSoil and Water Management		100, 2011001111
	and Conservation	1:30 PM - 2:30 PM	TCC, 33
431	Soil and Water Management and Conservation General Poster III	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
430	Managing Soils and Crops with Cover Crops Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
419	Soil Carbon and Greenhouse Gas Emissions General Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
	A Division: Soil Biology and Biochemistry		,
	0, ,		
S	unday		
	SSSÅ Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
\mathbf{N}	Ionday		
32	Soil Enzymes: Methods of Analyses and Mechanisms Oral		
	(includes student competition)	8:00 AM - 10:25 AM	Marriott, Room 12
36	Microbial Transformations of Minerals, Metals and Organic Matter I:		
	Impacts on Contaminant Dynamics and Carbon Storage Oral		
	(includes student competition)	8:00 AM - 11:45 AM	Marriott, Room 11
41	Soil Biology and Biochemistry General Session I	8:15 AM - 11:10 AM	Marriott, Grand
			Ballroom H
43	Global Impacts of Environmental Contamination I		
	(includes student competition)	8:25 AM - 11:45 AM	Marriott, Grand
			Ballroom J
56	Synergy in Soil Health: Integrated Practices for		
	Agroecosystem Management	9:30 AM - 12:00 PM	Marriott, Room 4
80	CrossDivSymposiumInnovative Soil Health Research	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
93	SymposiumMarginal Lands: Biotic Forces Impacting		
	Ecosystem Resilience	1:30 PM - 3:30 PM	TCC, 37
91	CrossDivSymposiumGlobal Impacts of Environmental Contamination II	1:30 PM - 3:30 PM	TCC, 18
111	Microbial Transformations of Minerals, Metals and Organic Matter II:		
	Impacts on Contaminant Dynamics and Carbon Storage Oral		
	(includes student competition)	1:30 PM - 4:15 PM	TCC, 39
160	Understanding the Biology of High Carbon and Low Disturbance		
	Soils: A Key to Soil Health and Sustainable Intensification Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall

 99 Synergy and Soil Health: Intégrated Practices for Agroecosystem Management Poster 400 PM - 6:00 PM 17CC, East Exhibit Ha 400 PM - 6:00 PM 17CC, East Exhibit Ha 180 PM - 6:00 PM 17CC, East Exhibit Ha 180 PM - 6:00 PM 17CC, East Exhibit Ha 180 PM - 6:00 PM 17CC, Cast Exhibit Ha 180 PM - 6:00 PM 17CC, Cast Exhibit Ha 180 PM - 10:30 AM 17CC, Ballroom A 17CC, Cast Exhibit Ha 180 PM - 10:30 AM 17CC, Cast Exhibit Ha 180 PM - 10:30 AM 17CC, Cast Exhibit Ha 180 PM - 10:30 AM 17CC, Cast Exhibit Ha 190 PM - 3:30 PM 17CC, 10 190 PM - 3:30 PM 17CC, 10 190 PM - 3:30 PM 17CC, 20 190 PM - 3:30 PM 17CC, 218 190 PM - 3:30 PM 17CC, 218 190 PM - 3:30 PM 17CC, 218 190 PM - 3:00 PM 17CC, 218 180 PM - 3:00 PM 17CC, 218 180 PM - 3:00 PM 17CC, 22 <l< th=""><th> 159 Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster 4:00 PM - 6:00 PM 164 Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition) 4:00 PM - 6:00 PM 105 Special Session SymposiumThe U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research 8:30 AM - 10:30 A </th><th>M TCC, East Exhibit Ha</th></l<>	 159 Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster 4:00 PM - 6:00 PM 164 Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition) 4:00 PM - 6:00 PM 105 Special Session SymposiumThe U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research 8:30 AM - 10:30 A 	M TCC, East Exhibit Ha
9 Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster (includes ident competition) 400 PM - 600 PM TCC, East Exhibit Ha Soul Engineers Methods of Analyses and Mechanisms Poster (includes Student competition) 400 PM - 600 PM TCC, East Exhibit Ha Soul Student competition) 700 Source Student Competition 400 PM - 600 PM TCC, 36 Source Student Competition Construction 100 Source Student Competition 400 Source Student Competition 4	 Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition) Tuesday Special Session SymposiumThe U.S. Global Food Security Strategy: Enhancing Resilience, Increasing Productivity, and Improving Nutrition through Agricultural Research Sign AM - 10:30 A 	M TCC, East Exhibit Ha
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Sess	ION NO./TITLE	DATE & TIME	LOCATION
164	Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
165	Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
171	Environmental Fate of Chemicals of Emerging Concern Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
172	<i>Global Impacts of Environmental Contamination Poster</i> <i>(includes student competition)</i>	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
171	Environmental Fate of Chemicals of Emerging Concern Poster (includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
Tı 211	1esday SymposiumSoil Chemistry, Food Security and Human Health	9:30 AM - 11:35 AM	Marriott, Grand Ballroom J
212	Biogeochemistry of Natural and Engineered Nanoparticles in the Environment I (includes student competition)	9:30 AM - 11:50 AM	Marriott, Grand Ballroom H
235	Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Oral (includes student competition)	10:40 AM - 12:00 PM	Marriott, Grand Ballroom I
262 264	SymposiumSocietal Challenges and Soil Chemistry SymposiumBiogeochemistry of Natural and Engineered Nanoparticles	1:30 PM - 3:35 PM	TCC, 15
	in the Environment II	1:30 PM - 3:35 PM	TCC, 6
265	SymposiumPb in Urban Soils	1:30 PM - 3:35 PM	TCC, 32
285	Panel Discussion: Soil Chemistry and Grand Challenges of Food, Water, Energy and Climate	3:45 PM - 4:30 PM	TCC, 15
317 316	The Role of Soils in Mitigating Environmental Contaminant Exposure Poster (includes student competition) Microbial Transformations of Minerals, Metals and Organic Matter:	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
325	Impacts on Contaminant Dynamics and Carbon Storage Poster (includes student competition) SSSA Business MeetingSoil Chemistry	4:00 PM - 6:00 PM 6:00 PM - 7:00 PM	TCC, East Exhibit Hall TCC, 5
W	ednesday		
342 345	Soil Chemistry General Oral Environmental Fate of Chemicals of Emerging Concern Oral	8:00 AM - 12:00 PM	TCC, 37
346	(includes student competition) The Role of Soils in Mitigating Environmental Contaminant	8:25 AM - 11:35 AM	TCC, 36
432	Exposure Oral (includes student competition) Soil Chemistry General Poster	8:30 AM - 12:00 PM 2:30 PM - 4:30 PM	TCC, 38 TCC, East Exhibit Hall
<u>SSS</u>	A Division: Soil Education and Outreach		
S	inday		
	SSSĂ Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
42 M	(onday Soils 101: From the Pulpit to the Pit	8:25 AM - 11:00 AM	TCC, 7
72	SSSA Business MeetingSoil Education and Outreach	11:00 AM - 12:00 PM	TCC, 7
108	Soil Education and Outreach General Oral	1:30 PM - 3:45 PM	TCC, 7
124	SymposiumAgronomy and Technology: Collaborations for Solving Our Workplace Pipeline Problem	3:30 PM - 5:30 PM	Marriott, Room 10
129	A Quick Introduction to Impactful Images, Articles and Books in Soil and Agronomic Science	3:45 PM - 4:40 PM	TCC, 7
166 Ті	Soil Education and Outreach General Poster aesday	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
182 203	Resources in Education and Outreach for Soils and Agronomy Community Engagement and Public Participation	8:00 AM - 9:35 AM	Marriott, Room 2
	in Environmental Research	9:30 AM - 11:10 AM	Marriott, Grand Ballroom G
233	Information Delivery Tools to Enhance Agricultural Productivity and Profitability for Smallholder Farmers	10:30 AM - 12:00 PM	Marriott, Room 1
<u>SSS</u>	A Division: Soil Fertility and Plant Nutrition		
St	anday	4.20 DM 5.20 DM	TCC 21
M	SSSA Town Hall Meeting Ionday	4:30 PM - 5:30 PM	TCC, 21
28 34 35	General Nutrient Management Oral Nitrogen - Soil Fertility and Plant Nutrition Ph.D. Oral Competition I	7:55 AM - 12:00 PM 8:00 AM - 11:35 AM 8:00 AM - 11:35 AM	Marriott, Florida Salon I-III Marriott, Florida Salon IV Marriott, Grand

Sess	ION NO./TITLE	DATE & TIME	LOCATION
'3	Poster and 5 Minute RapidSoil Fertility and Plant Nutrition	11:15 AM - 12:00 PM	Marriott, Room 10
0	CrossDivSymposiumInnovative Soil Health Research	1:00 PM - 5:00 PM	Marriott, Room 5 and 6
12	Ph.D. Oral Competition II	1:30 PM - 4:20 PM	TCC, 9
.09	M.S. Oral Competition	1:30 PM - 3:50 PM	TCC, 3
02	Phosphorus Sources and Management, Plant Uptake Efficiency		
	and Environmental Fate	1:30 PM - 3:40 PM	TCC, 10
.67	General Soil Fertility and Plant Nutrition Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
.69	Ph.D. Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
68	M.S. Poster Competition	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	iesday		,
215	Organic Nutrient Sources and Enhancers	9:30 AM - 12:00 PM	TCC, 9
.57	SymposiumCelebrating the Impactful Career of Dr. E.J. Kamprath	1:30 PM - 3:30 PM	Marriott, Florida Salon
.89	SSSA Business MeetingSoil Fertility and Plant Nutrition	4:00 PM - 5:00 PM	Marriott, Florida Salon
23	Leo M. Walsh Soil Fertility Distinguished Lectureship	5:15 PM - 8:00 PM	Marriott, Florida Salon
	Vednesday	0.101111 0.001111	Warnott, Florida Salori
40	Phosphorus, Potassium and Other Nutrients - Soil Fertility		TCC 12
40	and Plant Nutrition	8:00 AM - 11:50 AM	TCC, 13
48	SymposiumSoil Health Management and Assessment	9:00 AM - 10:55 AM	TCC, 9
51	SymposiumSoil and Fertilizer Management for Food Crops to		
	Improve Human Mineral Nutrition	9:15 AM - 11:05 AM	TCC, 11
04	Spatial Relationships, Data Analysis, and Bioenergy Crops -		
	Soil Fertility and Plant Nutrition	1:30 PM - 3:20 PM	TCC, 14
.03	Managing Nutrients for Vegetable, Fruit and Specialty Crops	1:30 PM - 3:20 PM	TCC, 36
99	Micronutrients - Soil Fertility and Plant Nutrition	1:30 PM - 2:50 PM	TCC, 39
136	Soil Fertility and Plant Nutrition of Agronomic Crops Poster I	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
37	Soil Fertility and Plant Nutrition of Agronomic Crops Poster II	2:30 PM - 4:30 PM	TCC, East Exhibit Hal
33	Enhanced Éfficiency N Fertilizers/N Management/		
	Volatile N Loss Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hal
34	Nutrients from Organic and Non-Traditional Fertilizers Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hal
135	Phosphorus Poster	2:30 PM - 4:30 PM	TCC, East Exhibit Hall
	-		,
122	A Division: Soil Mineralogy		
S	unday		
	SSSĂ Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Μ	londay		
101	SymposiumMineral Weathering Across Scales	1:30 PM - 3:35 PM	TCC, 1
	Soil Mineralogy General Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	iesday		
	Soil Mineralogy General Oral	9:30 AM - 10:35 AM	Marriott, Room 3
263	SymposiumSoils, Minerals and Landscapes of the Gulf Coast	1:30 PM - 3:35 PM	TCC, 2
		6:10 PM - 7:30 PM	TCC, 2
326	SSSA Business MeetingSoil Mineralogy	0.101191-7.301191	ICC, 2
SSS	A Division: Soil Physics and Hydrology		
S	anday		
	SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Μ	londay		
31	Modeling in Soil Physics and Hydrology	8:00 AM - 10:15 AM	TCC, 14
59	Recent Advances in Soil Physics Instrumentation and Sensors	10:25 AM - 12:00 PM	TCC, 14
31	SymposiumRecent Advances in Soil Physics Instrumentation		
	and Sensors	1:10 PM - 2:55 PM	TCC, 14
92	SymposiumTechnological Advances in Soil Water Conservation		,
	and Management	1:30 PM - 3:30 PM	TCC, 31
19	Measurement and Modeling of in Situ Soil Water Retention	2:55 PM - 4:30 PM	TCC, 14
25	SymposiumWater in the Urban Environment: Availability, Policy,	2.001101 1.001101	100,11
120	Design and Conservation Efforts	3:30 PM - 6:30 PM	TCC, 22
129	A Quick Introduction to Impactful Images, Articles and Books in Soil	5.50 1 101 - 0.50 1 101	100,22
129		3:45 PM - 4:40 PM	TCC 7
T	and Agronomic Science	3.45 1 101 - 4.40 1 101	TCC, 7
	iesday		T CC 21
.99	Estimating Soil Physical Properties	9:25 AM - 11:30 AM	TCC, 21
228	Applications of Soil Moisture Monitoring in Agriculture,		
	Hydrology, and Ecology	10:10 AM - 12:00 PM	TCC, 22
242	Applying Soil Physics and Hydrology to Soil Health	1:25 PM - 2:45 PM	TCC, 21
249	SymposiumEvapotranspiration (ET) Under Pressure: Measuring		
	and Modeling ET Under Drought and Deficit Conditions	1:30 PM - 3:30 PM	TCC, 9
279	Poster and 5 Minute RapidSoil Physics and Hydrology Division		
	Student Competition, Part 1 - Lightning Orals	2:45 PM - 4:50 PM	TCC, 21
			-

	No./TITLE	DATE & TIME	LOCATION
321	Soil Physics and Hydrology Division Student Competition,	5 00 D M (00 D M	
и	Part 2 - Posters Jednesday	5:00 PM - 6:00 PM	TCC, East Exhibit Hall
331	Soil Physics and Hydrology General Oral	7:55 AM - 9:45 AM	Marriott, Grand Ballroom I and J
858 969	SymposiumAdvances in Characterizing Agriculture's Role in the Nitrogen Cycle: Measurement Methods, Instruments, and Insights	9:30 AM - 11:50 AM	Marriott, Florida Salon IV
868	SymposiumProximal and Remote Sensing Techniques in Soil Physics and Hydrology	9:55 AM - 12:00 PM	Marriott, Grand Ballroom I and J
887	SSSA Business MeetingSoil Physics and Hydrology	12:00 PM - 1:30 PM	Marriott, Grand Ballroom F
101	Proximal and Remote Sensing Techniques in Soil Physics and Hydrology	1:30 PM - 3:05 PM	Marriott, Grand
138	Soil Physics and Hydrology General Poster Session 1	2:30 PM - 4:30 PM	Ballroom I and J TCC, East Exhibit Hall
43 42	Soil Physics and Hydrology General Poster Session 2 Proximal and Remote Sensing Techniques in Soil Physics	3:00 PM - 4:30 PM	TCC, East Exhibit Hall
	and Hydrology - Posters	3:00 PM - 4:30 PM	TCC, East Exhibit Hall
	A Division: Soils and Environmental Quality		
	unday SSSA Town Hall Meeting Ionday	4:30 PM - 5:30 PM	TCC, 21
26	SymposiumData, Big Data and Statistical Analysis for Soils Investigations	7:55 AM - 10:00 AM	Marriott, Grand Ballroom A
87	Soils and Environmental Quality General Oral I	8:00 AM - 11:55 AM	Marriott, Grand Ballroom I
13	Global Impacts of Environmental Contamination I (includes student competition)	8:25 AM - 11:45 AM	Marriott, Grand
1 72	<i>CrossDivSymposiumGlobal Impacts of Environmental Contamination II</i> Global Impacts of Environmental Contamination Poster	1:30 PM - 3:30 PM	Ballroom J TCC, 18
	(includes student competition) Environmental Fate of Chemicals of Emerging Concern Poster	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
	uesday Community Engagement and Public Participation in Environmental Research	9:30 AM - 11:10 AM	Marriott, Grand
16	Managing, Manipulating, and Predicting Phosphorus Losses in		Ballroom G
212	Phosphorus Saturated Soils: Current State of the Science Oral (includes student competition) Biogeochemistry of Natural and Engineered Nanoparticles in the	9:30 AM - 12:00 PM	Marriott, Room 4
12	Environment I (includes student competition)	9:30 AM - 11:50 AM	Marriott, Grand Ballroom H
38	Poster and 5 Minute RapidSoils and Environmental Quality	11:30 AM - 12:00 PM	Marriott, Grand Ballroom G
243	SymposiumSea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics	1:25 PM - 4:00 PM	TCC, 24
264	SymposiumBiogeochemistry of Natural and Engineered Nanoparticles in the Environment II Cross Dia, Sumpoium, Agrafarectry for Sustainable Resource	1:30 PM - 3:35 PM	TCC, 6
255 275	CrossDivSymposiumAgroforestry for Sustainable Resource Management and Food Security SymposiumImportance of Soil Health to Food Security: National	1:30 PM - 3:30 PM	TCC, 18
19	and Global Security Concerns Soils and Environmental Quality General Poster	2:00 PM - 4:00 PM 4:00 PM - 6:00 PM	Marriott, Room 3 TCC, East Exhibit Hall
18	Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Poster		
17	(includes student competition) The Role of Soils in Mitigating Environmental Contaminant Exposure	4:00 PM - 6:00 PM	TCC, East Exhibit Hall
27	Poster (includes student competition) SSSA Business MeetingSoils and Environmental Quality	4:00 PM - 6:00 PM 6:30 PM - 7:15 PM	TCC, East Exhibit Hall TCC, 6
39	Vednesday Soils and Environmental Quality General Oral II Environmental Fate of Chemicals of Emerging Concern Oral	8:00 AM - 11:40 AM	TCC, 39
845	(includes student competition)	8:25 AM - 11:35 AM	TCC, 36

	NON NO./TITLE	DATE & TIME	LOCATION
46 18	The Role of Soils in Mitigating Environmental Contaminant Exposure Oral (includes student competition) Nutrient Management and Environmental Quality General Poster	8:30 AM - 12:00 PM	TCC, 38
10	(includes student competition)	2:30 PM - 4:30 PM	TCC, East Exhibit Hal
SS	A Division: Urban and Anthropogenic Soils		
F	riday		
S	Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence unday	7:00 AM - 6:00 PM	TCC, Front Drive
0	Urban and Anthropogenic Soil Resource Concerns in Tampa		
	and St. Pete - Stormwater Management and Community Gardens	7:30 AM - 4:30 PM	TCC, Front Drive
N	SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
'0	londay Sustainable Soils in Urban Environments-Urban Forestry, Water,		
	Carbon, Mapping, Assessment and Reclamation I Oral		
	(includes student competition)	10:30 AM - 11:45 AM	Marriott, Room 12
4	Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation II Oral		
	(includes student competition)	1:30 PM - 3:30 PM	TCC, 32
23	Poster and 5 Minute RapidUrban and Anthropogenic Soils	3:30 PM - 4:00 PM	TCC, 32
73	Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation Poster		
	(includes student competition)	4:00 PM - 6:00 PM	TCC, East Exhibit Hal
Т	uesday		
265	SymposiumPb in Urban Soils	1:30 PM - 3:35 PM	TCC, 32
	SSSA Business MeetingUrban and Anthropogenic Soils Jednesday	4:00 PM - 5:30 PM	TCC, 32
v	Mosaic Phosphate Mine	7:30 AM - 4:00 PM	TCC, Front Drive
sss	A Division: Wetland Soils		,
	unday		
0	SSSA Town Hall Meeting	4:30 PM - 5:30 PM	TCC, 21
Ν	Ionday		,
95	Wetland Restoration: Soil Processes, Indicators,	1.00 PM (TOO 11
т	and Global Significance uesday	1:30 PM - 3:30 PM	TCC, 11
209		9:30 AM - 11:30 AM	TCC, 11
243	SymposiumSea Level Rise Impacts on Coastal Soil Quality		
000	and Nutrient Dynamics	1:25 PM - 4:00 PM	TCC, 24
263 277	<i>SymposiumSoils, Minerals and Landscapes of the Gulf Coast</i> William H. Patrick, Jr. Memorial Lectureship	1:30 PM - 3:35 PM 2:00 PM - 6:00 PM	TCC, 2 TCC, 13
282	SSSA Business MeetingWetland Soils	3:30 PM - 4:30 PM	TCC, 13
	Wetland Soils Mixer	4:30 PM - 6:00 PM	TCC, 13
	Vednesday	0.00 ANA 10.45 ANA	
847 139	Wetland Soils General Oral (includes student competition) Wetland Soils General Poster (includes student competition)	9:00 AM - 10:45 AM 2:30 PM - 4:30 PM	TCC, 7 TCC, East Exhibit Hal
	tination Tours (tickets required)		
	-		
3	unday Tampa by Water and Wheel-Sunday	1:00 PM - 4:00 PM	TCC, Front Drive
Ν	Ionday		,
_	Tampa By Water & Wheel-Monday	9:30 AM - 12:30 PM	TCC, Front Drive
Т	uesday Cleanuater Marine Aquarium Delphin Euplaner	0.20 ANA 4.20 DM	TCC Enorth Drive
V	Clearwater Marine Aquarium Dolphin Explorer Vednesday	9:30 AM - 4:30 PM	TCC, Front Drive
	Tarpon Springs, Home of the Sponge Docks	9:30 AM - 3:30 PM	TCC, Front Drive
Гou	rs (tickets required)		
	riday		
	Soil-Geomorphic Relations of Florida:		
	20 Million Years of Marine Influence	7:00 AM - 6:00 PM	TCC, Front Drive
C	Application of Soil Assessments in Resource Decisions	8:00 AM - 6:30 PM	TCC, Front Drive
Э	aturday Tour of MacArthur Agro-ecology Research Center	8:00 AM - 6:00 PM	TCC, Front Drive
S	unday	0.001101 0.001101	
	South Florida Grazinglands Tour	6:30 AM - 5:00 PM	TCC, Front Drive

Session No./Title	DATE & TIME	LOCATION
Urban and Anthropogenic Soil Resource Concerns in Tampa and		
St. Pete - Stormwater Management and Community Gardens	7:30 AM - 4:30 PM	TCC, Front Drive
ECHO - Global Farm for Fighting World Hunger	8:00 AM - 5:00 PM	TCC, Front Drive
Germplasm Foray to Fort De Soto	9:00 AM - 1:00 PM	TCC, Front Drive
Behind the Seeds Tour - The Land Pavilion at Disney's Epcot	10:30 AM - 4:30 PM	TCC, Front Drive
Wednesday		
Mosaic Phosphate Mine	7:30 AM - 4:00 PM	TCC, Front Drive
Thursday		
Global Agronomy Tour of the Gulf Coast Research		
and Education Center	8:00 AM - 12:00 PM	TCC, Front Drive
Tour the Citrus Research and Education Center in Lake Alfred, FL	9:00 AM - 3:00 PM	TCC, Front Drive
Workshops (tickets required)		
Sunday		
Farm-to-Table: On-Farm Trial Data	1:00 PM - 5:00 PM	TCC, 24
R You Ready for New Tools to Manage Research Resources?	1:00 PM - 5:00 PM	TCC, 20
Agricultural Drones: Principles and Applications	1:00 PM - 5:00 PM	TCC, 25
Monday		
Linear Mixed Models for Plant Scientists with ASReml-R	8:00 AM - 12:00 PM	TCC, 25
Generation Image – Photography 101 for Communicating Science		TOO 17
and Research	1:30 PM - 3:00 PM	TCC, 15
Tuesday		
273 Special SessionWomen in Science Workshop: Connecting		
Mindfulness and Work-Life Balance	2:00 PM - 4:30 PM	TCC, Ballroom D
Wednesday		
Science Not Silence: An Advocacy Workshop	9:30 AM - 11:00 AM	Marriott, Room 9
Generation Image – Photography 101 for Communicating Science		T00 1-
and Research-Wednesday	10:00 AM - 11:30 AM	TCC, 15
Analyzing Repeated Measures Data	1:00 PM - 5:00 PM	TCC, 7

Notes

Schedule by Date

No.	Тіме	Session Title	LOCATION		
Frid	Friday				
	7:00 AM - 6:00 PM	Soil-Geomorphic Relations of Florida: 20 Million Years of Marine Influence	TCC, Front Drive		
	8:00 AM - 6:30 PM	Application of Soil Assessments in Resource Decisions	TCC, Front Drive		
	5:00 PM - 9:00 PM	SASES Registration	TCC, Registration Center		
1	7:00 PM - 8:00 PM	SASES National Officer Meeting	TCC, 37 and 38		
2	8:00 PM - 9:00 PM	SASES Committee Member Meeting	TCC, 37 and 38		
<u>Satu</u>	ırday				
	6:00 AM - 7:45 AM	SASES Registration	TCC, Registration Center		
3	6:00 AM - 5:30 PM	SASES Tours †	TCC, Front Drive		
	7:30 AM - 5:00 PM	Improving Synergistic Activities between the Agro-Ecosystem			
		and Botanic/Public Garden Communities	Marriott, Room 11		
	8:00 AM - 6:00 PM	Tour of MacArthur Agro-ecology Research Center †	TCC, Front Drive		
	12:30 PM - 4:00 PM	ACSESS Board of Directors Meeting	Marriott, Grand Ballroom A		
4	1:00 PM - 5:30 PM	Special SessionGraduate Student Leadership Conference †	Marriott, Grand Ballroom D		
4 5	7:00 PM - 8:30 PM 8:30 PM - 9:30 PM	Presidents Trophy Competition SASES Business Meeting I	TCC, 22 and 23 TCC, 22 and 23		
6	9:30 PM - 10:00 PM	Delegate Training for SASES Clubs	TCC, 22 and 23		
7	10:00 PM - 11:55 PM		TCC, Riverwalk		
, <u>Sun</u>			i ee, niverwalk		
<u></u>	6:30 AM - 5:00 PM	South Florida Grazinglands Tour †	TCC, Front Drive		
	7:00 AM - 7:30 AM	Moderator Training I	TCC, 15		
	7:30 AM - 9:00 AM	SASES Registration	TCC, Registration Center		
	7:30 AM - 2:00 PM	Special SessionGraduate Student Leadership Conference †	Marriott, Grand Ballroom D		
	7:30 AM - 4:30 PM	Urban and Anthropogenic Soil Resource Concerns in Tampa			
		and St. Pete - Stormwater Management and Community Gardens †	TCC, Front Drive		
	8:00 AM - 5:00 PM	ECHO - Global Farm for Fighting World Hunger †	TCC, Front Drive		
8	9:00 AM - 10:30 AM	SASES Brunch and Keynote Speaker †	Marriott, Grand Ballroom E and F		
	9:00 AM - 1:00 PM	Germplasm Foray to Fort De Soto †	TCC, Front Drive		
	9:00 AM - 4:00 PM	NE1438 Multistate Committee - Hydropedology of Vernal Pool Systems	Marriott, Room 8		
9		SSSA Business MeetingConsulting Soil Scientists	TCC, 4		
		SSSA Board of Directors Meeting	Marriott, Grand Ballroom A		
		Behind the Seeds Tour - The Land Pavilion at Disney's Epcot	TCC, Front Drive		
		Moderator Training II	TCC, 15		
11		Undergraduate Research Contest - Oral I	Marriott, Grand Ballroom I		
12		Undergraduate Research Contest - Oral II	Marriott, Grand Ballroom G		
		S711.18 Program Planning Task Force (SSSA 2019 Meeting)	Marriott, Grand Ballroom A		
	1:00 PM - 2:00 PM 1:00 PM - 4:00 PM	S302 SSSA Journal Technical Editors Tampa by Water and Wheel-Sunday †	Marriott, Florida Salon VI TCC, Front Drive		
	1:00 PM - 4:00 PM 1:00 PM - 4:00 PM	USDA-ARS Gracenet, REAP & Associated Databases Updates & Discussion	TCC, 9		
	1:00 PM - 5:00 PM	Farm-to-Table: On-Farm Trial Data †	TCC, 24		
	1:00 PM - 5:00 PM	LCCB Team Meeting	Marriott, Room 10		
	1:00 PM - 5:00 PM	R You Ready for New Tools to Manage Research Resources? †	TCC, 20		
	1:00 PM - 5:00 PM	NE 1545 - OWTS: Assessing the Impact of Climate Variability and Climate Change	Marriott, Greco Boardroom		
	1:00 PM - 5:00 PM	Agricultural Drones: Principles and Applications †	TCC, 25		
	1:30 PM - 2:30 PM	C312 Journal of Plant Registrations	Marriott, Room 9		
	2:00 PM - 3:00 PM	S302 SSSA Journal New Editor Training	Marriott, Florida Salon VI		
	2:00 PM - 4:00 PM	ASA Board of Directors Meeting	Marriott, Room 5		
	2:30 PM - 3:30 PM	Open Session on AgMIP US Activities	Marriott, Room 4		
13	3:15 PM - 4:45 PM	SASES National Speech Contest Prelims: I	Marriott, Grand Ballroom I		
14	3:15 PM - 4:45 PM	SASES National Speech Contest Prelims: II	Marriott, Grand Ballroom G		
	3:00 PM - 5:00 PM	NCSRP Benchmarking Team Meeting	Marriott, Room 1		
	3:00 PM - 5:00 PM	S302 SSSA Journal Editorial Board	Marriott, Florida Salon VI		

No.	Тіме	S ESSION T ITLE	LOCATION
15			
15	3:00 PM - 5:00 PM	SymposiumImproving the Competitiveness of Natural Fibers to Increase Market Share	TCC, 7
	3:30 PM - 4:30 PM		TCC, 5
16		Golden Opportunity Scholars Orientation	
16	3:30 PM - 5:00 PM	Hot Topics in Agronomy and Soil Science	Marriott, Florida Salon I-II
17	3:30 PM - 5:30 PM	Department Heads/Chairs Roundtable	Marriott, Room 9
17	3:40 PM - 5:30 PM	Graduate Student Oral Competition	TCC, 13
18	4:00 PM - 5:30 PM	Turf Industry Session	TCC, 14
19	4:00 PM - 6:00 PM	Graduate Student Networking Session -	
		Building Professional Relations Workshop	TCC, Ballroom D
	4:30 PM - 5:30 PM	SSSA Town Hall Meeting	TCC, 21
	4:30 PM - 6:00 PM	Food (and Drink!) for Thought: A Facilitated Networking Event for	
		Women in Soil Science	Marriott, Grand Ballroom G
20		SASES Club Poster Contest	Marriott, Ballroom F Foye
	5:00 PM - 7:30 PM	Joint Meeting of the Clover and Special Purpose Legumes and the	
		Forage and Turfgrass Crop Germplasm Committees	Marriott, Grand Ballroom A
21	6:00 PM - 7:00 PM	ASA, CSSA and SSSA Opening Keynote	TCC, Ballroom C
	7:00 PM - 9:00 PM	Welcome Reception	TCC, East Exhibit Hall
	7:00 PM - 9:00 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
	7:00 PM - 9:00 PM	Graduate School Forum	TCC, East Exhibit Hall
	8:00 PM - 9:00 PM	SASES Elections	TCC, 22 and 23
	8:30 PM - 9:15 PM	Publishing Reception	TCC, 1
23	9:15 PM - 11:00 PM	SASES Quiz Bowl	TCC, 22 and 23
Mon	ıday		
	7:00 AM - 7:30 AM	Moderator Training III	TCC, 15
24	7:00 AM - 9:00 AM	CSSA Breakfast, Awards, and Plenary	
		(Betty Klepper Endowed Lectureship)	Marriott, Grand Ballroom F and F
	7:00 AM - 6:00 PM	Extension Materials on Display I	TCC, East Exhibit Hall
25	7:50 AM - 9:50 AM	SymposiumIf You Use It, They Will Come: Using Social Media to	,
		Gain an Audience for Agriculture	TCC, 10
26	7:55 AM - 10:00 AM	SymposiumData, Big Data and Statistical Analysis for	,
		Soils Investigations	Marriott, Grand Ballroom A
27	7:55 AM - 11:25 AM	Forest, Range and Wildland Soils General Oral	Marriott, Florida Salon V
28		General Nutrient Management Oral	Marriott, Florida Salon I-I
29		Cover Crop Management Oral (includes student competition)	TCC, 13
		Mindfulness Specialty Group: Monday	Marriott, Room 4
		Cover Crop Web Tools and Apps Collaboration	Marriott, Greco Boardroon
30		SymposiumAgricultural Management Practices Effect on Greenhouse	Marriety Grees Douraroom
	0.007101 10.007101	Gas Emissions, Mitigation Strategies, and Modeling	TCC, 9
31	8.00 AM - 10.15 AM	Modeling in Soil Physics and Hydrology	TCC, 14
32		Soil Enzymes: Methods of Analyses and Mechanisms Oral	100, 14
2	0.0071111-10.2071111	(includes student competition)	Marriott, Room 12
33	8.00 AM - 10.50 AM	Development of Tools for Precision Agriculture I	Marriott, Room 12
55	0.00 AIVI - 10.50 AIVI	(includes student competition)	Marriott, Room 3
2/1	8.00 AM 11.25 AM		
34		Nitrogen - Soil Fertility and Plant Nutrition	Marriott, Florida Salon IV
35		Ph.D. Oral Competition I Missiphial Transformations of Minorala Matala and Organia Matter I	Marriott, Grand Ballroom I
36	8:00 ANI - 11:43 ANI	Microbial Transformations of Minerals, Metals and Organic Matter I: Impacts on Contaminant Dynamics and Carbon Storage Oral	Mandall David 11
		(includes student competition)	Marriott, Room 11
37		Soils and Environmental Quality General Oral I	Marriott, Grand Ballroom I
		Linear Mixed Models for Plant Scientists with ASReml-R	TCC, 25
10	8:00 AM - 4:15 PM	General Bioenergy Systems Oral	Marriott, Grand Ballroom I
		SymposiumAdvances in Crop Modeling Applications to Secure Food	
			T O O D C
39	8:10 AM - 11:30 AM	and Environmental Sustainability	TCC, Ballroom A
39	8:10 AM - 11:30 AM	and Environmental Sustainability SymposiumBeef and Dairy Systems: Economics	
39	8:10 AM - 11:30 AM 8:15 AM - 10:15 AM	and Environmental Sustainability SymposiumBeef and Dairy Systems: Economics and Environmental Footprint	TCC, 31
39 1 0	8:10 AM - 11:30 AM 8:15 AM - 10:15 AM 8:15 AM - 11:10 AM	and Environmental Sustainability SymposiumBeef and Dairy Systems: Economics and Environmental Footprint Soil Biology and Biochemistry General Session I	TCC, 31
39 40 41	8:10 AM - 11:30 AM 8:15 AM - 10:15 AM 8:15 AM - 11:10 AM 8:25 AM - 11:00 AM	and Environmental Sustainability SymposiumBeef and Dairy Systems: Economics and Environmental Footprint Soil Biology and Biochemistry General Session I Soils 101: From the Pulpit to the Pit	TCC, 31
38 39 40 41 42 43	8:10 AM - 11:30 AM 8:15 AM - 10:15 AM 8:15 AM - 11:10 AM 8:25 AM - 11:00 AM	and Environmental Sustainability SymposiumBeef and Dairy Systems: Economics and Environmental Footprint Soil Biology and Biochemistry General Session I	TCC, 31 Marriott, Grand Ballroom H

No.	Тіме	Session Title	LOCATION
44	8:30 AM - 10:00 AM	SASES Club Presidents' Round Table	Marriott, Room 8 and 9
45	8:30 AM - 12:00 PM	Soil and Water Management and Conservation General Oral I	TCC, 33
46	8:45 AM - 3:35 PM	Applied Soybean Research (includes student competition)	Marriott, Room 1
47	8:55 AM - 11:00 AM	SymposiumGaining Access to Food Security in Developing Countries:	
		A Systematic Approach to Modernizing Productivity	TCC, 10
22	9:00 AM - 10:00 AM	SASES National Speech Contest - Finals	Marriott, Grand Ballroom G
48	9:00 AM - 11:35 AM	Pedology General Oral	TCC, 12
		Identifying Research Gaps for Novel and Ancient Crops: Investing in	
		New opportunities in Plant Efficiency.	TCC, 38
49	9:00 AM - 4:25 PM	Agricultural Remote Sensing General Oral	
		(includes student competition)	TCC, 5
	9:00 AM - 6:00 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
	9:00 AM - 6:00 PM	Graduate School Forum	TCC, East Exhibit Hall
50	9:20 AM - 11:30 AM	Crop Breeding & Genetics Oral I	TCC, 24
51	9:25 AM - 2:30 PM	Robert F Barnes Ph.D. Oral Contest	TCC, 19
52	9:30 AM - 11:00 AM	Special SessionCareer Path Opportunities for Students, Post-Docs,	
		and Early Career Members	TCC, Ballroom D
53	9:30 AM - 11:30 AM	Special Session SymposiumImproving Synergistic Activities between	
		the Agro-Ecosystem and Botanic/Public Garden Communities	TCC, 36
54	9:30 AM - 11:30 AM	SymposiumInnovative Applications of Crop Sensors for	
		Improved Nutrient Management	Marriott, Grand Ballroom C
55		SymposiumEconomic Viability of Short- Vs Long-Term Cropping Systems	Marriott, Florida Salon VI
56		Synergy in Soil Health: Integrated Practices for Agroecosystem Management	Marriott, Room 4
57		Turf Ecology and Management (includes student competition)	TCC, 22
58	9:30 AM - 12:15 PM	Turf Nutrition, Soils-Rootzones and Water Quality	
		(includes student competition)	TCC, 23
		Tampa By Water & Wheel-Monday	TCC, Front Drive
59		Crop Physiology and Metabolism General Oral I	TCC, 3
60	10:00 AM - 11:15 AM	Outcomes of an Innovative Public-Industry Corn Nitrogen	
		Research Partnership	Marriott, Room 2
		Special SessionRelatable Science – Communicating in 2017	TCC, 15
(1		AC315 Crop, Forage & Turfgrass Management Editorial Board	TCC, 39
61		CCA Career Accelerator Round Table	Marriott, Room 8 and 9
62		Grad School Workshop for Undergrads	Marriott, Grand Ballroom G
63		SymposiumManaging Water Resources for a Secure Future	TCC, 11
64	10:00 AM - 12:03 FM	SymposiumNext Generation Trait Mapping & Molecular Breeding	TCC 21
65	10.10 ANA 12.00 PM	for Accelerating Genetic Gains	TCC, 21 TCC, 9
65 66		Greenhouse Gas Emissions from Integrated-Crop Livestock System Oral	
		AgMIP: Recent Findings of the Agmip Projects	TCC, 6
67	10:25 AM - 11:55 AM	Nutrient Dynamics and Management in Livestock Production Systems Oral (includes student competition)	TCC, 1
68	10·25 AM - 12·00 PM	Sustainable Intensification in Integrated Crop-Livestock Systems	TCC, 31
69		Recent Advances in Soil Physics Instrumentation and Sensors	TCC, 14
70		Sustainable Soils in Urban Environments-Urban Forestry, Water,	100, 14
70	10.007 101 - 11.407 101	Carbon, Mapping, Assessment and Reclamation I Oral	
		(includes student competition)	Marriott, Room 12
71	11:00 AM - 12:00 PM	Martin and Ruth Massengale Lectureship	TCC, 20
72		SSSA Business MeetingSoil Education and Outreach	TCC, 7
73		Poster and 5 Minute RapidSoil Fertility and Plant Nutrition	Marriott, Room 10
74	11:25 AM - 12:05 PM	5 Minute RapidForest, Range and Wildland Soils	Marriott, Florida Salon V
75		ASA Business MeetingClimatology and Modeling	TCC, 6
76		Poster and 5 Minute RapidCrop Breeding & Genetics Oral II	TCC, 24
-		SSSA Graduate Student Town Hall	Marriott, Grand Ballroom F
		Moderator Training IV	TCC, 15
		LandPKS Working Group Meeting	TCC, 2
77		Pop in with the Presidents	Marriott, Grand Ballroom E
78		SASES Advisor Luncheon	Marriott, Grand Ballroom A
-	1:00 PM - 2:00 PM	C302 Crop Science Technical Editors	Marriott, Room 4
79	1:00 PM - 2:30 PM	Special SessionTips from the Experts on the Job Application	-
		and Interviewing Process	TCC, 25
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No.	Тіме	S ession Title	LOCATION
80	1:00 PM - 5:00 PM	CrossDivSymposiumInnovative Soil Health Research	Marriott, Room 5 and 6
81	1:10 PM - 2:55 PM	SymposiumRecent Advances in Soil Physics Instrumentation and Sensors	TCC, 14
	1:15 PM - 3:30 PM	Soil and Plant Analysis Council Board Meeting	100,11
`			TCC 9
32	1:30 PM - 2:55 PM	By-Product Gypsum Uses in Agriculture General Oral	TCC, 8
	1:30 PM - 3:00 PM	Generation Image – Photography 101 for Communicating	
		Science & Research †	TCC, 15
33	1:30 PM - 3:05 PM	Global Climate Change: More Recent Observations and Adaptations	
		(includes student competition)	TCC, 36
34	1:30 PM - 3:20 PM	Enhanced-Denitrification Technologies (includes student competition)	TCC, 4
35	1:30 PM - 3:30 PM	Special Session SymposiumCitizen Science, on-Farm Trials and the	
		Future of Agricultural Research	Marriott, Grand Ballroom
86	1:30 PM - 3:30 PM	Crops Judging Contest Showcase	TCC, Ballroom D
87	1:30 PM - 3:30 PM	SymposiumEngineering Solutions and New Machines	,
,,	1.001101 0.001101	for Organic Agriculture	Marriott, Florida Salon I-
00	1.20 DM 2.20 DM		
88	1:30 PM - 3:30 PM	SymposiumManaging Water and Salinity through Variable Rate Irrigation	Marriott, Room 11
39	1:30 PM - 3:30 PM	SymposiumAdvances in Measuring and Modeling	T CC 12
		Crop Water Requirements	TCC, 12
90	1:30 PM - 3:30 PM	SymposiumPhysiological Traits for High Throughput Phenotyping of	
		Abiotic Stress Tolerance	Marriott, Florida Salon V
91	1:30 PM - 3:30 PM	CrossDivSymposiumGlobal Impacts of Environmental Contamination II	TCC, 18
92	1:30 PM - 3:30 PM	SymposiumTechnological Advances in Soil Water Conservation	
		and Management	TCC, 31
93	1:30 PM - 3:30 PM	SymposiumMarginal Lands: Biotic Forces Impacting Ecosystem Resilience	TCC, 37
94	1:30 PM - 3:30 PM	Sustainable Soils in Urban Environments-Water, Carbon, Mapping,	100,07
71	1.00 1 101 - 0.00 1 101		TCC, 32
	1.20 DM 2.20 DM	Assessment and Reclamation II Oral (includes student competition)	
95	1:30 PM - 3:30 PM	Wetland Restoration: Soil Processes, Indicators, and Global Significance	TCC, 11
100	1:30 PM - 3:35 PM	Symposiumthe Prominent Role of Plant Genetic Resources:	
		Endophytes and Discovering the Plant Microbiome	Marriott, Grand Ballroom
101	1:30 PM - 3:35 PM	SymposiumMineral Weathering Across Scales	TCC, 1
96	1:30 PM - 3:35 PM	Special Session SymposiumHow Can We Improve Our Estimates of	
		Indirect N2O Emissions?	TCC, 21
97	1:30 PM - 3:35 PM	Semiarid Dryland Cropping Systems Oral	Marriott, Florida Salon IV
98	1:30 PM - 3:35 PM	SymposiumFuture of Weed Science: Thinking Beyond Herbicides in	
		the Agricultural Landscape	Marriott, Room 2
99	1:30 PM - 3:35 PM	Biochar Production and Technology: Global Advancement,	
,,	1.00 1 101 - 0.00 1 101	Risks and Success	TCC, Ballroom A
103	1.20 DM 2.40 DM		TCC, Dailioolii A
102	1:30 PM - 3:40 PM	Phosphorus Sources and Management, Plant Uptake Efficiency	T00.10
		and Environmental Fate	TCC, 10
103	1:30 PM - 3:45 PM	Extension and Education in Agronomy Oral	Marriott, Room 12
104	1:30 PM - 3:45 PM	Crop Ecology, Management and Quality General Oral I	Marriott, Grand Ballroom
105	1:30 PM - 3:45 PM	Turf Management and Ecology (includes student competition)	TCC, 24
106	1:30 PM - 3:45 PM	Genomics, Molecular Genetics and Biotechnology General Oral	Marriott, Florida Salon V
L07	1:30 PM - 3:45 PM	Perennial and Diversified Cropping Systems and Soil Services	TCC, 33
108	1:30 PM - 3:45 PM	Soil Education and Outreach General Oral	TCC, 7
109	1:30 PM - 3:50 PM	M.S. Oral Competition	TCC, 3
110	1:30 PM - 4:05 PM	Managing Water Resources for a Secure Future Oral	Marriott, Room 3
			Wallott, Room 5
111	1:30 PM - 4:15 PM	Microbial Transformations of Minerals, Metals and Organic Matter II: Impacts on Contaminant Dynamics and Carbon Storage Oral	TCC 20
110		(includes student competition)	TCC, 39
112	1:30 PM - 4:20 PM	Ph.D. Oral Competition II	TCC, 9
13	1:30 PM - 4:30 PM	Environmental Quality General Oral	TCC, 6
114	1:45 PM - 3:35 PM	Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse,	
		Speciation, and Availability Oral (includes student competition)	TCC, 38
	2:00 PM - 3:00 PM	C302 Crop Science Editorial Board	Marriott, Room 4
115	2:00 PM - 3:00 PM	Special SessionCommunicating Your Science: Messaging for a Greater	*
-		Impact Workshop	Marriott, Room 8 and 9
116	2.00 PM 2.50 DM		marinon, noom o and 9
110	2:00 PM - 3:50 PM	Foundations of Ecological Restoration: Recovery of Soil Functions after	TCC, 20
		Drastic Disturbance Oral	111 /11
	2 00 DM 4 00 D2 5		
	2:00 PM - 4:00 PM 2:00 PM - 4:00 PM	ACS 528 Diversity Committee Business Meeting USDA-ARS All Hands Meeting	TCC, Ballroom C TCC, 13

No.	Тіме	Session Title	LOCATION
117	2:30 PM - 4:05 PM	Molecular Techniques, Turf Genetics and Breeding	
		(includes student competition)	TCC, 23
118	2:30 PM - 4:05 PM	Forage and Grazinglands New Developments	TCC, 19
19	2:55 PM - 4:30 PM	Measurement and Modeling of in Situ Soil Water Retention	TCC, 14
120	3:00 PM - 4:30 PM	Special SessionBehavioral Interviewing Workshop	TCC, 25
121	3:00 PM - 4:30 PM	Special Session SymposiumEmeritus and Late-Career Members:	
		Exploring both Retirement Opportunities within our Sciences	
		and Emeritus Membership Opportunities	Marriott, Grand Ballroom G
122	3:00 PM - 6:00 PM	Career Fair	TCC, East Exhibit Hall
123	3:30 PM - 4:00 PM	Poster and 5 Minute RapidUrban and Anthropogenic Soils	TCC, 32
124	3:30 PM - 5:30 PM	SymposiumAgronomy and Technology: Collaborations for Solving	
		Our Workplace Pipeline Problem	Marriott, Room 10
	3:30 PM - 6:00 PM	NAPT Oversight & PAP Committee	Marriott, Greco Boardroom
125	3:30 PM - 6:30 PM	SymposiumWater in the Urban Environment: Availability, Policy,	
		Design and Conservation Efforts	TCC, 22
126	3:35 PM - 4:20 PM	CSSA Business MeetingPlant Genetic Resources	Marriott, Grand Ballroom H
128	3:45 PM - 4:30 PM	5 Minute RapidSoil and Water Management and Conservation	TCC, 31
127	3:45 PM - 4:35 PM	Poster and 5 Minute RapidGenomics, Molecular Genetics	
		and Biotechnology	Marriott, Florida Salon VI
129	3:45 PM - 4:40 PM	A Quick Introduction to Impactful Images, Articles and Books in Soil	
		and Agronomic Science	TCC, 7
130	3:50 PM - 4:35 PM	5 Minute RapidNutrient Management and Soil and Plant Analysis	TCC, 10
	4:00 PM - 5:00 PM	ASA Town Hall Meeting	TCC, Ballroom A
	4:00 PM - 6:00 PM	Meter Invited Speaker Session	Marriott, Room 8 and 9
131	4:00 PM - 6:00 PM	Special Session SymposiumDeveloping Research and Extension Skills	
		of Students in Integrated Agronomic Systems Poster	TCC, East Exhibit Hall
132	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section I	TCC, East Exhibit Hall
133	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section II	TCC, East Exhibit Hall
34	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section III	TCC, East Exhibit Hall
135	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section IV	TCC, East Exhibit Hall
136	4:00 PM - 6:00 PM	Undergraduate Research Contest - Poster Section V	TCC, East Exhibit Hall
137	4:00 PM - 6:00 PM	Current Research for Advancing Precision Agriculture Poster	
		(includes student competition)	TCC, East Exhibit Hall
138	4:00 PM - 6:00 PM	Semiarid Dryland Cropping Systems Poster (includes student competition)	TCC, East Exhibit Hall
139	4:00 PM - 6:00 PM	Agricultural Remote Sensing General Poster	TCC, East Exhibit Hall
140	4:00 PM - 6:00 PM	Examples of Model Applications in Field Research Poster	
		(includes student competition)	TCC, East Exhibit Hall
141	4:00 PM - 6:00 PM	The Internship Experience: My Summer as an Intern	TCC, East Exhibit Hall
142	4:00 PM - 6:00 PM	Environmental Quality General Poster	TCC, East Exhibit Hall
143	4:00 PM - 6:00 PM	Soil Carbon and Greenhouse Gas Emissions General Poster II	
		(Students' Poster Competition)	TCC, East Exhibit Hall
144	4:00 PM - 6:00 PM	Where the Rubber Meets the Road: Production, Novel and Real World	
		Uses of Biochars - Poster Part 2 (includes student competition)	TCC, East Exhibit Hall
145	4:00 PM - 6:00 PM	Gaining Access to Food Security in Developing Countries:	
		A Systematic Approach to Modernizing Productivity Poster	
		(includes student competition)	TCC, East Exhibit Hall
146	4:00 PM - 6:00 PM	Managing Water Resources for a Secure Future Poster	
		(includes student competition)	TCC, East Exhibit Hall
47	4:00 PM - 6:00 PM	Cover Crop Management Poster	TCC, East Exhibit Hall
148	4:00 PM - 6:00 PM	Crop Breeding & Genetics Poster I (includes graduate student competition)	TCC, East Exhibit Hall
149	4:00 PM - 6:00 PM	Graduate Student Poster Competition	TCC, East Exhibit Hall
50	4:00 PM - 6:00 PM	Crop Ecology, Management and Quality General Poster I	TCC, East Exhibit Hall
151	4:00 PM - 6:00 PM	Robert F Barnes M.S. Poster Contest	TCC, East Exhibit Hall
152	4:00 PM - 6:00 PM	Genomics, Molecular Genetics and Biotechnology General Poster	TCC, East Exhibit Hall
153	4:00 PM - 6:00 PM	Forest, Range and Wildland Soils General Poster	TCC, East Exhibit Hall
154	4:00 PM - 6:00 PM	Foundations of Ecological Restoration: Recovery of Soil Functions after	
		Drastic Disturbance Poster	TCC, East Exhibit Hall
155	4:00 PM - 6:00 PM	Nutrient Management and Soil and Plant Analysis General Poster	TCC, East Exhibit Hall
56	4:00 PM - 6:00 PM	Pedology General Poster	TCC, East Exhibit Hall
157	4:00 PM - 6:00 PM	Soil and Water Management and Conservation General Poster	TCC, East Exhibit Hall
158	4:00 PM - 6:00 PM	Soil Biology and Biochemistry General Poster	TCC, East Exhibit Hall

No.	Тіме	Sessions requiring tickets designated with " ⁺ " Session Title	Location
			LOCATION
159	4:00 PM - 6:00 PM	Synergy and Soil Health: Integrated Practices for Agroecosystem Management Poster	TCC, East Exhibit Hall
160	4:00 PM - 6:00 PM	Understanding the Biology of High Carbon and Low Disturbance Soils: A Key to Soil Health and Sustainable Intensification Poster	TCC, East Exhibit Hall
161	4:00 PM - 6:00 PM	Approaching Peak Phosphorus and Seeking Alternatives: Linking Reuse, Speciation, and Availability Poster (includes student competition)	TCC, East Exhibit Hall
162	4:00 PM - 6:00 PM	Societal Challenges and Soil Chemistry Poster (includes student competition)	TCC, East Exhibit Hall
163	4:00 PM - 6:00 PM	Soil Chemistry, Food Security and Human Health Poster (includes student competition)	TCC, East Exhibit Hall
164	4:00 PM - 6:00 PM	Soil Enzymes: Methods of Analyses and Mechanisms Poster (includes student competition)	TCC, East Exhibit Hall
165	4:00 PM - 6:00 PM	Speciation and Bioavailability of Nutrients and Pollutants in the Rhizosphere Poster (includes student competition)	TCC, East Exhibit Hall
166	4:00 PM - 6:00 PM	Soil Education and Outreach General Poster	TCC, East Exhibit Hall
167	4:00 PM - 6:00 PM	General Soil Fertility and Plant Nutrition Poster	TCC, East Exhibit Hall
168	4:00 PM - 6:00 PM	M.S. Poster Competition	TCC, East Exhibit Hall
169	4:00 PM - 6:00 PM	Ph.D. Poster Competition	TCC, East Exhibit Hall
170	4:00 PM - 6:00 PM	Soil Mineralogy General Poster	TCC, East Exhibit Hall
171	4:00 PM - 6:00 PM	Environmental Fate of Chemicals of Emerging Concern Poster (includes student competition)	TCC, East Exhibit Hall
172	4:00 PM - 6:00 PM	Global Impacts of Environmental Contamination Poster (includes student competition)	TCC, East Exhibit Hall
173	4:00 PM - 6:00 PM	Sustainable Soils in Urban Environments-Water, Carbon, Mapping, Assessment and Reclamation Poster (includes student competition)	TCC, East Exhibit Hall
	4:30 PM - 5:30 PM 4:40 PM - 5:40 PM	ACS330 Agricultural & Environmental Letters Journal Editorial Board Meeting for S205.1 Committee on the History, Philosophy,	Marriott, Grand Ballroom A
174	5:00 PM - 6:40 PM	and Sociology of Soil Science Special Session SymposiumGlobal Ag Company Consolidation:	TCC, 7
1/1		Driving Forces, Legal Challenges and Real Life Merger Examples	TCC, 23
	5:30 PM - 6:30 PM 5:30 PM - 6:30 PM	ACS324.1 Journal of Environmental Quality Technical Editors Association of Agricultural Scientists of Indian Origin	Marriott, Grand Ballroom A
		(AASIO) Annual Meeting	TCC, 12
	5:30 PM - 7:00 PM	University of Arkansas Razorback Pigout	Marriott, Florida Salon V
	5:30 PM - 7:30 PM	Purdue Boilermaker Reception	Marriott, Florida Salon IV
	5:30 PM - 7:30 PM	Colorado State University Alumni Reception	Marriott, Room 4
	5:30 PM - 7:30 PM	University of Minnesota Mixer	Marriott, Room 1
	5:30 PM - 7:30 PM	Association of Chinese Soil & Plant Scientists in North America	
		Annual Meeting	TCC, 11
	6:00 PM - 7:00 PM	Meeting of the Speciality Group of Nepalese Origin	TCC, 7
	6:00 PM - 7:30 PM	2018-2019 SSSA International Soils Meeting Program Planning Meeting	TCC, 4
	6:00 PM - 8:00 PM	All Illinois Mixer	Marriott, Grand Ballroom
	6:00 PM - 8:00 PM	University of Florida Gator Gathering	Marriott, Florida Salon II-II
	6:30 PM - 7:30 PM	Specialty Group Social - Agricultural Politics	Marriott, Grand Ballroom
	6:30 PM - 9:00 PM	Specialty Group - CSA Christian Fellowship	Marriott, Room 8 and 9
175	7:00 PM - 11:30 PM	SASES Awards and Social	Splitsville, 615 Channelside D
	7:30 PM - 9:00 PM	2018 ASA & CSSA Annual Meeting Program Planning Meeting	TCC, 5
	7:30 PM - 9:30 PM	DSSAT Foundation Open Forum	Marriott, Grand Ballroom I
Tues	sday		
176	6:30 AM - 8:00 AM	5K Fun Run (registration required)	
177	6:50 AM - 7:50 AM	Frank N. Meyer Medal for Plant Genetic Resources Breakfast and Award	Marriott, Room 6
	7:00 AM - 7:30 AM	Moderator Training V	TCC, 15
	7:00 AM - 8:00 AM	North American Forest Soils Conference Planning Committee	Marriott, Grand Ballroom A
	7:00 AM - 8:30 AM	SSSA K-12 Committee Meeting	Marriott, Greco Boardroon
178	7:00 AM - 9:00 AM	SSSA Breakfast, Awards, and Plenary	,
		(Nyle C. Brady Frontiers of Soil Science Lectureship)	Marriott, Grand Ballroom I and F
	7:00 AM - 6:00 PM	Extension Materials on Display II	TCC, East Exhibit Hall
179	7:30 AM - 4:00 PM	Special SessionGateway Scholars Orientation and Motivational Program	TCC, 1
180		Climatology and Modeling General Oral I	TCC, 13
100		Children of the first child control of the f	

		Sessions requiring tickets designated with "1"	
No.	Тіме	Session Title	LOCATION
181	7:55 AM - 12:00 PM	Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate	
		Greenhouse Gas Emissions Oral	TCC, 24
182		Resources in Education and Outreach for Soils and Agronomy	Marriott, Room 2
183		SymposiumImpacts of Different Bioenergy Systems on Soil Health	TCC, 4
184		SymposiumImproving Relevancy and Impact of Extension Programming	Marriott, Grand Ballroom D
185	8:00 AM - 10:00 AM	SymposiumUnderstanding the Yield Gap in World-Wide Wheat	
		Production and the Opportunities for International Collaboration	Marriott, Grand Ballroom C
186	8:00 AM - 10:00 AM	SymposiumTraining Plant Breeders to Design and Manage	
	0.00 +3.5 +0.00 +3.5	21st Century Cultivar Development Pipelines	Marriott, Florida Salon VI
187		SymposiumImproving Foods Using Seed Bioproducts	Marriott, Florida Salon IV
188		Turf Pests: Diseases and Insects (includes student competition)	TCC, 23
189	7:50 AM - 9:45 AM	SymposiumCover Crops and Forage Utilization in Integrated	TCC 10
100	9.00 ANA 10.15 ANA	Crop-Livestock Systems I	TCC, 19
190		Crop Ecology, Management and Quality General Oral II	TCC, 39 TCC, 3
191		Agronomic Production Systems General Oral	
192		Crop Physiology and Metabolism General Oral II	Marriott, Grand Ballroom B
193	8:00 AM - 1:00 PM	Special SessionLab to Field: CCA 4R Nutrient Management and Soil Health Working Together	Marriott, Room 8 and 9
194	8:30 AM - 9:35 AM	Ron Phillips Plant Genetics Lectureship	Marriott, Florida Salon V
194		Special Session SymposiumThe U.S. Global Food Security Strategy:	
195	0.50 ANI - 10.50 ANI	Enhancing Resilience, Increasing Productivity, and Improving	
		Nutrition through Agricultural Research	TCC, Ballroom A
196	9:00 AM - 10:10 AM	SymposiumBuilding Institutional Capacity in Tropical Legumes	Marriott, Room 10
197		Symposiumthe Future of Remote Sensing for Agriculture:	
		How This Information Can be Effectively Used for Decision Making	TCC, 5
198	9:00 AM - 11:50 AM	Soil Carbon and Greenhouse Gas Emissions General Oral I	/ -
		(Student's Oral Competition)	TCC, 33
	9:00 AM - 6:00 PM	Graduate School Forum	TCC, East Exhibit Hall
	9:00 AM - 6:00 PM	Exhibits & Career Center Open	TCC, East Exhibit Hall
199	9:25 AM - 11:30 AM	Estimating Soil Physical Properties	TCC, 21
200		General Organic Management Systems Oral I (includes student competition)	TCC, 31
201	9:25 AM - 3:15 PM	Examples of Model Applications in Field Research Oral	TCC, 12
202	9:30 AM - 10:35 AM	Soil Mineralogy General Oral	Marriott, Room 3
		ACS321 Editorial Affairs	Marriott, Room 5
203		Community Engagement and Public Participation in Environmental Research	
204		Special SessionNegotiation Strategies for Early Career Scientists Workshop	TCC, 25
205	9:30 AM - 11:30 AM	SymposiumA Cross-Section of Sensors for Improving	
		Crop Water Management	TCC, 6
206		SymposiumTools and Technologies for Consulting Soil Scientists	Marriott, Room 6
207	9:30 AM - 11:30 AM	SymposiumNew Insights on Biogeochemical Processes in Terrestrial	
• • • •		Ecosystems As Revealed By Isotopic and Biomarker Approaches I	Marriott, Florida Salon I-III
208	9:30 AM - 11:30 AM	SymposiumCoevolution of Soils and Landforms	TCC 10
200	0.20 ANA 11.20 ANA	(includes student competition)	TCC, 18
209		Soil Processes and Performance in Constructed Wetlands	TCC, 11
210		SymposiumCurrent Issues in Soil and Water Management	TCC, 8 Marriatt Crand Ballroom I
211 212		SymposiumSoil Chemistry, Food Security and Human Health Biographic structures and Engineered Nanoparticles in the	Marriott, Grand Ballroom J
212	9.50 Alvi - 11.50 Alvi	Biogeochemistry of Natural and Engineered Nanoparticles in the	Marriett Crand Ballroom H
213	9.30 AM - 12.00 PM	Environment I (includes student competition) Nutrient Management and Soil and Plant Analysis General Oral I	Marriott, Grand Ballroom H TCC, 10
213 214		Soil Biology and Biochemistry General Session II	TCC, 36
215		Organic Nutrient Sources and Enhancers	TCC, 9
215		Managing, Manipulating, and Predicting Phosphorus Losses in	100, 9
-10		Phosphorus Saturated Soils: Current State of the Science Oral	
		(includes student competition)	Marriott, Room 4
217	9:30 AM - 2:45 PM	Soil and Water Management and Conservation General Oral II	, +
		(includes student competition)	Marriott, Room 12
218	9:30 AM - 3:00 PM	Managing Soils and Crops with Cover Crops	Marriott, Room 11
-	9:30 AM - 4:30 PM	Clearwater Marine Aquarium Dolphin Explorer	TCC, Front Drive
219		Understanding the Biology of High Carbon and Low Disturbance Soils:	-
		A Key to Soil Health and Sustainable Intensification	TCC, 37
220	10:00 AM - 11:35 AM	Role of Soil Organic Matter in Soil and Water Management	Marriott, Room 2
		- · · ·	

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No.	Тіме	Session Title	LOCATION
		Agronomic Science Foundation Board of Directors Meeting	Marriott, Grand Ballroom A
221		Special SessionACS528 Diversity Student Poster Competition	TCC, East Exhibit Hall
222	10:00 AM - 12:00 PM	SymposiumCover Crops and Forage Utilization in Integrated	TCC 10
000	10.00 ANA 12.00 DNA	Crop-Livestock Systems II	TCC, 19
223		Symposiumthe Role of Precision Ag Tools for Profitability	TCC, 7
224 225		Applied Pest Management (includes student competition) SymposiumGenome Editing Technologies for Crop Improvement	TCC, 23 Marriott, Florida Salon V
223 226		Sensor-Based Nutrient Management Oral Session	
	10.107101 11.107101	(contains student competition)	TCC, 4
227	10:10 AM - 12:00 PM	Understanding the Yield Gap in World-Wide Wheat Production and the	,
		Opportunities for International Collaboration Oral	Marriott, Grand Ballroom C
228	10:10 AM - 12:00 PM	Applications of Soil Moisture Monitoring in Agriculture,	
		Hydrology, and Ecology	TCC, 22
229	10:10 AM - 12:10 PM	Special Session SymposiumThe Nutrient Uptake and Outcome	
000	1015 414 11 20 414	Network (NUOnet)	Marriott, Florida Salon VI
230		Poster and 5 Minute RapidPh.D. Grad Student Oral Competition	TCC, 39 Marriett Room 10
231 232		5 Minute RapidPerennial Grain Development Poster and 5 Minute RapidPlant Genetic Resources	Marriott, Room 10 Marriott, Florida Salon IV
233		Information Delivery Tools to Enhance Agricultural Productivity and	
200	10.001101 12.001101	Profitability for Smallholder Farmers	Marriott, Room 1
234	10:35 AM - 12:00 PM	Nutrient Management Using 4Rs Principles	TCC, 32
235		Speciation and Bioavailability of Nutrients and Pollutants in the	
		Rhizosphere Oral (includes student competition)	Marriott, Grand Ballroom I
236	11:00 AM - 12:00 PM	Calvin Sperling Memorial Biodiversity Lectureship	Marriott, Florida Salon IV
237		5 Minute RapidCrop Ecology, Management and Quality	TCC, 39
238		Poster and 5 Minute RapidSoils and Environmental Quality	Marriott, Grand Ballroom G
		Moderator Training VI Mindfulness Specialty Crown Business Meeting	TCC, 15 Marriett Boom 6
		Mindfulness Specialty Group Business Meeting SSSA Student and Early Career Meeting Task Force	Marriott, Room 6 Marriott, Greco Boardroom
239	12:00 PM - 1:30 PM	Special SessionScience Policy Graduate Student Luncheon	Marriott, Grand Ballroom E
_0,,	12:00 PM - 2:00 PM	Golden Opportunity Scholars Lunch and Program	Marriott, Grand Ballroom F
	12:30 PM - 1:30 PM	Soil Methods Editorial Board	Marriott, Room 5
	1:00 PM - 2:00 PM	ACS320 Book and Multimedia Publishing	Marriott, Grand Ballroom A
	1:00 PM - 2:00 PM	CSSA Division Leadership Training	TCC, 33
240	1:00 PM - 3:00 PM	Special SessionInteractive Workshop: Writing Manuscripts for Publication	TCC, 25
241	1:00 PM - 3:50 PM	Global Agronomy General Oral	Marriott, Room 4
242 243	1:25 PM - 2:45 PM 1:25 PM - 4:00 PM	Applying Soil Physics and Hydrology to Soil Health	TCC, 21
243	1.25 F M - 4.00 F M	SymposiumSea Level Rise Impacts on Coastal Soil Quality and Nutrient Dynamics	TCC, 24
244	1:25 PM - 4:00 PM	Nutrient Management and Soil and Plant Analysis General Oral II	Marriott, Florida Salon V
245	1:30 PM - 2:30 PM	Seed Physiology, Production and Technology General Oral	TCC, 31
246	1:30 PM - 2:55 PM	Future of Weed Science: Thinking Beyond Herbicides in the	,
		Agricultural Landscape	TCC, 4
247	1:30 PM - 3:30 PM	SymposiumHow Is Plant Breeding Evolving with Rapidly	
• • •		Emerging Data Sciences?	Marriott, Grand Ballroom H
248	1:30 PM - 3:30 PM	SymposiumOn-Farm Research: Data Exploration and Analysis	Marriott, Grand Ballroom I
249	1:30 PM - 3:30 PM	SymposiumEvapotranspiration (ET) Under Pressure: Measuring	and J
21)	1.50 1 101 - 5.50 1 101	and Modeling ET Under Drought and Deficit Conditions	TCC, 9
250	1:30 PM - 3:30 PM	SymposiumBeyond Indicators and Tradeoffs: Translating Sustainable	100,7
		Intensification Assessments into Action	Marriott, Room 8 and 9
251	1:30 PM - 3:30 PM	SymposiumGrowing Relationships: Biochar Connections to Global	
		Sustainability of Soil, Food, Energy and Environment	TCC, Ballroom A
252	1:30 PM - 3:30 PM	SymposiumCover Crops and Forage Utilization in Integrated	
		Crop-Livestock Systems III	TCC, 19
253	1:30 PM - 3:30 PM	SymposiumRoot Physiology: Integration of Molecular Biology	TCC 22
254	1.20 PM 2.20 DM	to Functional Traits Turf Post Management: Insects and Diseases	TCC, 22 Marriott Crand Ballroom B
254 255	1:30 PM - 3:30 PM 1:30 PM - 3:30 PM	Turf Pest Management: Insects and Diseases CrossDivSymposiumAgroforestry for Sustainable Resource	Marriott, Grand Ballroom B
_00	1.001111 0.001111	Management and Food Security	TCC, 18
			-

		Sessions requiring texets designated with	
No.	Тіме	Session Title	LOCATION
256	1:30 PM - 3:30 PM	SymposiumMicrobial Controls on Soil Carbon and Nutrient	
250	1.50 1 101 - 5.50 1 101	Ecological Flows in Terrestrial Ecosystems	TCC, 10
257	1:30 PM - 3:30 PM	SymposiumCelebrating the Impactful Career of Dr. E.J. Kamprath	Marriott, Florida Salon VI
258	1:30 PM - 3:35 PM	SymposiumLong-Term Agro-Ecosystem Research (LTAR)	TCC, 14
259	1:30 PM - 3:35 PM	Partnerships with Private and Public Entities	Marriott, Grand Ballroom D
260	1:30 PM - 3:35 PM	Symposiumthe Bridge from Biofortification to Bioavailability	TCC, 11
260 261		SymposiumNew Insights on Biogeochemical Processes in Terrestrial	100, 11
201	1:30 PM - 3:35 PM		TCC 20
0(0		Ecosystems As Revealed By Isotopic and Biomarker Approaches II	TCC, 20
262	1:30 PM - 3:35 PM	SymposiumSocietal Challenges and Soil Chemistry	TCC, 15
263	1:30 PM - 3:35 PM	SymposiumSoils, Minerals and Landscapes of the Gulf Coast	TCC, 2
264	1:30 PM - 3:35 PM	SymposiumBiogeochemistry of Natural and Engineered Nanoparticles	
		in the Environment II	TCC, 6
265	1:30 PM - 3:35 PM	SymposiumPb in Urban Soils	TCC, 32
266	1:30 PM - 3:50 PM	Genomics, Molecular Biology and Biotechnology	TCC, 23
267	1:30 PM - 4:15 PM	Turf Physiology, Breeding and Genetics	Marriott, Florida Salon I-III
268	1:30 PM - 4:20 PM	Plant Genetic Resources General Oral	TCC, 1
269	1:30 PM - 4:30 PM	Development of Tools for Precision Agriculture II	TCC, 8
270	1:30 PM - 4:30 PM	Soil Health for Agroecosystems Oral	TCC, 3
271	1:30 PM - 4:30 PM	Turf Weed Management and Plant Growth Regulators	
		(includes student competition)	Marriott, Florida Salon IV
272	1:30 PM - 4:40 PM	Alternative Cropping Systems and Soil Health	TCC, 7
273	2:00 PM - 4:30 PM	Special SessionWomen in Science Workshop: Connecting Mindfulness	
		and Work-Life Balance	TCC, Ballroom D
274	2:00 PM - 4:00 PM	SymposiumDouble-Cropping Systems for Soybean	TCC, 5
275	2:00 PM - 4:00 PM	SymposiumImportance of Soil Health to Food Security: National and) -
2,0	2.001101 1.001101	Global Security Concerns	Marriott, Room 3
276	2:00 PM - 4:05 PM	SymposiumNew Ideas and Instruments in Pedology	
270	2.00 1 101 - 4.00 1 101	(includes student competition)	Marriott, Grand Ballroom C
277	2:00 PM - 6:00 PM	William H. Patrick, Jr. Memorial Lectureship	TCC, 13
277			
070	2:30 PM - 3:00 PM	AE Training for A302 Agronomy Journal Editorial Board	Marriott, Grand Ballroom G
278	2:30 PM - 3:15 PM	CSSA Business MeetingSeed Physiology, Production and Technology	TCC, 31
279	2:45 PM - 4:50 PM	Poster and 5 Minute RapidSoil Physics and Hydrology Division	TCC 01
	2 00 DM 5 00 DM	Student Competition, Part 1 - Lightning Orals	TCC, 21
200	3:00 PM - 5:00 PM	A302 Agronomy Journal Editorial Board	Marriott, Grand Ballroom G
280	3:15 PM - 5:00 PM	Special SessionExpert panel: ASA/CSSA/SSSA Journals –	
• • • •		From Manuscript Submission to Publishing.	TCC, 25
281	3:30 PM - 4:00 PM	Round TableOn-Farm Research: Data Exploration and Analysis with	
		Community Planning Sessions	Marriott, Grand Ballroom I
			and J
282	3:30 PM - 4:30 PM	SSSA Business MeetingWetland Soils	TCC, 13
283	3:30 PM - 5:00 PM	Round TableBeyond Indicators and Tradeoffs: Translating Sustainable	
		Intensification Assessments into Action	Marriott, Room 8 and 9
284	3:45 PM - 4:20 PM	Poster and 5 Minute RapidBiomedical, Health-Beneficial	
		and Nutritionally Enhanced Plants	TCC, 11
285	3:45 PM - 4:30 PM	Panel Discussion: Soil Chemistry and Grand Challenges of Food, Water,	
		Energy and Climate	TCC, 15
286	3:50 PM - 4:30 PM	ASA Business MeetingGlobal Agronomy	Marriott, Room 4
287	4:00 PM - 4:30 PM	ASA Business MeetingBiometry and Statistical Computing	Marriott, Grand Ballroom I
		0 , 1 0	and J
288	4:00 PM - 5:00 PM	SSSA Business Meeting Nutrient Management and Soil and Plant Analysis	Marriott, Florida Salon VI
289	4:00 PM - 5:00 PM	SSSA Business MeetingSoil Fertility and Plant Nutrition	Marriott, Florida Salon VI
290	4:00 PM - 5:30 PM	SSSA Business MeetingUrban and Anthropogenic Soils	TCC, 32
291	4:00 PM - 6:00 PM	Bioenergy Systems Poster Competition	TCC, East Exhibit Hall
292	4:00 PM - 6:00 PM	General Organic Management Systems Poster (includes student competition)	TCC, East Exhibit Hall
293	4:00 PM - 6:00 PM		TCC, Last Exhibit Hair
293	I IVI - 0.00 I IVI	Evapotranspiration Measurement and Modeling Poster	TCC Fast Exhibit Hall
204	4.00 DN4 6.00 DN4	(includes student competition)	TCC, East Exhibit Hall
294	4:00 PM - 6:00 PM	Global Climate Change and AgMIP: More Recent Observations	TCC East Exhibit Hall
205		and Adaptations Poster	TCC, East Exhibit Hall
295 206	4:00 PM - 6:00 PM	Soil-Plant-Water Relations Poster (includes student competition)	TCC, East Exhibit Hall
296	4:00 PM - 6:00 PM	Undergraduate Education General Poster Session	TCC, East Exhibit Hall

		Sessions requiring tickets designated with ""	
No.	Тіме	Session Title	LOCATION
297	4:00 PM - 6:00 PM	Agricultural Practices to Enhance Nitrogen-Use Efficiency and Mitigate	
		Greenhouse Gas Emissions Poster	TCC, East Exhibit Hall
298	4:00 PM - 6:00 PM	Tropical Legumes General Poster (includes student competition)	TCC, East Exhibit Hall
299	4:00 PM - 6:00 PM	Soil Health for Agroecosystems Poster (includes student competition)	TCC, East Exhibit Hall
300	4:00 PM - 6:00 PM	Crop Breeding & Genetics Poster II	TCC, East Exhibit Hall
301	4:00 PM - 6:00 PM	Crop Breeding & Genetics Poster III	TCC, East Exhibit Hall
302	4:00 PM - 6:00 PM	Crop Physiology and Metabolism Poster I	TCC, East Exhibit Hall
303	4:00 PM - 6:00 PM	Crop Ecology, Management and Quality General Poster II	TCC, East Exhibit Hall
304	4:00 PM - 6:00 PM	M.S. Grad Student Poster Competition	TCC, East Exhibit Hall
305	4:00 PM - 6:00 PM	Sports and Golf Turf Management Poster (includes student competition)	TCC, East Exhibit Hall
306	4:00 PM - 6:00 PM	Turf Fertility, Nutrition and Water Quality Poster (includes student competition)	TCC, East Exhibit Hall
307	4:00 PM - 6:00 PM	Turf Management: Pests Poster (includes student competition)	TCC, East Exhibit Hall
308	4:00 PM - 6:00 PM	Turf Science and Management General Poster (includes student competition)	TCC, East Exhibit Hall
309	4:00 PM - 6:00 PM	Forages in the Intermediate South and Southern Plains Poster	TCC, East Exhibit Hall
		Plant Genetic Resources General Poster	TCC, East Exhibit Hall
310	4:00 PM - 6:00 PM		ICC, East Exhibit Hall
311	4:00 PM - 6:00 PM	Biomedical, Health-Beneficial and Nutritionally Enhanced Plants General Poster	TCC, East Exhibit Hall
312	4:00 PM - 6:00 PM	New Insights on Biogeochemical Processes in Terrestrial Ecosystems	
		As Revealed By Isotopic and Biomarker Approaches Poster	TCC, East Exhibit Hall
313	4:00 PM - 6:00 PM	Soil and Water Management and Conservation General Poster II	
		(includes student competition)	TCC, East Exhibit Hall
314	4:00 PM - 6:00 PM	Soil Biology and Biochemistry Graduate Student Poster Competition	TCC, East Exhibit Hall
315	4:00 PM - 6:00 PM	Surface Residue Management and Impacts on Soil Biology	
		and Soil Health Poster	TCC, East Exhibit Hall
316	4:00 PM - 6:00 PM	Microbial Transformations of Minerals, Metals and Organic Matter: Impacts on Contaminant Dynamics and Carbon Storage Poster	
		(includes student competition)	TCC, East Exhibit Hall
317	4:00 PM - 6:00 PM	The Role of Soils in Mitigating Environmental Contaminant Exposure	
		Poster (includes student competition)	TCC, East Exhibit Hall
318	4:00 PM - 6:00 PM	Managing, Manipulating, and Predicting Phosphorus Losses in Phosphorus Saturated Soils: Current State of the Science Poster	
		(includes student competition)	TCC, East Exhibit Hall
319	4:00 PM - 6:00 PM	Soils and Environmental Quality General Poster	TCC, East Exhibit Hall
320	4:30 PM - 6:00 PM	Wetland Soils Mixer	TCC, 13
321	5:00 PM - 6:00 PM	Soil Physics and Hydrology Division Student Competition, Part 2 - Posters	TCC, East Exhibit Hall
322	5:00 PM - 6:45 PM	Launch of the Sustainable Intensification Assessment Framework	Marriott, Room 8 and 9
323	5:15 PM - 8:00 PM	Leo M. Walsh Soil Fertility Distinguished Lectureship	Marriott, Florida Salon VI
	5:30 PM - 7:00 PM	S303 Vadose Zone Journal Editorial Board	Marriott, Grand Ballroom A
324	5:30 PM - 7:00 PM	Special SessionElevator Speech Contest for Grad Students and Post-Docs	TCC, 3
	5:30 PM - 7:30 PM	ISU Mixer	Marriott, Florida Salon I-II
325	6:00 PM - 7:00 PM	SSSA Business MeetingSoil Chemistry	TCC, 5
326	6:10 PM - 7:30 PM	SSSA Business MeetingSoil Mineralogy	TCC, 2
327	6:30 PM - 7:15 PM	SSSA Business MeetingSoils and Environmental Quality	TCC, 6
	6:30 PM - 7:30 PM	Speciality Group Social - LGBTQ+ Scientists and Allies	Marriott, Room 6
	6:30 PM - 8:30 PM	PacNW Tri-State Alumni Reception	Marriott, Room 4
	6:30 PM - 8:30 PM	University of Nebraska-Lincoln Department of Agronomy	
	0.001101 0.001101	and Horticulture, Big Red Mixer	Marriott, Grand Ballroom C
	7:00 PM - 8:30 PM	ACS Graduate Student Committee	TCC, 3
328	7:00 PM - 8:30 PM	Screening of "Between Earth and Sky"	TCC, Ballroom D
	nesday	Screening of Detween Lann and Sky	ree, bailtoont b
	7:00 AM - 7:30 AM	Moderator Training VII	TCC, 15
329	7:00 AM - 9:00 AM	ASA Breakfast, Awards, and Plenary	
		(E.T. & Vam York Distinguished ASA Lectureship)	Marriott, Grand Ballroom E and F
	7:00 AM - 4:30 PM	Extension Materials on Display III	TCC, East Exhibit Hall
	7:30 AM - 4:00 PM	Mosaic Phosphate Mine	TCC, Front Drive
330	7:55 AM - 9:15 AM	New Paradigms of Soil Organic Matter and Consequences for Forest	
		Soils and Management Oral	TCC, 20
		0	/ -

No.	Тіме	Session Title	Location
331	7:55 AM - 9:45 AM	Soil Physics and Hydrology General Oral	Marriott, Grand Ballroom I and J
332	7:55 AM - 12:10 PM	Nitrogen Efficiency, Cycling and Environmental Impacts	TCC, 10
333	8:00 AM - 9:40 AM	Crop Breeding & Genetics Oral III : Focus on Phenotyping	Marriott, Florida Salon VI
334	8:00 AM - 9:50 AM	Surface Residue Management and Impacts on Soil Biology and Soil Health	TCC, 22
335	8:00 AM - 10:00 AM	SymposiumBuilding Soil Organic Matter and Improving Soil Function	
		in Grazing Lands	TCC, 19
336	8:00 AM - 10:00 AM	SymposiumPhenotyping Plant Genetic Resources to Support Climate	
		Smart Agriculture	TCC, 1
337		Crop Physiology and Metabolism General Oral III	TCC, 5
338		Soil and Water Management and Conservation General Oral III	TCC, 31
339		Soils and Environmental Quality General Oral II	TCC, 39
340	8:00 AM - 11:50 AM	Phosphorus, Potassium and Other Nutrients - Soil Fertility	
• • •		and Plant Nutrition	TCC, 13
341	8:00 AM - 12:00 PM	Special Session SymposiumHumic Products: Uses in Crop Production	
	0.00 AN (10.00 PM	and Soil Improvement	Marriott, Grand Ballroom B
342		Soil Chemistry General Oral	TCC, 37
343		The Future of Soil Horizon Research (includes student competition)	Marriott, Grand Ballroom D
344	8:15 AM - 9:30 AM	5 Minute RapidGeneral Turf Topics and USGA-Gcsaa Research	TCC, 23
345	8:25 ANI - 11:35 ANI	Environmental Fate of Chemicals of Emerging Concern Oral (includes student competition)	TCC, 36
	8.20 AM 0.00 AM	Mindfulness Specialty Group: Wednesday	Marriott, Room 4
346		The Role of Soils in Mitigating Environmental Contaminant Exposure	Marriott, Room 4
540	0.50 Alvi - 12.00 I Ivi	Oral (includes student competition)	TCC, 38
347	9.00 AM - 10.45 AM	Wetland Soils General Oral (includes student competition)	TCC, 7
517		SSSA Division Leadership Training	TCC, 24
348		SymposiumSoil Health Management and Assessment	TCC, 9
010		Graduate School Forum	TCC, East Exhibit Hall
		Exhibits & Career Center Open	TCC, East Exhibit Hall
349		Fire Effects on Soils Oral	TCC, 20
350		CSSA Business MeetingCrop Ecology, Management and Quality	Marriott, Room 11
351		SymposiumSoil and Fertilizer Management for Food Crops to Improve Human Mineral Nutrition	TCC, 11
352	9:30 AM - 10:20 AM	Undergraduate Education General Oral Session	Marriott, Room 10
		Crops & Soils Editorial Board Meeting	Marriott, Room 12
353		Special Session SymposiumSoil Organic Matter Management	,
		Alternatives in a Smallholder Context	TCC, Ballroom A
	9:30 AM - 11:00 AM	Science Not Silence: An Advocacy Workshop †	Marriott, Room 9
354	9:30 AM - 11:15 AM	Beyond RCBD:Experimental Design for Spatial Variability	Marriott, Florida Salon I-III
355	9:30 AM - 11:30 AM	SymposiumUsing Economic Analyses to Complement Agronomic Data	Marriott, Room 2
356	9:30 AM - 11:35 AM	Special Session SymposiumOrganic Agriculture Soil Health Research	Marriott, Grand Ballroom G and H
357	9:30 AM - 11:35 AM	Education and Extension General Oral	Marriott, Grand Ballroom C
358	9:30 AM - 11:50 AM	SymposiumAdvances in Characterizing Agriculture's Role in the	
		Nitrogen Cycle: Measurement Methods, Instruments, and Insights	Marriott, Florida Salon IV
359		Agronomic Production Systems General Oral II	Marriott, Grand Ballroom D
360		Climatology and Modeling Oral General II	Marriott, Florida Salon V
361		Crop Water Management By Plant or Soil Water Sensors	Marriott, Room 1
362	9:30 AM - 12:00 PM	Amending Degraded Soils with Biochar to Promote Revitalization: The	T 222 A 1
	0.00 AN (10.00 PM	Chemistry, Physics and Biology of Biochar Mediated Soil Revitalization	TCC, 21
363		Economics of Cover Crops and Impact on Crop Productivity	TCC, 18
364		Soil Carbon and Greenhouse Gas Emissions General Oral II	TCC, 14
	9:30 AM - 3:30 PM	Tarpon Springs, Home of the Sponge Docks	TCC, Front Drive
365	9:30 AM - 4:15 PM	Nutrient Source Control at the Field, Farm and Watershed Scales	TCC 12
200	0.40 ANE 11 05 ANE	(includes student competition)	TCC, 12
366	9:40 AM - 11:25 AM	Evapotranspiration Measurement and Modeling Oral	Marriett Baarra 2
267	0.50 AM 12.00 DM	(includes student competition)	Marriott, Room 3
367 368		CSSA Business MeetingTurf Science	TCC, 23
368	9.55 AIVI - 12:00 PIVI	SymposiumProximal and Remote Sensing Techniques in Soil Physics and Hydrology	Marriott, Grand Ballroom I
		and Hydrology	and J

No.	Тіме	Session Title	LOCATION
369	10:00 AM - 10:55 AM	Advancing Pedology in the 21st Century	Marriott, Florida Salon VI
370		Nutrient Management: Science, Laws and Regulations	TCC, 8
		Generation Image – Photography 101 for Communicating Science	
		and Research-Wednesday †	TCC, 15
371	10:00 AM - 11:35 AM	Agroforestry for Soil Health and Water Quality Benefits	TCC, 33
372		Soil Health Assessment and Tools	TCC, 32
373	10:00 AM - 11:40 AM	Tropical Legumes General Oral (includes student competition)	TCC, 3
		AC\$324.1 Journal of Environmental Quality Editorial Board	Marriott, Grand Ballroom A
374		SymposiumGiants of Agricultural Progress and Impacts from Public	
		Agricultural Research	TCC, 19
375	10:10 AM - 12:10 PM	Symposiumthe Role of Seeds in Conservation of Genetic Resources	
		and Landscapes	TCC, 1
376	10:20 AM - 10:55 AM	Sergei A. Wilde Early Career Achievement Award Lectureship	TCC, 20
377		Symposium"Hot" Tools and Technologies from Public-	
		and Private-Sector Agronomy Programs	Marriott, Room 10
378	10:30 AM - 12:00 PM	Francis E. Clark Distinguished Lectureship on Soil Biology	TCC, 22
379	10:40 AM - 11:40 AM	CSSA Business MeetingCrop Physiology and Metabolism	TCC, 5
380	10:55 AM - 11:55 AM	SSSA Business MeetingPedology	Marriott, Florida Salon VI
381	10:55 AM - 12:00 PM	Crop Ecology, Management and Quality General Oral III	Marriott, Room 11
382	11:00 AM - 12:00 PM	Sergei A. Wilde Distinguished Lectureship on Forest Soils	TCC, 20
383		SymposiumSoil Organic Matter Management Alternatives for Smallholders	TCC, Ballroom A
384	11:15 AM - 12:00 PM	Bayesian Based Agronomic Decision Systems	Marriott, Florida Salon I-III
385	11:30 AM - 1:00 PM	Special SessionScience and Future of Sustainable Biotechnology-	
		A Think Tank Session	TCC, 25
386	12:00 PM - 1:00 PM	SSSA Business MeetingSoil Biology and Biochemistry	TCC, Ballroom D
387	12:00 PM - 1:30 PM	SSSA Business MeetingSoil Physics and Hydrology	Marriott, Grand Ballroom F
388	1:00 PM - 1:45 PM	5 Minute Rapid: Crop Breeding & Genetics Oral IV	TCC, 9
	1:00 PM - 2:00 PM	Kirkham Conference Committee Meeting	Marriott, Grand Ballroom A
389	1:00 PM - 2:30 PM	ASA Business MeetingEnvironmental Quality	TCC, 8
	1:00 PM - 5:00 PM	Humic Products Trade Association Annual Meeting	Marriott, Grand Ballroom G
			and H
200	1:00 PM - 5:00 PM	Analyzing Repeated Measures Data †	TCC, 7
390	1:20 PM - 2:30 PM	Land Management and Conservation General Oral	TCC, 1
391	1:30 PM - 2:25 PM	Poster and 5 Minute RapidCrop Ecology, Management and Quality	TCC, 31
392	1:30 PM - 2:25 PM	Biomedical, Health-Beneficial and Nutritionally Enhanced Plants	TCC 11
202	1.20 DM 2.20 DM	General Oral	TCC, 11
393 204	1:30 PM - 2:30 PM	ASA Business MeetingAgronomic Production Systems	TCC, 5 TCC, 37
394 395	1:30 PM - 2:30 PM 1:30 PM - 2:30 PM	Biometry and Statistical Computing General Oral ASA Business MeetingEducation and Extension	TCC, 13
		National and International Policy and Incentives for Soil Health	TCC, 3
396 397	1:30 PM - 2:30 PM 1:30 PM - 2:30 PM	CSSA Business MeetingForage and Grazinglands	TCC, 19
398	1:30 PM - 2:30 PM	SSSA Business MeetingFolage and Glazinglands SSSA Business MeetingSoil and Water Management and Conservation	TCC, 33
399	1:30 PM - 2:50 PM	Micronutrients - Soil Fertility and Plant Nutrition	TCC, 39
399	1:30 PM - 3:00 PM	Special SessionRelatable Science – Communicating in 2017	TCC, 15
400	1:30 PM - 3:00 PM	SSSA Business MeetingForest, Range and Wildland Soils	TCC, 38
401	1:30 PM - 3:05 PM	Proximal and Remote Sensing Techniques in Soil Physics and Hydrology	Marriott, Grand Ballroom I
101	1.001101 0.001101	rioxinarana remote bensing rechniques in bon rivysies and rivarology	and J
402	1:30 PM - 3:20 PM	SymposiumNext Generation Soil Health Assessment	TCC, 18
403	1:30 PM - 3:20 PM	Managing Nutrients for Vegetable, Fruit and Specialty Crops	TCC, 36
404	1:30 PM - 3:20 PM	Spatial Relationships, Data Analysis, and Bioenergy Crops -	,
		Soil Fertility and Plant Nutrition	TCC, 14
405	1:30 PM - 3:30 PM	Special SessionGrant Application Navigation and Resources for	-
		Expanding Early Career Opportunities	TCC, 25
406	1:30 PM - 3:35 PM	Soil Biology and Biochemistry Session on Nitrogen Dynamics	TCC, 22
407	1:30 PM - 4:05 PM	General Organic Management Systems Oral II	TCC, 20
	1:30 PM - 4:30 PM	Open Source Decision Support Tools and Systems for Improving	-
		Soil Health and Ecosystem Services (by invitation only)	Marriott, Grand Ballroom C
408	1:45 PM - 2:30 PM	CSSA Business MeetingJoint Division C01 and C07	TCC, 9
	2:00 PM - 3:00 PM	Women in Science Committee Meeting	Marriott, Greco Boardroom
	2:30 PM - 3:00 PM	ASA Community Stewardship and Review Committee	TCC, 32
409	2:30 PM - 4:30 PM	Agronomic Production Systems General Poster	TCC, East Exhibit Hall

No.	Тіме	Session Title	Location
410	2:30 PM - 4:30 PM	General Bioenergy Systems Poster	TCC, East Exhibit Hall
411	2:30 PM - 4:30 PM	Biometry and Statistical Computing General Poster	TCC, East Exhibit Hall
412	2:30 PM - 4:30 PM	Climatology and Modeling General Poster	TCC, East Exhibit Hall
413	2:30 PM - 4:30 PM	Education and Extension General Poster	TCC, East Exhibit Hall
414	2:30 PM - 4:30 PM	Extension and Education in Agronomy Poster	TCC, East Exhibit Hall
415	2:30 PM - 4:30 PM	Extension Materials on Display Poster I	TCC, East Exhibit Hall
416	2:30 PM - 4:30 PM	Beef and Dairy Systems: Economics and Environmental Footprint Poster	
44 8		(includes student competition)	TCC, East Exhibit Hall
417	2:30 PM - 4:30 PM	Nutrient Dynamics and Management in Dairy and Beef Cattle	
410		Production Systems Poster (includes student competition)	TCC, East Exhibit Hall
418	2:30 PM - 4:30 PM	Nutrient Management and Environmental Quality General Poster	TCC Fast Fashibit Hall
410		(includes student competition)	TCC, East Exhibit Hall
419	2:30 PM - 4:30 PM	Soil Carbon and Greenhouse Gas Emissions General Poster I	TCC, East Exhibit Hall
420	2:30 PM - 4:30 PM	Global Agronomy General Poster	TCC, East Exhibit Hall
421	2:30 PM - 4:30 PM	Land Management and Conservation General Poster	TCC, East Exhibit Hall
422	2:30 PM - 4:30 PM	Crop Physiology and Metabolism Poster II	TCC, East Exhibit Hall
423	2:30 PM - 4:30 PM	Crop Ecology, Management and Quality General Poster III	TCC, East Exhibit Hall
424	2:30 PM - 4:30 PM	Forages in Florida and the Tropics Poster	TCC, East Exhibit Hall
425	2:30 PM - 4:30 PM	Forages in Northern Areas Poster	TCC, East Exhibit Hall
426	2:30 PM - 4:30 PM	Fire Effects on Soil Posters	TCC, East Exhibit Hall
427	2:30 PM - 4:30 PM	New Paradigms of Soil Organic Matter and Consequences for Forest	
400		Soils and Management Poster	TCC, East Exhibit Hall
428	2:30 PM - 4:30 PM	Coevolution of Soils and Landscapes Poster (includes student competition)	TCC, East Exhibit Hall
429	2:30 PM - 4:30 PM	New Ideas and Instruments in Pedology Poster	
420	2.20 DM 4.20 DM	(includes student competition)	TCC, East Exhibit Hall
430	2:30 PM - 4:30 PM	Managing Soils and Crops with Cover Crops Poster	TCC, East Exhibit Hall
431	2:30 PM - 4:30 PM	Soil and Water Management and Conservation General Poster III	TCC, East Exhibit Hall
432	2:30 PM - 4:30 PM	Soil Chemistry General Poster	TCC, East Exhibit Hall
433	2:30 PM - 4:30 PM	Enhanced Efficiency N Fertilizers/N Management/Volatile N Loss Poster	TCC, East Exhibit Hall
434 425	2:30 PM - 4:30 PM	Nutrients from Organic and Non-Traditional Fertilizers Poster	TCC, East Exhibit Hall
435 436	2:30 PM - 4:30 PM	Phosphorus Poster Soil Fortility and Plant Nutrition of Agronomia Crone Poster I	TCC, East Exhibit Hall
436 437	2:30 PM - 4:30 PM	Soil Fertility and Plant Nutrition of Agronomic Crops Poster I	TCC, East Exhibit Hall
438	2:30 PM - 4:30 PM	Soil Fertility and Plant Nutrition of Agronomic Crops Poster II Soil Physics and Hydrology General Poster Session 1	TCC, East Exhibit Hall
438 439	2:30 PM - 4:30 PM 2:30 PM - 4:30 PM	Wetland Soils General Poster (includes student competition)	TCC, East Exhibit Hall TCC, East Exhibit Hall
440	2:40 PM - 3:40 PM	CSSA Business MeetingBiomedical, Health-Beneficial	TCC, East Exhibit Haii
110	2,401101-0,401101	and Nutritionally Enhanced Plants	TCC, 11
441	2:45 PM - 3:15 PM	ASA Business MeetingLand Management and Conservation	TCC, 1
111	3:00 PM - 4:00 PM	ASA Section and Community Feedback Meeting	TCC, 32
442	3:00 PM - 4:30 PM	Proximal and Remote Sensing Techniques in Soil Physics	100,02
112	5.001101-4.501101	and Hydrology - Posters	TCC, East Exhibit Hall
443	3:00 PM - 4:30 PM	Soil Physics and Hydrology General Poster Session 2	TCC, East Exhibit Hall
444	3:30 PM - 4:30 PM	Special SessionScience Communicators Reception	TCC, 15
111	4:30 PM - 5:00 PM	Closing Reception	TCC, Ballroom C Foyer
445	5:00 PM - 6:00 PM	ASA, CSSA and SSSA Closing Keynote	TCC, Ballroom C
	rsday	non, coortana ooort closing reynole	ree, builtooni e
	-	CCCA Roard of Directors Masting	Marriatt Cross J Dallass
		CSSA Board of Directors Meeting	Marriott, Grand Ballroom A
		Global Agronomy Tour of the Gulf Coast Research & Education Center †	TCC, Front Drive
	7.00 AIVI - 12:00 PIVI	Open Source Decision Support Tools and Systems for Improving	Marriatt Grand Pallroam C
	0.00 ANA 2.00 DNA	Soil Health and Ecosystem Services (by invitation only)	Marriott, Grand Ballroom C

9:00 AM - 3:00 PM Tour the Citrus Research and Education Center in Lake Alfred, FL †

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TCC, Front Drive

Notes