

ADSA® - PSA - AMPA - CSAS - WSASAS - ASAS July 11–15, Denver, Colorado

# Conference Information and Scientific Program

## **WELCOME to JAM 2010!**







James Oltjen, ASAS President



Sally Noll, PSA President



Karen Schwartzkopf-Genswein, CSAS President



Miguel Cervantes-Ramirez, AMPA President

On behalf of the participating societies, we welcome you to JAM 2010. This year, in addition to the American Society of Animal Science (ASAS), the American Dairy Science Association® (ADSA®), and the Poultry Science Association (PSA), we welcome the participation of the Canadian Society of Animal Science (CSAS) and the Asociación Mexicana de Producción Animal (AMPA), making this meeting one of the largest ever. The annual meeting is an important event for all of the societies. It is a great opportunity to share ideas across species and societies, visit with each other in person, and make new acquaintances.

Many opportunities exist for interaction among society members, starting with the opening session and reception on Sunday, July 11, when a live John Denver Tribute concert will kick off the week. Other special events include the National Extension Workshop and Informal Nutrition Symposium on Sunday, July 11, a presentation by Dr. Roger Beachy (USDA-NIFA) on Monday, July 12, and the FASS update scheduled for Tuesday, July 13, where the activities of the FASS Science Policy Directors will be highlighted. And don't miss the Global Networking Reception on Wednesday, July 14—it's open to all attendees, friends, and families.

The meeting program offers many different educational and professional development opportunities. Over 2,800 abstracts were accepted and over 44 scientific symposia are scheduled. The program committee worked hard to produce an integrated program across species. Scheduled symposia include the National Extension Workshop; Nonruminant Nutrition: Nutrigenomics; Animal Health: Accounting for Diseased Animals in Research Trials (Outliers, Treatment Interactions, and Disease Induction by Treatment); Dairy Products and Human Health: The Facts; Companion Animals: Comparative Enrichment—Implications on Health and Behavior; Dairy Foods: Towards a Mechanistic Understanding of Probiotic Function in Man and Animals; Contemporary Issues: Global Livestock Production to 2050; CSAS Symposium: Livestock Transport; ASAS Cell Biology Symposium: Receptors and Signal Transduction; Breeding and Genetics, Physiology, and Endocrinology: Bridging the Gap Between Physiology and Genomics; Growth and Development: Intestinal Development and Growth; Meat Science and Muscle Biology: Impact of Pre- and Post-Slaughter Handling on Meat Quality; Physiology and Endocrinology: Sperm Oviduct Interaction in Livestock and Poultry. Graduate students should check out the symposium titled "Transitions."

We are grateful to the many people involved with this meeting and program, starting with our sponsors—their support is essential to the success and quality of the program. A list of sponsors of this year's meeting is available in this program book. Please take time to thank them during the meeting. The program committee has worked long and hard to organize an excellent program. Our thanks to the overall program committee of Greg Lardy (chair), Clint Krehbiel, John Vicini, Dave Casper, Chris Ashwell, Amy Batal, and Karen Schwartzkopf-Genswein. We also thank the many others who contributed to this huge undertaking, including the FASS staff and the executive and associate executive directors of the founding societies: Meghan Wulster-Radcliffe and Paula Schultz (ASAS), Jim Kessler and Jon Cole (PSA), and Peter Studney (ADSA).

Most of all, thank you, our attendees, for participating in JAM 2010 and making it a success!

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## http://adsa.psa.ampa.csas.asas.org/meetings/2010/

## **Important Message**

In the event that protestors interrupt the meetings, please ignore them. Their goal is to attract attention and any attention you give them will only help their cause. Convention staff has a plan in place to handle these situations, and they depend on your cooperation. If members of the media approach you for an interview, please politely refuse and direct them to the convention's media room, where spokespersons are available.

Thank you for your cooperation.

## **General Meeting Information**

#### Location

The Colorado Convention Center is conveniently located at the heart of exciting downtown Denver within easy walking distance of more than 7,000 hotel rooms, 300 restaurants, the nine theatres of the Denver Performing Arts Complex, and a wide variety of shopping venues.

#### **Schedule of Events**

The 2010 ADSA®-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting will be held July 11–15 (Sunday through Thursday). The opening session will be held on Sunday evening, July 11; scientific sessions will begin Monday morning, July 12, and run through noon on Thursday, July 15. *Please note that the schedule for this meeting is Sunday to Thursday*.

The Triennial Growth Symposium: Dietary Regulation of Growth and Development will be held Sunday, July 11.

The opening session will begin with a presentation on animal agriculture in Colorado by the new president of Colorado State University, Dr. Anthony Frank. The festivities will continue with "The Absolute Best John Denver Tribute Concert" performed live by John Adams and his band! Since John Denver's untimely death in 1997, John Adams has promised to keep the legend's music alive. John Denver himself was amazed by how much the two sounded alike when he was alive, so this show is sure to provide great entertainment for all! Join us for dessert and beverages at the reception that follows.

The complete schedule of events can be found on page 37 of this book.

#### **Program Format for 2010**

Poster sessions	7:30 am–9:30 am
Scientific sessions	:30 am-12:30 pm
Lunch break	2:30 pm-2:00 pm
Scientific sessions	2:00 pm-5:00 pm

Meeting rooms will be equipped for electronic presentations and preloaded sessions. A Cyber Café will be available for attendees to keep up to date while at the meeting.

## **Registration Hours**

Registration will be located on Level 1 of the Colorado Convention Center in Denver, in front of Exhibit Hall F. Registration hours for the 2010 ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting, including special symposia and other events, will be as follows:

Saturday, July 10 (preregistered only)	3:00 pm-5:00 pm
Sunday, July 11	7:00 am-7:00 pm
Monday, July 12	6:30 am-5:15 pm
Tuesday, July 13	6:30 am-5:15 pm
Wednesday, July 14	6:30 am-5:15 pm
Thursday, July 15	8:00 am-1:00 pm

#### **Important Phone Numbers**

Registration Desk	(303) 228-8239
Hyatt Regency at the Colorado Convention Center	(303) 436-1234
Grand Hyatt Denver	(303) 295-1234
Comfort Inn Denver, Downtown	(303) 296-0400
Crowne Plaza Denver	(303) 573-1450
Marriott City Center Denver	(303) 297-1300
Residence Inn City Center	(303) 296-3444
Hilton Garden Inn	(303) 603-8000

#### **Media Check-In**

Please check in at the Registration Desk on the 1st Level lobby, outside Exhibit Hall F of the Colorado Convention Center.

## **Speaker Ready Room**

The Speaker Ready Room is located in Room 407 of the Colorado Convention Center. This room will be available for speakers from 7:00 am to 5:00 pm on each day of the meeting.

## **Hospitality Lounge**

A hospitality lounge will be located in Room 709 of the Colorado Convention Center. This lounge will offer attendees an area to relax, network, and catch up with old friends. The hospitality lounge is also a great meet-up place when departing the convention center as a group.

#### **Business Center**

The Business Center is located off Lobby A in the Colorado Convention Center and provides printing, copying, and shipping services. The Business Center is open from 7:30 am to 5:30 pm during the meeting.

## **Presentation Information**

## **Oral and Invited Speakers**

Oral sessions will begin at 9:30 am on Monday and Tuesday, 10:30 am on Wednesday, and 8:30 am on Thursday. Please note that all session rooms will be equipped with a computer and LCD projector. All oral presentations and invited speaker presentations will be preloaded before the start of the session based on the schedule below.

## **Onsite Upload Information**

Onsite upload: We will provide onsite presentation uploading in Room 407. Files can be delivered to the pre-load room (Room 407) on the day prior to your scheduled presentation. Note: Presentations must be uploaded by 5:00 pm on the day before your scheduled presentation; no exceptions will be made. Files will not be accepted by e-mail.

#### **Poster Presentations**

We have dedicated a two-hour block each morning to poster presentations. The "open poster" sessions will be from 7:30 to 9:30 am Monday, Tuesday, and Wednesday in the Convention Center, Exhibit Hall F.

Each poster presentation will be available for public viewing for the entire day, with the presenting authors present during the open posters time (7:30–9:30 am). All posters must be mounted on the board 30 minutes before the beginning of the day's session (**poster sessions begin at 7:30 am so posters must be mounted on boards by 7:00 am**). The exhibit hall will open at 6:30 am on Monday through Wednesday. **Posters must be removed after 5:00 pm each day**. Any posters remaining after 5:30 pm will be removed by the convention center staff and discarded.

Each poster board area is 48 inches high and 96 inches wide. Use of this space is dictated by the presenter, with the following exceptions: the top of the poster space should include the abstract number, title, authors, and affiliations. The lettering for this section should be at least 1 inch high.

#### **Locating the Correct Poster Board**

Each poster board number corresponds to the abstract number as noted in the program. For Monday posters an "M", Tuesday posters a "T", and for Wednesday posters a "W" precede the board number.

#### Camera, Video Camera, and Cell Phone Policy

Use of cameras, video cameras, and cell phones (for calls or as cameras) is prohibited during oral and poster presentations to minimize disruption and unauthorized dissemination of data. Anyone found in violation of this policy will be asked to leave the conference.

#### **ARPAS Continuing Education Units**

The 2010 ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting has been approved for up to 21 continuing education units (CEUs) for the American Registry of Professional Animal Scientists (ARPAS) certification requirements. Check the schedule of events for times and location of the ARPAS exams.

## **Continuing Education Credits for Veterinarians (RACE credits)**

Many of the symposia at the 2010 Joint Annual Meeting will be approved for RACE credits. We are in the process of having specific symposia approved. Following approval, symposia approved for RACE credits will be posted online at http://adsa.psa.ampa.csas.asas.org/meetings/2010/.

#### **Job Resource Center**

The ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Job Resource Center is located in the exhibit hall. The job announcements and resumes will be organized into the following categories for posting: Animal Behavior and Well-Being; Animal Health; Animal Breeding; Companion Animals; Extension; Food Safety; Food Science; Forages and Pastures; Genetics; Growth and Development; International Animal Agriculture; Lactation; Meat Science and Muscle Biology; Nonruminant Nutrition; Pharmacology and Toxicology; Physiology and Endocrinology; Poultry Production and Management; Poultry Nutrition; Poultry Processing; Poultry Health; Production and Management; Ruminant Nutrition; and Teaching.

#### **E-Career Tool Now Available Online!**

Whether you are an employer looking to fill a position or a potential employee looking for a job, the E-Career Tool has been developed to facilitate this communication. The E-career tool is free to use and very user friendly. Take advantage of the "search employee" function to identify potential candidates and see where and when they will be presenting their work at the 2010 ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting. For the job seeker, upload your CV and cover letter.

ASAS is excited to bring this feature to Joint Annual Meeting attendees once again, and we hope you will take full advantage of this exciting tool! Visit http://adsa.psa.ampa.csas.asas.org/meetings/2010/ecareer.asp for more information! See you in Denver!

## **Cyber Café**

Keep in touch with work, family, and friends during the ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting at the Cyber Café. Located in exhibit hall, the Cyber Café is available to all meeting attendees. The Cyber Café will also have a computer with a printer for limited printing during the meeting.

## **Headquarters Hotels**

## Hyatt Regency at the Colorado Convention Center

ASAS Headquarter Hotel 650 15th Street Denver, CO 80202 (303) 436-1234

#### **Grand Hyatt Denver**

ADSA Headquarter Hotel 1750 Welton Street Denver, CO 80202 (303) 295-1234

#### **Comfort Inn Downtown Denver**

Student Headquarter Hotel 401 17th Street Denver, CO 80202 (303) 296-0400

#### Crowne Plaza Denver

PSA Headquarter Hotel 1450 Glenarm Place Denver, CO 80202 (303) 573-1450

#### **Marriott City Center Denver**

CSAS Headquarter Hotel 1701 California Street Denver, CO 80202 (303) 297-1300

#### Residence Inn City Center

Official JAM Hotel 1725 Champa Street Denver, CO 80202 (303) 296-3444

#### Hilton Garden Inn

Official JAM Hotel 1400 Welton St Denver, CO 80202 (303) 603-8000

## Transportation in Denver: How to get downtown?

#### 1. Shuttle Service

The JAM has partnered with Blue Sky Shuttle to secure a special rate for airport/downtown transportation of \$18.00 one way and \$24.00 round trip. We recommend making reservations in advance at www.blueskyshuttle.com/reservation\_step1.php#. Please use the group code "JAM" to ensure you receive the JAM discount.

#### 2. Taxi Service

Taxicabs are readily available outside the airport. The fare from the airport to the downtown convention hotels will start at \$54.50 plus gratuity. Share a cab with a fellow JAM attendee!

#### 3. Denver Light Rail

RTD light rail offers over 30 convenient stations on several lines to get you anywhere you want to go. Visit http://www.rtd-denver.com/ for maps and more information.

### Welcome to Denver

#### **Denver Sightseeing Options**

When you wake up in Denver, adventure awaits. If you're looking for a chic and sophisticated jaunt, visit one of many museums and galleries that make Denver the Arts Capital of the West. Or include your inner shopper or foodie followed by a blissful afternoon at a spa. Bike paths throughout the city are a great way to explore major attractions or escape for a day trip into the majestic Rockies. A Visitor Information Center is conveniently located inside the 14th and California Street entrance of the Colorado Convention Center, where the staff is available to assist conference attendees with city questions and dining reservations—they know all the best restaurants in the city! There are also more than 100 brochures promoting the best Denver has to offer.

#### **Downtown Denver**

The Brookings Institute ranks Denver as the fourth most walkable downtown in the nation. You can save on shoeleather by riding the free shuttle bus on the 16th Street Mall—it makes everything downtown easy to reach.

## **Colorado State Capitol**

www.state.co.us

Stand exactly 5,280 feet above sea level (one mile high!) on the west steps, and then climb to the rotunda for a panorama of snowcapped peaks. It is against state law to block the view of the 200 named mountains visible from the dome. Free tours on weekdays.

#### **Denver Art Museum**

www.denverartmuseum.org

There are two buildings—one a fortress-like structure from Italian architect Gio Ponti, the other a structure that resembles a titanium crystal with peaks and shards, designed by Daniel Libeskind. Inside, find the world's greatest collection of Native American art and 68,000 other art objects, including works from European masters and Old West classics. Coming July 1, 2010 is Tutankhamen: The Golden King and the Great Pharaohs.

#### **U.S. Mint**

www.usmint.gov/mint\_tours/index.cfm?action=StartReservation

Learn how to make money! The Mint produces 50 million coins a day, each one stamped with "D" for Denver. Free tours show every step in the process of turning a dull, blank, metal slug into shiny pocket change.

#### 16th Street Mall - Pedestrian Mall

Lined with 200 trees and 50,000 flowers, this festive, mile-long pedestrian promenade has 28 outdoor cafes and offers Denver's best people-watching. I. M. Pei designed the gray and pink granite pathway to resemble the pattern of a diamondback rattlesnake. Hop on the bus—they're free and stop on every corner. After dark, horse-drawn carriages clatter up and down the Mall.

#### **Larimer Square**

www.LarimerSquare.com

This trendy block of Victorian buildings is home to chic shopping, dance clubs, a comedy club, outdoor cafés, and a dozen of Denver's best restaurants. For 40 years in downtown Denver, it's hip to be at the "Square."

#### **LoDo Historic District**

www.lodo.org

Denver's happening historic district is filled with turn-of-the-century warehouses, now home to 90 brewpubs, sports bars, restaurants, and rooftop cafes. Stop by Rockmount Ranchwear for a snap-button Western shirt at the store where they were invented; browse from 6:30 a.m. to 9 p.m. at the Tattered Cover Bookstore; listen to jazz at El Chapultepec, one of Esquire Magazine's 50 best bars; or sip a handcrafted beer at the Wynkoop Brewing Company, Denver's first brewpub opened by the current mayor, John Hickenlooper.

#### **Confluence Park**

www.greenwayfoundation.org

Denver was founded here as a gold mining camp in 1858. Today, the river park is the heart of Denver's 850-mile bike trail network and is surrounded by attractions. Gear up for the mountains at the REI Flagship store; ride the Platte River Trolley to the Downtown Aquarium to see stingrays and sharks; eat and drink in the nearby neighborhoods of Riverfront, LoHi, and Highlands; or scream your head off on the Mind Eraser at Elitch Gardens, Denver's downtown theme park.

#### A Dozen Mile High "Must-Dos"

You can't come to Denver without trying some of these activities:

- Stand exactly one mile above sea level on the steps of the State Capitol or in City Park
- Sip a local Denver beer (Denver brews more beer than any other city in the US)
- Taste buffalo (buffalo is the leanest of red meats with fewer calories than chicken)
- See a dinosaur bone (the first dinosaurs were discovered at Dinosaur Ridge, where you can still see bones and footprints embedded in rock)
- Hear a concert at Red Rocks
- Take a hike. There are thousands of miles of hiking trails within an hour or so of downtown
- Cheer on a team! (Denver has a record seven professional sports teams and six sports stadiums)
- Borrow a bike (Denver's bike sharing program offers 500 bikes for sharing at 30 locations)
- Browse art on First Friday (dozens of art galleries in Denver neighborhoods stay open late on the First Friday of the month)
- Enjoy theatre, opera, symphony, and dance (the Denver Performing Arts Complex is the second largest in the nation with 10 venues seating 10,000 people)
- Climb a 14er (there are 54 of them in Colorado—Mount Evans is accessible by car and Pikes Peak can be climbed by car or cog railroad)
- Hit a golf ball (in Denver's rarefied air, golf balls travel 10% farther than at sea level).

## **Special Events**

Student White Water Rafting Trip on Clear Creek Saturday, July 10 12:00 pm – 4:00 pm Bus departs from the Comfort Inn

Tickets: \$44

Prepare for the adventure of a lifetime! We'll do a beginner trip with Class I to III rapids, perfect for first-time paddlers but plenty of action for those seeking it. Participants must complete the necessary liability waivers and should bring rubber-soled foot gear (tennis shoes, river sandals, etc.); swimsuit or shirt and shorts that will dry quickly (nylon, fleece, other synthetics, or wool); sunscreen and lip balm; sunglasses with strap; bandanna or hat; bottled water; and personal necessities. Price includes round-trip transportation, rafting trip, equipment rental, and guide gratuity.

#### Student Informal Mixer: Cowboy Lounge Saturday, July 10 5:30 pm – 8:00 pm

Tickets: \$18

Meet in the lobby of the Comfort Inn at 5:30 and we'll walk as a group down 16th Street Mall to Cowboy Lounge at 1941 Market St. (near Coors Field). Cowboy Lounge is the only country and western bar in downtown Denver offering country and rock music. The atmosphere captures the true Wild West with its western cowboy flair, spacious dance floor, dance lessons, and movie screens. Ticket price includes Backyard Barbecue dinner.

#### Open Meeting: Becoming an ADSA Volunteer Leader Sunday, July 11

11:30 am – 12:30 pm

Grand Hyatt, Maroon Peak

Why become an ADSA Volunteer Leader? Come to this meeting to find out! Whether you want to get started as a volunteer or are already serving on an ADSA committee, this meeting will help you understand the benefits of leadership, what ADSA is doing, where ADSA is headed, and how you can help us get there.

#### SAD Midday Mixer and Pizza Party Sunday, July 11

12:00 - 1:00 pm

Convention Center, 704/706

Tickets: \$5

Join your fellow dairy club members for a fun hour of getting reacquainted and making new friends. Lunch includes pizza, salad, and beverages. Registration is limited to undergraduate and graduate students and advisors.

#### JDIP Meeting Sunday, July 11 1:00 pm – 6:00 pm

#### **Grand Hyatt Denver, Mt. Sopris**

Join with Johne's Disease Integrated Program (JDIP) members and others with an interest in Johne's disease to learn more about JDIP, get updates on current work in each of JDIP's Core and Project areas and provide input on future plans. In addition to Sunday's meeting, approximately 40 Johne's related abstracts will be presented in poster and oral presentation sections on Monday that are part of the JAM Animal Health – Johne's/JDIP program. All JAM registrants are welcome to attend any of the sessions.

#### SAD-Dairy Quiz Bowl Final Round Sunday, July 11 5:30 – 6:00 pm

**Convention Center, 705** 

On Sunday, university teams from across the US will compete in the ADSA Dairy Quiz Bowl. The event gives schools an opportunity to demonstrate their knowledge about dairy production, processing, and ADSA history. The Student Affiliate Division (SAD) invites you to join them for the excitement of the final round of competition as the top two schools go head-to-head for the title of 2010 Dairy Quiz Bowl Winning Team.

Opening Session Sunday, July 11 7:00 – 8:00 pm

#### **Convention Center, Wells Fargo Theater**

Come help us kick off the 2010 Joint Annual Meeting at the opening session. We will be paying tribute to a Colorado legend, John Denver, by featuring John Adams in "The Absolute Best John Denver Tribute Concert."

Opening Reception Sunday, July 11 8:00 – 10:00 pm

#### Convention Center, Korbel Ballroom

Wind down the evening by joining us after the opening session for desserts, beverages, and some long-awaited socializing time with colleagues and friends.

#### ASAS Graduate Student Open Forum Monday, July 12 12:30 – 1:30 pm Convention Center, Korbel Ballroom 2c

The ASAS Graduate Student Directors invite all ASAS graduate student members to an open forum on Monday, July 12. This forum has been established for three purposes: 1) to allow for representatives from graduate student organization to interact and exchange ideas to bring back to their respective universities; 2) to provide an opportunity for graduate students to voice their opinions and concerns on what the society can do to improve services to graduate students; and 3) to inform students about the activities and services ASAS has to offer graduate students and early career professionals. All graduate students are welcome.

Exhibitor Reception Monday, July 12 4:00 – 6:00 pm

#### Convention Center, Exhibit Hall F

Relax after a high-energy first day of meeting with beverages and snacks in the exhibit hall. While there, take some time to peruse the exhibits to learn more about the latest products and services in our industries.

Address by Dr. Roger Beachy, Director of NIFA Monday, July 12 5:00 – 6:00 pm Convention Center, 403/404

Please take this opportunity to attend a presentation by Dr. Roger Beachy, Director of the National Institute of Food and Agriculture (NIFA). NIFA replaced the former Cooperative State Research, Education and Extension Service (CSREES), and its mission is to advance knowledge for agriculture, the environment, human health and well-being, and communities by supporting research, education, and extension programs in the land-grant university system and other partner organizations. NIFA helps fund research, education, and extension at the state and local levels and provides program leadership in these areas. Dr. Beachy will speak for 30 minutes, followed by a question and answer session.

ASAS Awards Program Monday, July 12 7:00 – 8:30 pm

#### Convention Center, Korbel Ballroom 4abc

All meeting participants, families, and friends are welcome to attend the 2010 ASAS awards program. Please join us at this special event to recognize and congratulate the ASAS award winners at the **Colorado Convention Center** on Monday, July 12.

Graduate Student Mixer Monday, July 12 9:00 pm Blake Street Vault 1526 Blake Street LoDo Denver

The Graduate Student Mixer, a regular JAM event, will be held 9:00 pm on Monday night at the Blake Street Vault (http://www.blakestreetvault.com/), which is located in LoDo Denver. If graduate students register prior to the meeting, they will receive free beverage tickets, but registration is not necessary to attend the event. The mixer is a great opportunity to catch up with old friends and make new ones at an historic Denver tavern. Preregistration is highly recommended.

#### Student Informal Mixer: Lucky Strike Lanes and Lounge Monday, July 12

6:00 pm – 8:00 pm

No ticket required, meet in the lobby of the Comfort Inn to walk as a group.

Bowling, billiards, fun food, and drinks await at Lucky Strikes Lanes and Lounge on the 16th Street Mall. Enjoy the retro feel and experience the cool vibe. Premium, upscale bowling alleys with lane-side food service including a menu of appetizers, burgers, sandwiches, pizza, finger foods, salads, and desserts.

Spouse Event No. 1 Tuesday, July 13 9:00 am – 1:00 pm

Tour departs from the Hyatt Regency

Tickets: \$45

Get out your walking shoes and join in on a creative and entertaining way to see the city. Denver Inside and Out is a walking tour/scavenger hunt/street theater based on the 1922 robbery of the Denver Mint. Participants of the tour unwittingly become accomplices in Denver's most famous crime mystery. This downtown adventure takes in the city's most noted landmarks. Guests use old-fashioned elbow grease and shoe leather to unravel the hidden clues while coming face to face with the bandits of the actual crime as they try and untwist one of Colorado's most notorious crimes. Tour begins at the Hyatt Regency, directly across the street from the Convention Center. Tours will leave every 15 minutes in groups of 10 and then all will meet up at the end where you will be escorted to the shuttle and dropped off for lunch at the wonderful Rialto Café.

Preregistration for this event is required.

SAD Career Roundtable Tuesday, July 13 9:30 – 11:00 am Convention Center, 705

Students will have the opportunity to visit with industry professionals representing various facets of the animal agriculture industry. They will learn about careers in the industry, get useful tips on planning for their careers, and much more. Students are encouraged to dress professionally (business casual or better) and bring several copies of their resumes. Students should also plan time to visit industry representatives in the exhibit hall for information about internships and job opportunities.

SAD Awards Luncheon Tuesday, July 13 11:45 am – 2:00 pm Convention Center, 704/706

Plan to attend this year's SAD awards luncheon. The afternoon will be capped with presentation of student awards and announcement of new SAD officers. Both students and professionals are encouraged to attend. This is a wonderful chance to get to know the next generation of the dairy industry.

Northeast ASAS/ADSA Business Meeting and Awards Lunch Tuesday, July 13 12:30 pm – 2:00 pm Convention Center, 711

Tickets: \$30

Join us for lunch to celebrate the winners of the Northeast ASAS section and ADSA branch awards. Lunch will be followed by the Northeast ASAS/ADSA Business Meeting.

Western Section-ASAS Awards Lunch

Tuesday, July 13

12:30 pm - 2:00 pm

Convention Center, 708/710/712

Tickets: \$30

All Western Section members of ASAS are invited to the WSASAS Awards Luncheon to congratulate our award winners.

#### ASAS GS Lunch and Learn: Preparing for the Transition: Navigating the Job Market in a Difficult Economy

Tuesday, July 13

12:30 - 2:00 pm

**Convention Center, 703** 

Enjoy lunch and an informal discussion with a diverse panel of academic, industry, and government professionals ready to answer your questions. Topics discussed will include the application process, interview skills, and marketing yourself in today's job market. Differences in landing a job in academia, industry, or government will be highlighted. This event is open to ASAS graduate students, and preregistration is necessary to receive lunch.

#### **PSA Student Luncheon**

Tuesday, July 13

12:30 - 2:00 pm

#### Crowne Plaza, Library and Museum

If you are a student and a member of the Poultry Science Association and you want to know more about PSA and its plans for the future, join us for an update from the student membership. This is a great time to meet other students in poultry science and to make new friends.

#### The ASAS Open Forum

Tuesday, July 13

4:30 - 5:00 pm

#### **Convention Center, 405**

Attendees are invited to The ASAS Open Forum in the Convention Center. You will have the opportunity to join discussions on current ASAS issues.

#### **FASS Update**

Tuesday, July 13

5:00 - 6:00 pm

#### **Convention Center, 507**

Plan to attend the FASS Update to hear an update from headquarters and learn about the work being done in Washington, DC. The session will include a presentation by our current science policy directors, Lowell Randel and Walt Smith. Also speaking will be the 2009–2010 FASS Congressional Science Fellow, Avenel Joseph.

#### **ADSA Awards Program**

Tuesday, July 13

7:00 - 8:00 pm

#### **Grand Hyatt, Grand Ballroom**

All meeting participants, families, and friends are welcome to attend the 2010 ADSA awards program. Please join us at this special event at the Grand Hyatt to recognize and congratulate the 2010 award winners.

#### 2010 ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Ice Cream Social

Tuesday, July 13

8:15 - 9:30 pm

#### **Grand Hyatt, Imperial Ballroom**

Ice cream—we're going to eat ice cream! All meeting participants, families, friends, and award donors are invited to join us for the time-honored ice cream social.

### PSA/WPSA-USA-Canada Student Mixer

Tuesday, July 13

9:30 pm

#### Meet in the lobby of the Crowne Plaza

Poultry science students are invited to meet in the lobby of the Crowne Plaza at 9:15 to walk over as a group or pick up a map and head out for a trip back to the Old West. The fun will begin at 9:30 at the Blake Street Vault. Enjoy a classic western saloon dating back to 1863, Old West food and drinks with Jack Daniels whiskey tastings as well as old favorites like Moscow Mules. The mixer is sponsored by the Poultry Science Association and the US and Canadian branches of the World's Poultry Science Association

Spouse Event No. 2 Wednesday, July 14 10:00 am – 1:00 pm

#### **Bus departs from the Convention Center**

Tickets: \$45

You will board the bus at the Colorado Convention Center and then sit back and enjoy the ride on Banjo Billy's Bus Tour! This historic tour of Denver takes place on an old school bus tricked out to look like a traveling hillbilly shack. Hear ghost tales, crime stories, and history while sitting on a couch, recliner, or saddle as the bus rolls through the core of the city. The bus will then drop you off at Marlowe's Restaurant, where you'll enjoy a delicious lunch!

Preregistration for this event is required. Register early—capacity is limited.

Global Networking Reception Wednesday, July 14 4:30 – 5:30 pm

#### Convention Center, Korbel Ballroom 4abc

All meeting participants, families, and friends are welcome to attend the global networking reception on Wednesday evening. Again this year, attendees will have the opportunity to indicate their home affiliation on a world map; check the exhibit hall for the poster board before the reception.

PSA Awards Banquet Wednesday, July 14 6:00 – 10:00 pm

#### **Convention Center, Four Seasons Ballroom 1&2**

Tickets: \$35

Please join us for a celebratory evening honoring the 2010 PSA award winners. All meeting participants, spouses, and friends are welcome at this event. The evening is sure to be a good time for all. Please make sure to purchase your ticket in advance. A limited number of tickets will be available for purchase at the registration desk.

CSAS Awards Banquet Wednesday, July 14 6:00 – 8:30 pm

#### Denver Marriott, Ballroom Suites I-III

Tickets: \$61

Please join us in honoring the 2010 CSAS award winners. All meeting participants, spouses, and friends are invited to attend this celebratory event. Please make sure to purchase your tickets in advance, as a limited number of tickets will be available for purchase at the registration desk.

AMPA Dinner Wednesday, July 14 6:30 – 10:30 pm Convention Center, 708/710/712

Tickets: \$35

What better way to wrap up the week's events than at the AMPA dinner fiesta! All are invited to enjoy good food and friend-ship with AMPA members as the 2010 ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting draws to a close.

## 2010 ADSA Award Donors

ABS Global Inc.

**ADSA** 

**ADSA Foundation** 

Alltech Biotechnology Center

American Feed Industry Association

**Cargill Animal Nutrition** 

Cargill Flavor Systems

Dairy Management Inc.

Danisco USA Inc.

DeLaval Inc.

Elanco Animal Health

Hoard's Dairyman

International Dairy Foods Association

Kraft Foods

Land O'Lakes

Land O'Lakes Purina Feed LLC

Milk Industry Foundation

National Milk Producers Federation

Nutrition Professionals Inc.

Pfizer Animal Health

Pioneer, A DuPont Company

West Agro Inc.

## 2010 ASAS and ASAS Western Section Award Donors

ABS Global Inc.

American Feed Industry Association American Society of Animal Science

American Society of Animal Science Foundation

Center for Regulatory Services, Inc.

DSM Nutritional Products Inc.

Elanco Animal Health

Land O'Lakes, Purina Mills LLC

**Merial Limited** 

Morrison Award Fund

Omega Protein Corporation

Pfizer Animal Health

The lams Company

Zinpro Corporation

## 2010 PSA Award Donors

Alltech Inc.

American Egg Board

American Feed Industry Association American Poultry Historical Society

Aviagen Turkeys

Embrex Inc.

**Evonik Degussa Corporation** 

Hy-Line International Jones-Hamilton Co.

Maple Leaf Farms

Merial Select Inc.

National Chicken Council

**National Turkey Federation** 

Novus International Inc.

Perdue Farms Inc.

Phibro Animal Health

**Poultry Science Association** 

Tyson Foods Inc.

**United Egg Producers** 

## 2010 CSAS Award Donors

Alltech Nutreco

Elanco Animal Health

Dairy Farmers of Canada, Canadian Pork Council,

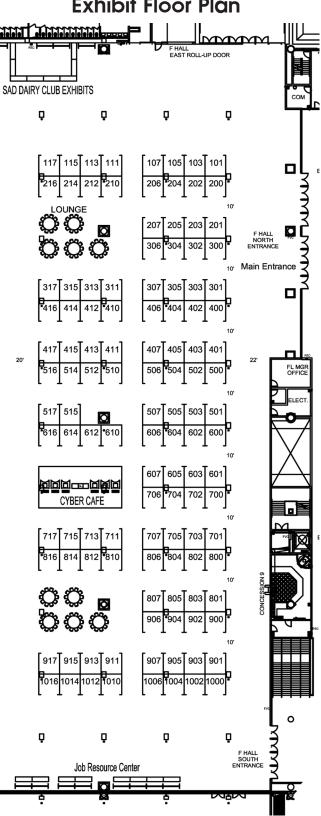
and Chicken Farmers of Canada

Pfizer Animal Health

## **Exhibit Schedule**

Sunday, July 12	Exhibit Setup
Monday, July 13	Exhibits Open
	Exhibitor Reception
Tuesday, July 14	Exhibits Open
Wednesday, July 15	Exhibits Open 8:00 am – 2:00 pm
	Exhibit Dismantle

## **Exhibit Floor Plan**



## Guide to Exhibitors/Booth Numbers

AAALAC	FeedAC
Acadian Agritech	Feedstuffs
Adisseo801,803,900,902	GTC Nutrition
Ag Processing Inc	H.J. Baker & Bro. Inc
Alltech	Ice Robotics Limited
Aloka Ultrasound	International Ingredient Corp
Alternative Design Mfg510	Jefo Nutrition Inc
American Dairy Science Association (ADSA)604	Johne's Disease Integrated Program 204
American Society of Animal Science (ASAS)700	Journal of Animal Science (JAS)
Analab	Kahne Limited
Ankom Technology	Kemin Industries
Arm & Hammer Animal Nutrition	Lallemand Animal Nutrition
ARPAS514	Lotek Wireless Inc
ASAS Foundation	National Animal Health Monitoring System
Asociación Mexicana de Producción Animal	(NAHMS)
(AMPA)	Nottingham University Press
A-Tech Global (an MES Company) 601,603	Novus International
Balchem	Omega Protein Inc
Biomin	Pearson
Buchi Corporation	PetAg Inc
CABI Publishing	Phode International
Cambridge University Press	Poultry Protein & Fat Council
Chr. Hansen	Poultry Science Association (PSA) 805
C-Lock Inc	Prince Agri Products
Cumberland Valley Analytical Services 311	Probiotech International, Inc
Dairy Records Management	Saf Agri/Lesaffre Feed Additives
Dalex Livestock Solutions LLC	Sigma Xi
Diamond V Mills	Soybean Meal Information Center
Distillers Grains Technology Council 313	SoyBest
DSM Nutritional Products	SoyPLUS, SoyChlor (West Central) 610
EAAP	Unity Scientific, Inc
Elsevier	USDA–Animal Welfare Information Center 505
Estrotect	Varied Industries Corporation501, 503, 600, 602
Evonik Degussa Corp	Virtus Nutrition
FDA–Center for Veterinary Medicine 713	Western Yeast Company
Federation of Animal Science Societies (FASS) .405	Wiley-Blackwell
Feed Management Systems	Zinpro

# A special thank you to our 2010 ADSA®-PSA-AMPA-CSAS-WSASAS-ASAS Joint Meeting Exhibitors!

## **Exhibit Directory**

AAALAC 5283 Corporate Dr Ste 203 Frederick, MD 21703-2879 http://www.aaalac.org Booth(s): 406

AAALAC International offers accreditation and education services for agricultural animal research programs. Earning accreditation demonstrates dedication to responsible animal care. It also assures research partners, funding sources, and the public of a commitment to quality research and good science. More than 800 institutions in 32 countries have earned AAALAC accreditation.

Acadian Agritech 30 Brown Avenue Dartmouth, NS B3B1X8, Canada Phone: (902) 468-2840; Fax: (902) 468-3474 http://www.tasco.ca Booth(s): 715

Tasco is a functional food designed to address critical production issues in today's livestock industry. All-natural Tasco helps modulate functions relative to health, productivity, and stress resistance. Tasco is generally regarded as safe (GRAS) in animal feeds.

Adisseo 4400 N Point Pkwy Ste 275 One Point Royal Alpharetta, GA 30022-2429 Phone: (678) 339-1502; Fax: (678) 339-1602 http://www.adisseo.com/

Booth(s): 801, 803, 900, 902

At Adisseo, we are nutritionists, with a long tradition of applying our expertise to nutritional additives. We are dedicated to serving the animal production industry by helping premixers, feed manufacturers and integrators to improve their performance and to become more competitive.

Ag Processing Inc.
PO Box 2047
Omaha, NE 68103-2047
Phone: (402) 492-3309; Fax: (402) 496-6686
http://www.amino-plus.com
Booth(s): 413

AminoPlus is the number one volume bypass protein soybean meal dairy supplement in the United States. The patented AminoPlus process utilizes soybean meal to provide high amino acid quality, rumen bypass and intestinal digestibility without the addition of chemicals or non-soybean components.

Alltech 3031 Catnip Hill Rd Nicholasville, KY 40356-8700

Phone: (859) 887-3245; Fax: (859) 887-3256

http://www.alltech.com Booth(s): 315, 317, 414, 416

For more than 25 years, Alltech has been researching and providing all-natural nutritional solutions that benefit animal health, performance, and productivity. Alltech's cutting-edge brands—Yea-Sacc 1026, Sel-Plex, Bio-Mos, MTB-100, Bioplex, and Sil-All—set a unique example of how all-natural technologies backed by dedicated research can move the industry forward.

Aloka Ultrasound 10 Fairfield Blvd Wallingford, CT 06492-5903 Phone: (203) 269-5088 x228; Fax: (203) 269-6075

http://www.alokavet.com

Booth(s): 607

Aloka, the innovator in ultrasound, offers a full line of veterinary ultrasound systems. The Alpha 10 and Alpha 5 offer superb image quality for the most challenging cases. More cost effective solutions are the SSD-3500 and SSD-4000. Our two portables, the SSD-500 and SSD-900, are reliable and rugged systems.

Alternative Design Mfg. PO Box 6330 Siloam Springs, AR 72761-6330 Phone: (479) 524-4343; Fax: (479) 524-4125 Booth(s): 510

Alternative Design Manufacturing designs and manufactures poultry caging systems for poultry science adn commercial enterprises. Caging units include start grow, brooders, laying hen, artificial insemination, and feed conversion housing systems. Caging is made from either PVC coated wire or stainless steel wire mesh.

American Dairy Science Association (ADSA) 2441 Village Green Place Champaign, IL 61822-7676 Phone: (217) 356-3182; Fax: (217) 398-4119 http://www.adsa.org Booth(s): 604

Established in 1906, ADSA is an international organization of educators, scientists, industry, and government representatives who are committed to advancing the dairy industry. All are keenly aware of the vital role the dairy sciences play in fulfilling the economic, nutritive, and health requirements of the world's population. Together, ADSA members have discovered new methods and technologies that have revolutionized the dairy industry. Please visit www.adsa.org for more information.

American Society of Animal Science (ASAS) 2441 Village Green Place Champaign, IL 61822-7676

Phone: (217) 356-3182; Fax: (217) 398-4119

http://www.asas.org Booth(s): 700

Established in 1908, ASAS is a professional organization for animal scientists designed to help members provide effective leadership through research, extension, teaching, and service for the dynamic and rapidly changing livestock and meat industries. Please visit www.asas.org for more information.

Analab PO Box 208 Fulton, IL 61252-0208

Phone: (815) 589-2525; Fax: (815) 589-4568

http://www.analabtest.com

Booth(s): 404

Analab is a premier state-of-the-art laboratory and research facility operated by an innovative, pioneering team of professional chemists and microbiologists.

Ankom Technology 2052 O'Neil Rd Macedon, NY 14502-8953 Phone: (315) 986-8090; Fax: (315) 986-8091

http://www.ankom.com

Booth(s): 410

Ankom Technology is best known for the development of filter bag technology for automating fiber and fat analysis in foods and feeds. Ankom has products supporting in vitro digestibility, in vitro gas production, and in situ digestibility. Ankom products are in use in over 90 countries around the world.

Arm & Hammer Animal Nutrition 469 N Harrison St Princeton, NJ 08540-3510 Phone: (609) 279-7335; Fax: (609) 497-7176

http://www.AHDairy.com

Booth(s): 207

Arm & Hammer Animal Nutrition is a leading supplier of dairy feed ingredients that work to improve producer profitability. We've developed a wide range of innovative products to address the dairy nutrition challenges today's producers face. Trust Arm & Hammer Animal Nutrition for innovative, proven, and reliable nutritional solutions.

ARPAS 2441 Village Green Place Champaign, IL 61822-7676

Phone: (217) 356-5390; Fax: (217) 398-4119

http://www.arpas.org

Booth(s): 514

ARPAS is the organization that provides certification of animal scientists through examination, continuing education, and commitment to a code of ethics. Continual improvement of individual members is catalyzed through publications (including *The Professional Animal Scientist journal*) and by providing information on educational opportunities.

ASAS Foundation 2441 Village Green Place Champaign, IL 61822

Phone: (217) 356-9050; Fax: (217) 398-4119

Booth(s): 702

The ASAS Foundation was created by the ASAS Board of Directors to identify individual and corporate entities that seek to enhance and perpetuate the activities of the society. The Foundation seeks to create a nucleus of funds and investments from which its Board of Directors and its membership may address critical issues facing the profession. Moreover, we would encourage the funding of ventures into new areas that will assist the society and its members in obtaining excellence in a highly dynamic industry. We visualize a corpus of funds composed of gifts, grants, endowments, and appreciation clubs, each tailored to the needs and wishes of the donor and that are consistent with the mission of the society.

## Asociación Mexicana de Producción Animal (AMPA) Booth(s): 814

AMPA is a scientific, non-governmental, and non-profit organization; its members include researchers, students, and producers.

A-Tech Global (an MES Company) 5757 W Century Blvd, Ste 805 Los Angeles, CA 90045-6409

Phone: (818) 917-1074; Fax: (323) 935-1221

http://www.a-tech-america.com

Booth(s): 601, 603

A-Tech Global presents our line of automated sperm quality analyzers for studs, bovine veterinarians, and dairymen. The systems precisely calculate post thaw progressive motility for high-fertility dosing, sperm concentration, and morphology.

Balchem PO Box 600 52 Sunrise Park New Hampton, NY 10958-0600

Phone: (845) 326-5600; Fax: (845) 326-5742

http://www.balchem.com

Booth(s): 507

Balchem's Animal Nutrition and Health Division brings the benefits of patented proprietary micro-encapsulation and chelated trace mineral technology to the livestock, poultry, and companion animal industries. Encapsulation and chelation technologies offer "protection nutrition" to sensitive compounds. Hence, these compounds become bioavailable when and where they offer the most benefit to the animal. Our products include ReaShure, NiaShure, AminoShure-L, NitroShure, KeyShure, VitaShure, and choline chloride.

**Biomin** 

1846 Lockhill Selma Rd, Ste 101 San Antonio, TX 78213-1551

Phone: (210) 342-9555; Fax: (210) 342-9575

Booth(s): 706

Biomin is a customer-oriented company with the objective to enhance productivity and unlock the performance potential of livestock. Based on intense research, BIOMIN develops and produces feed additives and premixes in accordance with latest know-how and with state-of-the-art production technology. Their top brands are Biofix Plus and Biofix Select.

Buchi Corporation 19 Lukens Dr, Ste 400 New Castle, DE 19720-2787 http://www.mybuchi.com Booth(s): 506

Dedicated to reliability, automation and safety, products include Evaporation systems, Syncore synthesis systems, Spray drying, Spray chilling, Melting point systems, Flash and Preparative Chromatography, Soxhlet extractors, Automated Kjeldahl systems and FT-NIR systems as well as a range of Support Solutions from Method development, Application support and direct Buchi® Service Department.

CABI Publishing 22883 Quicksilver Dr Sterling, VA 20166-2019 Phone: (703) 996-1012 http://www.cabi.org Booth(s): 703

CABI is a not-for-profit international organization that improves people's lives by providing information and applying scientific expertise to solve problems in agriculture and the environment. Our mission and direction is influenced by our member countries who help guide the activities we undertake.

CABI Publishing Nosworthy Way

Wallingford, Oxfordshire OX10 8DE, United Kingdom

Phone: +44 1491829376 http://www.cabi.org Booth(s): 705

CABI is a not-for-profit international organization that improves people's lives by providing information and applying scientific expertise to solve problems in agriculture and the environment. Our mission and direction is influenced by our member countries who help guide the activities we undertake.

Cambridge University Press 32 Avenue of The Americas Bldg 1 New York, NY 10013-2473 http://journals.cambridge.org Booth(s): 701

Cambridge University Press publishes high-quality books and journals, including Animal: The International Journal of Animal Bioscience on behalf of The Animal Consortium, and Animal Health Research Reviews in collaboration with the Conference of Research Workers in Animal Diseases. Please stop by our booth to peruse these and other publications.

Chr. Hansen 9015 W Maple St Milwaukee, WI 53214-4213

Phone: (414) 607-5739; Fax: (414) 607-5704

http://www.chr-hansen.com

Booth(s): 301, 303

Chr. Hansen Animal Health & Nutrition has been ranked as the most trusted direct-fed microbial source by dairy nutritionists. As the "world's microbial experts," Chr. Hansen has been the leading supplier of lactic acid bacteria and other ingredients since 1874. A history rich in science, research, and product quality has produced products such as Probios, Biomate, Biomax, and BioPlus.

C-Lock Inc. 2525 West Main St. Rapid City, SD 57702 Phone: (605) 791-5657 http://c-lockinc.com Booth(s): 812

GreenFeed is a low-cost (patent pending) system to measure CH4 and CO2 emissions from ruminants remotely in a nonintrusive way. CH4 and CO2 data collected several times daily provides valuable feedback on the performance of individual animals and can aid in maintaining animal health and in maximizing feed efficiency.

**Cumberland Valley Analytical Services** 14515 Industry Dr Hagerstown, MD 21742-2410

Phone: (301) 790-1980; Fax: (301) 790-1981

http://www.foragelab.com

Booth(s): 311

Cumberland Valley Analytical Services is a full-service forage and feed testing laboratory specializing in chemistry analysis.

**Dairy Records Management** 313 Chapanoke Rd, Ste 100 Raleigh, NC 27603-3434

Phone: (919) 661-3100; Fax: (919) 661-3145

http://www.drms.org

Booth(s): 210

Dairy Records Management Systems provides innovative dairy information products and services for producers, DHIA staff, consultants and other dairy industry professionals. Comprehensive processed reports include Transition Cow Management, Survival Analysis and Persistency Analysis. Leading-edge software and web tools include PCDART, PocketDairy, Herd Detective, DairyMetrics, WebReports, and Reports On-Demand.

**Dalex Livestock Solutions LLC** 240 Industrial Blvd Waconia, MN 55387-1734

Phone: (952) 442 4251 Ext. 158; Fax: (952) 831-4251

http://www.dalex.com

Booth(s): 212

Dalex Livestock Solutions LLC is the leading provider of ration formulation software and related livestock solutions. Current programs include The Consulting Nutritionist, Dairy Record Manager, Feed Tag and Beef Profit Projection. Dalex has provided a complete solution to formulate, analyze and monitor livestock feeding situations since 1980.

**Diamond V Mills** 838 1st St NW Cedar Rapids, IA 52405-2713

Phone: (563) 880-4343; Fax: (319) 366-6333

http://www.diamondv.com Booth(s): 515, 517, 614, 616

Diamond V, headquartered in Cedar Rapids, Iowa, provides nutritional fermentation products that optimize digestive function and nutrition key to animal and agua health, productivity, efficiency and profitability. Our commitment to innovation, technology, and quality has earned Diamond V a global reputation of trust and reliability within the animal feed industry. We help our customers succeed by sharing knowledge, innovation and capability. The benefit is real because the Diamond V investment and commitment is real.

Diamond V's innovative brands—Original family (Original XPC, XP and YC), DiaMune Se, SelenoSource and DV Agua—are research proven and engineered to deliver results.

**Distillers Grains Technology Council** 435 Lutz Hall **University of Louisville** Louisville, KY 40292-0001 Phone: (502) 852-1575; Fax: (502) 852-1577 http://www.distillersgrains.org

Booth(s): 313

Distillers Grains Technology Council (DGTC) is a nonprofit association of fuel and beverage ethanol and distillers grains producers that was established in 1945. At the DGTC exhibit booth we will have information on feeding wet and dry distillers grains to dairy and beef cattle, calves, sheep, goats, poultry, and horses and combining it with other feed ingredients to reduce corn usage and costs. Stop by and let's talk about the rapidly growing availability of distillers grain and its feed value.

**DSM Nutritional Products** 45 Waterview Blvd Parsippany, NJ 07054-7611 Fax: 973-257-8653 http://unlimitednutrition-na.dsm.com Booth(s): 807

DSM Nutritional Products is the leading supplier of vitamins, carotenoids, enzymes, and direct-fed microbials to the animal feed industry. With its extensive network of premix plants, DSM Nutritional Products is optimally poised to deliver these essential micronutrients as straight ingredients or through ROVIMIX premix.

#### **EAAP**

Via G. Tomassetti 3 A/1 I-00161 Rome, Italy Phone: +39 06 44202639; Fax: +39 06 44266798 http://www.eaap.org; http://www.waap.it

EAAP is a federation of national member organizations and has now, together with ASAS, established individual membership so that scientists not resident in EAAP countries can participate and sustain EAAP and ASAS activities jointly. Any scientist having interest in animal science or animal industry and wishing to participate in EAAP and ASAS activities can jointly apply for individual membership to both organizations at a lower price (and receive electronic access to Animal and the Journal of Animal Science).

www.eaap.org or www.eaap.org/Content/Individual\_ Member\_Information.html

Elsevier 1600 John F Kennedy Blvd, Ste 1800 Philadelphia, PA 19103-2398

Phone: (215) 239-3491; Fax: (215) 239-3494

http://www.elsevier.com

Booth(s): 400

Elsevier is a world-leading multiple media publisher of Science, Technology and Health information products and services. We are proud to publish the *Journal of Dairy Science*® (JDS), official journal of the American Dairy Science Association®. Please visit the Elsevier stand in the exhibition hall with any questions you might have about claiming member access on the new JDS website (www.journalofdairyscience.org) and to browse our other journal titles in animal science.

Estrotect PO Box 39

Spring Valley, WI 54767-0039

Phone: (952) 892-0291; Fax: (715) 778-5817

http://www.estrotect.com

Booth(s): 216

Estrotect Heat Detectors are a unique breeding managment tool for artificial insemination, embryo transfer recipient managment and natural breeding programs. The simple scratch-off surface show evidence of multiple mountings which give reliable indications of estrus and increase breeding sucess in many programs. Estrotect detectors have been used sucessfully in all the major agricultural countries, in all kinds of envoironments around the world with great sucess. Estrotect continues to provide "mounting evidence" for breeding success.

Evonik Degussa Corp 1701 Barrett Lakes Blvd NW Ste 340 Kennesaw, GA 30144-4509 Phone: (678) 797-4311; Fax: (678) 797-4313 http://www.aminoacidsandmore.com

Booth(s): 305, 307

Degussa is the only company in the world to supply from a single source all four of the important amino acids for animal nutrition: DL-methionine, Biolys® (L-lysine), L-threonine, and L-tryptophan. Mepron®, a rumen-protected DL-methionine, rounds off the company's product range as part of its "one source" strategy.

FDA-Center for Veterinary Medicine 7519 Standish Pl Rockville, MD 20855-2792 Phone: (301) 827-3800; Fax: (301) 827-4065 http://www.fda.gov/animalveterinary/default.htm Booth(s): 713

The Center for Veterinary Medicine (CVM) regulates the manufacture and distribution of food additives and drugs that will be given to animals from which human foods are derived, as well as food additives and drugs for pet (or companion) animals. CVM is responsible for regulating drugs, devices, and food additives given to, or used on, over one hundred million companion animals, plus millions of poultry, cattle, swine, and minor animal species. (Minor animal species include animals other than cattle, swine, chickens, turkeys, horses, dogs, and cats.)

Federation of Animal Science Societies 2441 Village Green Place Champaign, IL 61822-7676

Phone: (217) 356-3182; Fax: (217) 398-4119

http://www.fass.org Booth(s): 405

The Federation of Animal Science Societies (FASS) was formed in 1998 by three founding member societies: the American Dairy Science Association® (ADSA®), the American Society of Animal Science (ASAS), and the Poultry Science Association (PSA). FASS is unique in that we support common agricultural interests and, at the same time, streamline administrative expenses while preserving the societies' traditions and values. We specialize in providing a wide array of management services to small- and medium-sized, not-for-profit associations. In addition, each year, PhD scientists in animal science compete for the opportunity to represent FASS in Congress through the Congressional Science Fellowship (CSF) Program. Many of these individuals stay on the Washington scene after their fellowship year and continue to serve animal agriculture in significant ways. Be sure to stop by the FASS booth to hear about DC activities from the 2009-2010 CSF.

Feed Management Systems 6120 Earle Brown Dr Ste 300 Brooklyn Center, MN 55430-4101 Phone: (763) 560-8139

http://www.feedsys.com

Booth(s): 411

Feed Management Systems provides integrated software solutions for feed manufacturers to manage their critical formula and production data. Ensure the quality of your feed supply by automating and optimizing formulas, pricing, ordering, inventory, labeling, delivery, traceability, reporting and financials. Solutions: Feed Mill Manager, Brill Formulation, Feed Ration Balancer, Feed Tags.

FeedAC

2441 Village Green Place Champaign, IL 61822-7676

Phone: (217) 398-4697; Fax: (217) 398-4119

http://www.feedac.org

Booth(s): 802

The Feed Analysis Consortium Inc. (FeedAC) is a membership-based nonprofit organization dedicated to the advancement of feed analysis and nutritional modeling. The mission of FeedAC is to serve the animal feed industry by developing improved methods of feed analysis, providing leadership for methods standardization, and building and maintaining a comprehensive and evolving database of feed analysis information for all farm animals. Upon request from its membership, the organization has also committed to providing leadership to standardizing electronic data exchange. The organization also continues to develop collaborations with other organizations to achieve its goals. Be sure to attend this year's annual meeting and stop by the exhibitor booth to get an update on FeedAC activities and to find out how you can get involved!

**Feedstuffs** 12400 Whitewater Dr, Ste 160 Minnetonka, MN 55343-4158

Phone: (985) 930-4349; Fax: (952) 938-1832

Booth(s): 304

Feedstuffs is the only weekly paid news source for agribusiness. Every week, we keep our subscribers informed on the important issues affecting the business of producing food for the world.

**GTC Nutrition** 600 Corporate Cir, Ste H Golden, CO 80401-5604

Phone: (303) 951-6520; Fax: (303) 951-6520

http://fortifeed.com Booth(s): 202

GTC Nutrition, a business unit of Corn Products International Inc., is a recognized leader in providing innovative ingredients along with scientific, technical and marketing expertise to the animal feed, food process, and dietary supplement industries. GTC Nutrition's flagship animal feed ingredient, FortiFeed prebiotic fiber, selectively stimulates the growth of beneficial microflora in the intestines of animals to improve overall wellbeing and performance. GTC Nutrition promotes animal and human health globally with innovative functional food ingredients and unsurpassed customer support. For more information, visit www.fortifeed.com.

H.J. Baker & Bro. Inc. 228 Saugatuck Ave, Ste 1 Westport, CT 06880-6444

Phone: (203) 682-9200; Fax: (203) 227-8351

http://www.bakerbro.com

Booth(s): 516

Pro-Lak Dairy By-Pass Protein is designed to complement the protein from rumen microbial activity and formulated for today's high producing dairy cows. Desired nutrient balance is accomplished by 72% of protein bypassing rumen degradation and delivering the essential amino acid profile to support maximum milk production. For university research and more information see www.bakerbro.com.

Ice Robotics Limited Logan Bldg Roslin Biocentre Roslin, Scotland, United Kingdom Phone: +44 131 527 4380; Fax: +44 131 527 4381 http://www.icerobotics.com

Booth(s): 915, 917

IceRobotics is developer and sole supplier of the IceTag livestock activity monitoring system, which has been specifically designed to facilitate both small and large research projects in dairy cattle health and welfare. This system has now been extended to include automated farm download and remote data access through the Cattle Grid.com, a new online data management tool.

International Ingredient Corp. 150 Larkin Williams Ind Ct Fenton, MO 63026-2409

Phone: (636) 343-4111, x1252; Fax: (636) 349-4845

http://www.iicag.com

Booth(s): 401

International Ingredient Corporation is a manufacturer of specialty ingredients for swine, pets, dairy cattle, aquaculture and poultry. IIC has nine plant locations producing quality ingredients, including Dairylac 80, Nutri-Gold Dried Milk, Brewtech Brewers Yeast, Dried Cheese Products, Dried Bacon Fat, Nutri-Sure, Milk Chocolate Product, Sugar Food Products, and GroBiotic prebiotics.

Jefo Nutrition Inc. 5020 Jefo Avenue - C.P. 325 St-Hyacinthe, Québec, J2S 7B6, Canada Phone: (450) 799-2000; Fax: (450) 778-1338 Booth(s): 205

Jefo Nutrition is a world leader in performance feed additives. Species-specific by design, Jefo performance additives are respectful of nature and increase livestock production economic performance. Since the company was founded, all efforts have been focused to understand and contribute to improving the science, economics, and techniques of agriculture, with the greatest respect for the environment and sustainable development. Our products are top quality and represent an additional advantage in a nutritional program without growth factor antibiotics. Our facilities, processes, and know-how ensure effective and robust products that can withstand the strictest standards and harshest conditions of feed manufacturing. Our products are designed to improve livestock production techniques and increase animal performance, with evidence to prove it.

Johne's Disease Integrated Program (JDIP) The Pennsylvania State University **Department of Veterinary and Biomedical Sciences** 205 Wartik Laboratory **University Park, PA 16802** Phone: 814-867-0261 Fax: 814-863-6699

http://www.jdip.org/

Booth(s): 204

The Johne's Disease Integrated Program (JDIP) is a consortium of scientists, whose mission is to promote animal bio-security through the development and support of projects designed to enhance knowledge, promote education, and develop real-world solutions to mitigate losses associated with Johne's disease. JDIP is funded by a grant from the USDA-NIFA.

Journal of Animal Science (JAS) 2441 Village Green Place Champaign, IL 61822-7676

Phone: (217) 356-3185; Fax: (217) 398-4119

http://jas.fass.org/ Booth(s): 704

The Journal of Animal Science (JAS) is the premier journal for animal science and serves as the leading source of new knowledge and perspective in this area. JAS publishes more than 400 peer-reviewed research articles, invited reviews, technical notes, and letters to the editor each year. According to Thomson-Reuters' Journal Citation Reports, JAS consistently ranks as one of the top journals (among 43 titles) in the category of Agriculture, Dairy, and Animal Sciences in terms of impact factor, immediacy index, and cited half-life and is in the top 1% of STM publishing (50,000+ titles) by total ISI citations.

Kahne Limited 109 Valley Road Mt. Eden New Zealand

Phone: (649) 623-4757; Fax: (649) 623-3012 http://www.kahneanimalhealth.com

Booth(s): 711

Kahne Ltd. sells wireless rumen sensors and receivers essential for researchers involved in rumen nutrition, animal welfare, and behaviour. Using less invasive practises, Kahne wireless sensors deliver comprehensive and accurate rumen biometric measurements from unrestrained animals

Kemin Industries 600 E Court Ave Des Moines, IA 50309 Phone: (515) 559-5450 http://www.kemin.com Booth(s): 911, 912

The agrifood businesses of Kemin focus on Total Nutrition to help customers achieve a highly effective, consistent system of profitable animal production. The essential combination of Kemin products with good nutrition and solid animal husbandry ensures that customers around the globe maintain profitability while enhancing the health and well-being of animals.

Lallemand Animal Nutrition 6120 W Douglas Ave Milwaukee, WI 53218-1548 Phone: (414) 393-4030; Fax: (414) 464-6430 http://www.lallemandanimalnutrition.com/ Booth(s): 403

Lallemand Animal Nutrition offers a range of solutions for the dairy industry including Levucell SC and Levucell SB active dry yeast, Biotal forage inoculants, Alkosel organic selenium yeast, Agrimos, and other mineral-enriched yeast supplements.

Lotek Wireless Inc. 115 Pony Dr Newmarket, ON L3Y 7B5, Canada

Phone: (905) 836-6680; Fax: (905) 836-6455

http://www.lotek.com

Booth(s): 214

Lotek is a world leader in the design and manufacturing of innovative wildlife monitoring systems including radio, satellite, GSM and GPS systems.

National Animal Health Monitoring System (NAHMS) 2150 Centre Ave Bldg B-2E7 USDA:APHIS:VS:CEAH Fort Collins, CO 80526-8116

Phone: (970) 494-7245; Fax: (970) 494-7228

http://nahms.aphis.usda.gov

Booth(s): 804

National studies conducted by the National Animal Health Monitoring System (NAHMS) provide essential information on livestock and poultry health and management in the US. Production types are studied at regular intervals, providing up-to-date information needed to monitor US animal health, inform trade decisions, assess research needs, inform the public, and set policy.

Nottingham University Press
Manor Farm, Church Lane, Thrumpton
Nottingham NG110AX, United Kingdom
Phone: +44 (0) 1159 831011; Fax: +44 (0) 1159 831003
http://www.nup.com
Booth(s): 412

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Novus International 20 Research Park Dr Saint Charles, MO 63304-5633

Phone: (314) 453-7711; Fax: (314) 576-4635

http://www.novusint.com

Booth(s): 300, 302

Novus International Inc. is headquartered in St. Louis, Missouri, and serves customers in more than 90 countries around the world. An industry leader in animal nutrition and health, Novus products include Alimet and MHA feed supplements, Activate nutritional feed acid, Acidomix preservative premixture, Advent coccidiosis control, Mintrex organic trace minerals, Santoquin feed preservative, and many other specialty ingredients. Novus is privately owned by Mitsui and Co. Ltd. and Nippon Soda Co. Ltd. For more information, visit our website at www.novusint. com.

Omega Protein Inc. 2101 Citywest Blvd Ste 500 Bldg. 3, Suite 500 Houston, TX 77042-2832 http://www.omeganutrient.com

Booth(s):500

Omega Protein is the world's largest producer of omega-3 fish oil and North America's largest producer of fish meal and fish solubles. These ingredients are used in poultry, swine, pet, equine, aquaculture, and other livestock feeds. Omega Protein is vertically integrated and certified sustainable. Available in bulk, bag, or drums.

Pearson
1 Lake St
Saddle River, NJ 07458-1813
Phone: (201) 236-5894; Fax: (201) 236-5888

http://www.pearson.com

Booth(s): 612

Pearson is one of the world's great publishers, publishing more books than any other company and reaching millions of people every day in print and online. Our higher education publishing brands have earned the trust of educators and students because of their commitment to accuracy, integrity, and independence of thought.

PetAg Inc. 255 Keyes Ave

Hampshire, IL 60140-9449

Phone: (847) 683-2288; Fax: (847) 683-2343

http://www.petag.com

Booth(s): 306

Bospro is an aspergillus mycelium product for ruminants that has demonstrated remarkable effects on increasing rumen function. Fermacto is an aspergillus mycelium product for monogastrics that has demonstrated increased maturity levels of the gastrointestinal tract of immature poultry. Please stop by our booth for data and samples.

Phode International Zi Albipole 81150 Terssac, France Phone: (717) 203-4814 http://www.phode.com Booth(s): 806

DOOLH(S): 800

Based on its three key areas of expertise—animal health, olfaction and nutrition—the company has developed natural solutions to meet the needs of today's farming. Optimizing the potential of farm animals while preserving their health and well-being is the company's goal, in line with today's increasing environmental and regulatory pressure. Six unique and natural sensory solutions are available, documented for their ability to optimize feed value: VéO, Cristalfeed, Oleobiotec, Optifeed, Glytran, and Phodesweet.

Poultry Protein and Fat Council 1530 Cooledge Rd Tucker, GA 30084-7303

Phone: (770) 493-9401; Fax: (770) 493-9257

http://www.poultryegg.org/ppfc/

Booth(s): 206

The Poultry Protein and Fat Council solicits and sponsors research that would develop new and increased utilization of poultry byproduct meal, feather meal, blood meal, and poultry fat by demonstrating their efficacy in poultry, aquaculture, livestock, and companion animal rations.

Poultry Science Association (PSA) 2441 Village Green Place Champaign, IL 61822-7676

Phone: (217) 356-5285; Fax: (217) 398-4119

http://www.poultryscience.org

Booth(s): 805

The Poultry Science Association (PSA) is a global society consisting of approximately 2,400 educators, scientists, extension specialists, administrators, and producers committed to advancing the poultry industry. The association is dedicated to discovery and dissemination of knowledge generated by poultry research that enhances human and animal health and well-being and provides for the ethical and sustainable production of food. Since 1908, the PSA has maintained a level of prestige that ranks it among the top professional organizations in the field. Please visit www.poultryscience.org for more information.

Prince Agri Products
PO Box 1009
Quincy, IL 62306-1009
Phone: (217) 592-1356
http://www.princeagri.com

Booth(s): 606

Prince Agri Products is a global provider of proven, science-based, value-added products for the animal feed industry. Our team of professionals help customers successfully meet their goals through product solutions and problem solving, unequaled quality and credibility, and with superior customer service. Put the Prince team to work for you by calling 217-222-8854; Advancing Nutrition for Healthy Animals.

Probiotech International, Inc 6225 Choquette Street St. Hyacinthe, QC J25 8L2, Canada

Phone: (450) 771-7252; Fax: (450) 771-4509

http://www.probiotech.com

Booth(s): 707

Probiotech International Inc. develops and provides the animal nutrition industry with natural solutions. The line of products was designed using the principles of biotechnology to promote animal health and to maximize agriculture production with respect for our environment in mind. Products range from patented rumen-protected choline for dairy cows to organic acidifiers and plant extracts for swine and poultry.

Saf Agri/Lesaffre Feed Additives 7475 W Main St Milwaukee, WI 53214-1552

Phone: (414) 615-4138; Fax: (414) 615-4003

http://www.lfa-america.com

Booth(s): 402

Lesaffre Feed Additives provides innovative products produced by the Lesaffre Group, the world's oldest and largest yeast manufacturer, to livestock feed producers and pet food manufacturers throughout the Americas. The product line includes active dry yeast for pelleted and non-pelleted feeds, inactive dry yeast, mineral yeast, enzymes, and mannan oligosaccharides.

Sigma Xi 3106 E. NC Highway 54 Research Triangle Park, NC 27709 Phone: (919) 549-4691; Fax: (919) 549-0090

http://www.sigmaxi.org

Booth(s): 203

Sigma Xi is an international, multidisciplinary research society that promotes the health of the scientific enterprise and honors scientific achievement. The Society endeavors to encourage support of original work across the spectrum of science and technology and to promote an appreciation within society at large for the role research has played in human progress. Sigma Xi publishes American Scientist magazine, awards grants annually to promising student researchers, and sponsors programs that serve science and society. Programmatic interests include research ethics, science and engineering education, public understanding of science, international research networking, and the overall health of the research enterprise.

Soybean Meal Information Center 1255 SW Prairie Trail Pkwy Iowa Soybean Association Ankeny, IA 50023-7068 Phone: (515) 251-8640; Fax: (515) 251-8657 http://www.soymeal.org/ Booth(s): 415

The Soybean Meal INFOcenter website is designed to be a "center" or primary source of key information regarding soybean meal as an important supplement protein for livestock, poultry and specialty markets. The website provides information to feed manufacturers, professional nutritionists, feed formulators, livestock and poultry producers and the general public.

SoyBest PO Box 157 West Point, NE 68788-0157 Phone: (402) 372-2429; Fax: (402) 372-3305

http://www.soybest.com

Booth(s): 717, 816

SoyBest High Bypass Soybean Meal is bypass protein for dairy cows. Manufactured by the mechanical process, it contains no chemical solvents and is all natural. SoyBest includes fresh soy gums with lecithin and phosphatidyl choline. Research shows that these nutrients behave like rumen-protected fat, resulting in even more bypass protein with excellent intestinal digestibility.

SoyPLUS, SoyChlor (West Central) PO Box 68 Ralston, IA 51459-0068

Phone: (712) 667-3200; Fax: (712) 667-3399

http://www.soyplus.com

Booth(s): 610

SoyPLUS is the industry leader, consistently delivering dairy bypass protein, unbeatable protein quality and intestinal digestibility. SoyPLUS contains research proven higher energy and rumen inert fat. SoyChlor has proven itself in effectively balancing DCAD in herd health. SoyChlor's key ingredient is hydrochloric acid, the most palatable source of chloride available.

Unity Scientific Inc. 32 Cornerstone Dr North Easton, MA 02356-2740

(T.10) 200 2001 T

Phone: (540) 338-8991; Fax: (540) 338-8992

http://www.unityscientific.com

Booth(s): 407

Unity Scientific is a global leader in the design and manufacturing of near infrared instrumentation for a variety of industries and applications. Unity has introduced the new SpectraStar RTW series that offers a top window presentation of samples in either a rotating platter or static mode of analysis. The system also has extreme sample flexibility by using existing sample cups from other brand units, petri dishes, beakers or even plastic bags. The SpectraStar RTW is ideal for the analysis of feeds and forages—Unity can easily transfer existing databases in just a matter of minutes.

USDA-Animal Welfare Information Center 10301 Baltimore Ave Rm 410 Beltsville, MD 20705-2326 http://www.nal.usda.gov Booth(s): 505

The USDA is mandated by the Animal Welfare Act to provide information for the improved care and use of animals used in research, testing, teaching, and exhibition. Staff at the Animal Welfare Information Center provide a variety of topical publications, literature searches, and training opportunities.

Varied Industries Corporation 905 S Carolina Ave P.O. Box 1483 Mason City, IA 50401-5813

Phone: (641) 423-1460; Fax: (641) 423-0832

http://www.vi-cor.com Booth(s): 501, 503, 600, 602

Varied Industries Corporation (Vi-COR), located in Mason City, lowa, was purchased in 1999 by Mark Holt, president, who changed the company into a world-class manufacturer of fermentation feed. An innovative company with many new discoveries in applied microbiology and fermentation chemistry put Vi-COR first in the market to develop a concentrated and liquid yeast culture and first to identify and guarantee metabolites associated with the benefits of yeast culture. This specialized process developing Celmanax can be seen in the health of your animals, production improvements, and return on investment and profitability. Vi-COR currently is doing business globally in over 40 countries.

Virtus Nutrtion 520 Industrial Ave Corcoran, CA 93212-9629 Phone: (559) 734-3530 http://www.virtusnutrition.com Booth(s): 417

Leading a new era in strategic nutrition with calcium salts of omega fatty acids.

Western Yeast Company 305 W Ash St Chillicothe, IL 61523-1603 http://www.westernyeast.com Booth(s): 512

Western Yeast Company was founded in 1932 and uses the Newhaven process for making yeast culture. This process makes live yeast cultures the old-fashioned way with no added carriers after double fermentation. Western Yeast Culture is an active, all-natural feed supplement designed specifically to improve animal nutrition.

2121 State Ave Ames, IA 50014-8365 Phone: (515) 292-0140; Fax: (515) 292-3348 http://www.wiley.com/go/veterinary Booth(s): 201

Wiley-Blackwell has an internationally renowned program of books and journals, positioning us as one of the foremost publishers in veterinary medicine. Our veterinary publishing program represents the very best in academic research, clinical expertise, and student learning. A conference discount is offered to all attendees at our booth.

Zinpro 10400 Vicking Drive Suite 240 Eden Prairie, MN 55344 http://www.zinpro.com Booth(s): 101, 200

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Zinpro Performance Minerals are uniquely designed and manufactured to be the highest bioavailable trace mineral products on the market.

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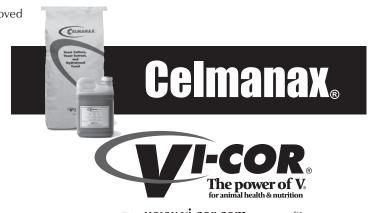
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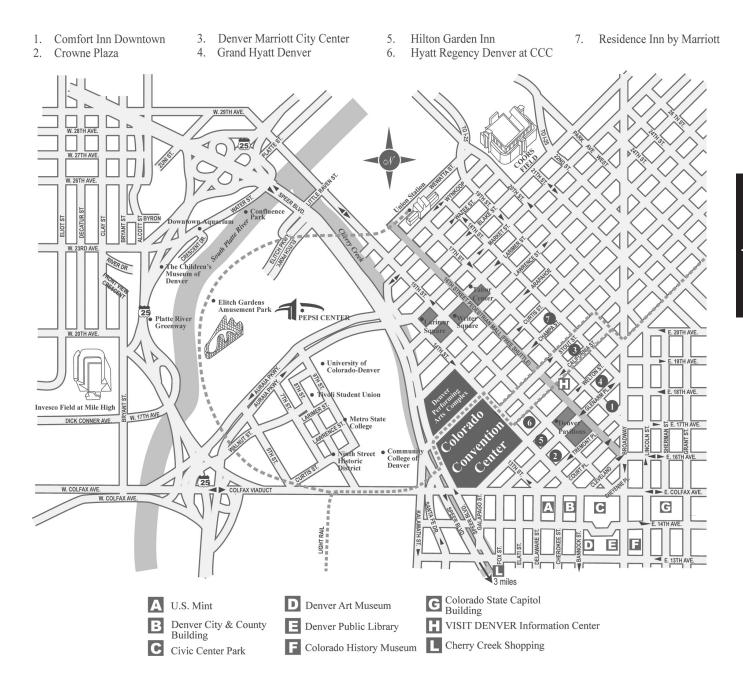
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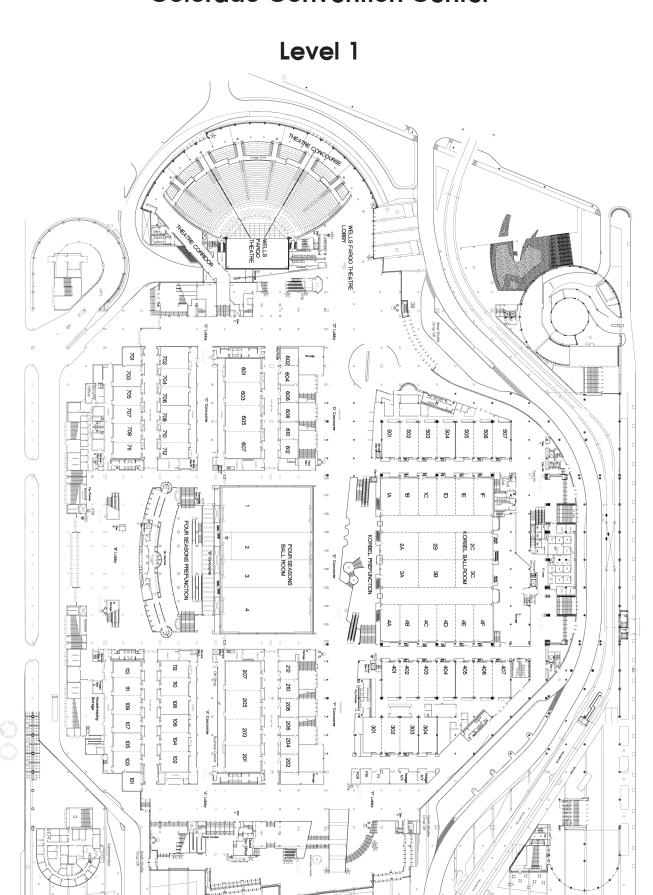


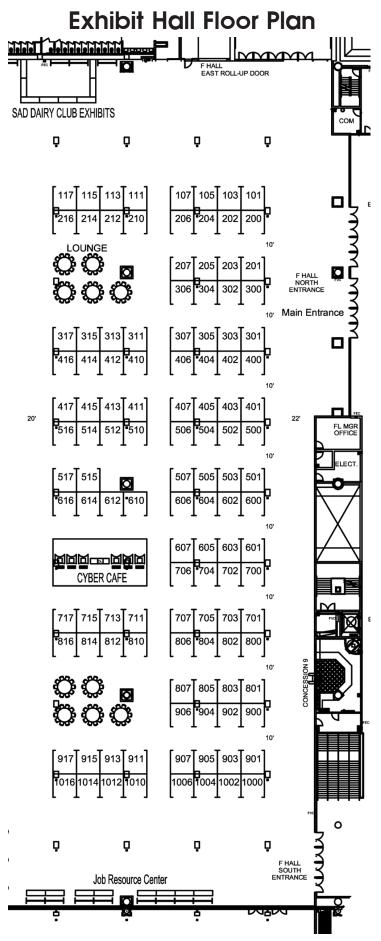
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## **Denver Street Map**



## **Colorado Convention Center**

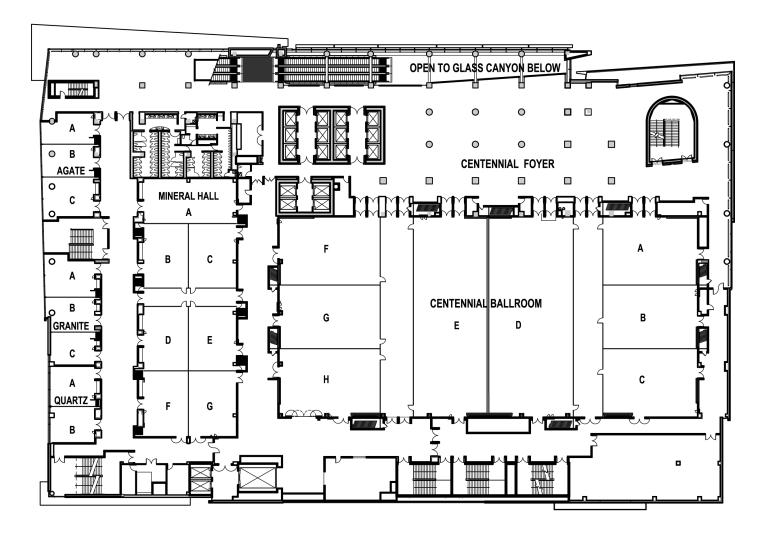




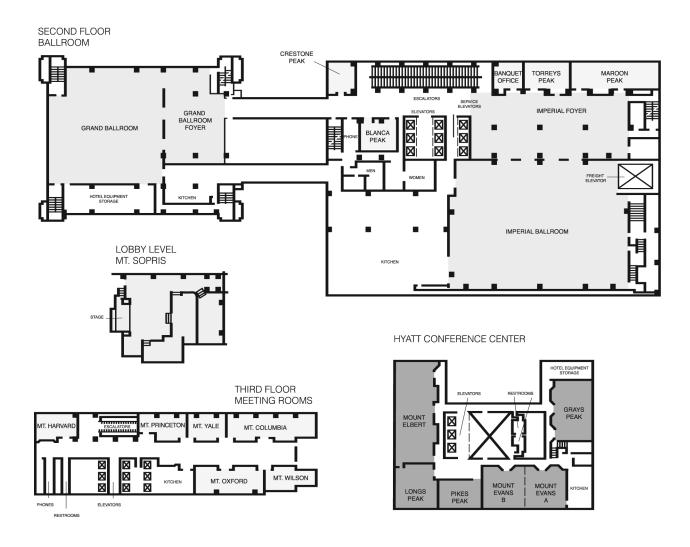
Refer to page 16 for the Guide to Exhibitors

## Hyatt Regency at the Colorado Cenvention Center (ASAS Headquarter Hotel)

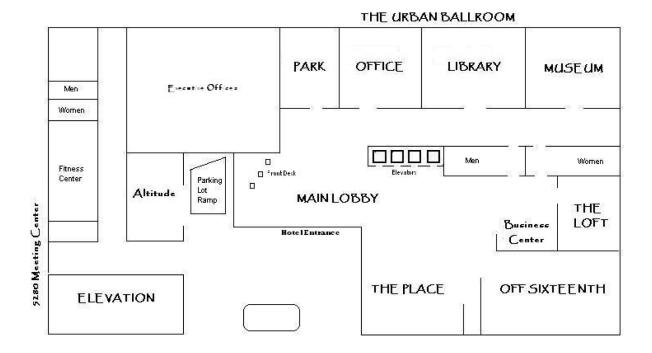
## **Third Level**



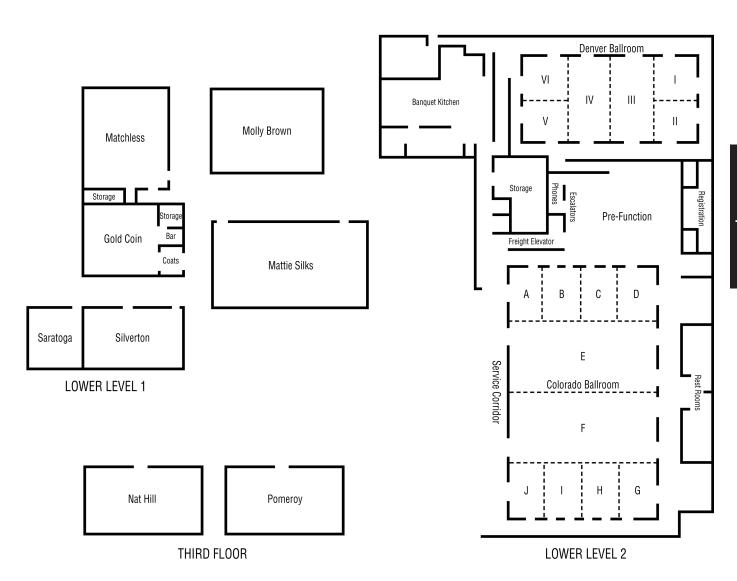
# Grand Hyatt Denver (ADSA Headquarter Hotel)



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# Marriott City Center Denver (CSAS Headquarter Hotel)



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## **Schedule of Events**

Scheduling and locations are subject to change without notice. Please check the onsite newsletter each morning for changes.

## Friday, July 9

Noon – 2:00 pm	PSA Finance Committee Meeting	Crowne Plaza, Park
2:00 pm – 6:00 pm	PSA Board of Directors Meeting	Crowne Plaza, Concierge Lounge

## Saturday, July 10

7:30 am – 5:00 pm 8:00 am – 4:00 pm 12:00 pm – 4:00 pm 1:00 pm – 2:30 pm 3:00 pm – 5:00 pm	ADSA Board of Directors Meeting
3:00 pm – 5:00 pm	Registration Open (preregistered, badge and material pick-up only)
3:30 pm – 9:00 pm	ASAS Board of Directors Meeting
5:30 pm – 8:00 pm 7:30 pm – 9:00 pm	Student Informal Mixer: Cowboy Lounge Meet in the Comfort Inn lobby ARPAS Executive Committee Meeting

#### Sunday, July 11

7:00 am – 7:00 pm	Registration Open
7:00 am – 8:00 am	ASAS Membership Committee Meeting Convention Center, 712
7:30 am – 10:00 am	ADSA New Board Orientation
8:00 am – 12:00 pm	PSA Board of Directors Meeting
8:00 am – 5:00 pm	ARPAS Governing Board Meeting
8:00 am – 5:00 pm	Triennial Growth Symposium
8:30 am – 12:30 pm	ASAS Board of Directors Meeting
9:00 am – 5:00 pm	WSASAS Student Competition
9:30 am – 12:00 pm	National Extension Workshop
10:00 am – 6:00 pm	Exhibit Setup
10:00 am – 6:00 pm	Student Dairy Clubs Exhibit Setup
10:00 am – 11:00 am	ADSA-SAD Officers and Advisor Meeting Convention Center, 705
11:00 am – 12:00 pm	ADSA-SAD Quiz Bowl Officials Meeting Convention Center, 705
11:30 am – 12:00 pm	ADSA-SAD Quiz Bowl Seating Test
11:30 am – 12:30 pm	Open Meeting: Becoming an ADSA Volunteer Leader Grand Hyatt, Maroon Peak
12:00 pm – 1:00 pm	National Extension Workshop Lunch
12:00 pm – 1:00 pm	ADSA-SAD Midday Mixer and Pizza Party Convention Center, 704/706
12:00 pm – 1:00 pm	JDS Editors and Journal Management Committee Luncheon Grand Hyatt, Mt. Oxford
12:00 pm – 5:00 pm	Hospitality Lounge Open
1:00 pm – 3:00 pm	2010 and 2011 Program Committee Meeting
1:00 pm – 5:00 pm	Dalex User Training
	Suites I and II
1:00 pm – 5:00 pm	Informal Nutrition Symposium
	Korbel Ballroom 1abc
1:00 pm – 5:00 pm	ADSA Journal Management Committee Meeting Grand Hyatt, Mt. Oxford
1:00 pm – 5:00 pm	ADSA-SAD Dairy Quiz Bowl Seating/Preliminary Rounds Convention Center, 705 and 707
1:00 pm – 6:00 pm	CSAS Executive Committee Meeting Denver Marriott, Matchless
1:00 pm – 6:00 pm	Johne's Disease Integrated Program (JDIP) Workshop Grand Hyatt, Mt. Sopris
2:00 pm – 3:00 pm	ADSA Production Division Council Meeting Convention Center, 501
2:00 pm – 4:00 pm	ADSA Foundation Board of Trustees Meeting Grand Hyatt, Mt. Princeton
3:00 pm – 4:00 pm	ADSA Production Division Nominating Committee Convention Center, 501

3:00 pm – 5:00 pm	Late-Breaking Original Research Session	. Convention Center, 304
5:00 pm – 6:00 pm	ADSA Dairy Foods Division Council Meeting	. Convention Center, 712
5:30 pm – 6:00 pm	ADSA-SAD Dairy Quiz Bowl Final Round	. Convention Center, 705
7:00 pm – 8:00 pm	2010 Joint Annual Meeting Opening Session	. Convention Center,
		Wells Fargo Theater
8:00 pm – 10:00 pm	2010 Joint Annual Meeting Opening Reception	. Convention Center,
		Korbel Ballroom

## Monday, July 12

6:30 am – 5:15 pm	Registration Open	. Convention Center, 1st Level lobby, outside Exhibit Hall F
6:30 am – 8:00 am	ADSA Production Division Extension Breakfast	. Grand Hyatt, Longs Peak
7:00 am – 8:15 am	ADSA-SAD Exhibit Setup	
7:30 am – 9:30 am	Poster Presentations	
7:30 am – 11:00 am	WSASAS Executive Meeting	· · · · · · · · · · · · · · · · · · ·
8:00 am – 5:00 pm	Commercial Exhibits and ADSA-SAD Exhibits Open	
8:00 am – 5:00 pm	Job Resource Center	
8:00 am – 5:00 pm	Hospitality Lounge Open	
8:30 am – 9:15 am		
	ADSA-SAD Business Meeting	. Convention Center, 705, 707
9:30 am – 10:30 am	ADSA-SAD Judging of Yearbooks, Scrapbooks, Annual Reports	. Convention Center, 704
9:30 am – 10:30 am	ADSA-SAD Interviews for Outstanding Student	
	and Advisor Awards	. Convention Center, 706
9:30 am – 10:45 am	ADSA-SAD Activities Symposium	. Convention Center, 705
9:30 am – 5:00 pm	Scientific Sessions	. Convention Center
10:30 am – 12:30 pm	ARPAS Exam	. Convention Center, 701
11:00 am – 5:00 pm	ADSA-SAD Undergraduate Paper Presentations	
12:30 pm – 1:30 pm	ASAS Graduate Student Open Forum	
	'	Korbel Ballroom 2c
12:30 pm – 2:00 pm	ASAS Past Presidents' Luncheon	
12:30 pm – 2:00 pm	ADSA Past Presidents' Luncheon	
12:30 pm – 2:00 pm	American College of Animal Sciences (ACAS)	· crana riyati, zongo r can
12.50 pm 2.00 pm	Annual Meeting	Convention Center 701
12:30 pm – 2:00 pm	PS and JAPR Editorial Lunch and Meeting	
12:30 pm – 2:00 pm	National Poultry Extension Lunch	
12:30 pm – 2:00 pm	PSA Past Presidents' Luncheon	
2:00 pm – 3:00 pm	Discover Conference Steering Committee Meeting	
2:00 pm – 4:00 pm	ARPAS Exam	
2:00 pm – 5:30 pm	Southern Branch ADSA Symposium and Business Meeting.	Korbel Ballroom 3a
4:00 pm – 6:00 pm	Exhibitor Reception	
5:00 pm – 6:00 pm	Presentation by Dr. Roger Beachy, NIFA	
5:00 pm – 6:00 pm	USDA-ARS Staff Update Session	
5:00 pm – 7:00 pm	Companion Animal Reception	
5:30 pm – 7:00 pm	ASAS Award Winners Dinner and Photo Session	
3.30 pm 7.00 pm		Korbel Ballroom 2c
5:30 pm – 7:30 pm	Informal Calf Gathering	
6:00 pm – 8:00 pm	Student Informal Mixer: Lucky Strikes Lanes and Lounge	
7:00 pm	Texas A&M (TAMU) Aggie "Breakfast"	•
7:00 pm – 8:30 pm	ASAS Awards Program	Korbel Ballroom 4abc
8:00 pm – 11:00 pm	Iowa State Reception	
9:00 pm	Graduate Student Mixer	
		LoDo Denver

## Tuesday, July 13

6:30 am – 5:15 pm	Registration Open
	outside Exhibit Hall F
6:30 am – 8:00 am	Penn State Breakfast
6:30 am – 8:00 am	University of Illinois Breakfast
6:30 am – 8:00 am	Kentucky Breakfast
6:30 am – 8:00 am	Virginia Tech Breakfast
6:30 am – 8:00 am 6:30 am – 8:00 am	JDS Editorial Board Breakfast/Meeting
6:30 am – 8:00 am	PSA Foundation Breakfast
7:30 am – 8:30 am	Biomin America Inc. Breakfast Meeting
7:30 am – 9:30 am	Poster Presentations
8:00 am – 9:00 am	ASAS Investment Committee Meeting
8:00 am – 11:30 am	Hospitality Lounge Open
8:00 am – 5:00 pm	Commercial Exhibits and ADSA-SAD Exhibits Open Convention Center, Exhibit Hall F
8:00 am – 5:00 pm	Job Resource Center
8:30 am – 9:30 am	ADSA-SAD Business Meeting–Election of OfficersConvention Center, 705
9:00 am – 1:00 pm	Spouse Event 1
9:30 am – 11:00 am	ADSA-SAD Student Career Roundtable
9:30 am – 11:30 am	ASAS Foundation Board of Trustees Meeting
9:30 am – 5:00 pm	Scientific Sessions
11:00 am – 12:00 pm	WPSA-USA Board Meeting
11:30 am – 12:30 pm	ADSA Production Division Business Meeting Convention Center, 505/506
11:30 am – 12:30 pm	ADSA Dairy Foods Division Business Meeting Convention Center, 501/502
11:45 am – 2:00 pm	ADSA-SAD Awards Luncheon
12:30 pm – 1:30 pm	Michigan State University Luncheon
12:30 pm – 2:00 pm	CSAS Annual General Meeting Denver Marriott, Mattie Silks
12:30 pm – 2:00 pm	WPSA-USA Member Luncheon
12:30 pm – 2:00 pm	ASAS Editors' Luncheon
12:30 pm – 2:00 pm	WSASAS Awards Luncheon
12:30 pm – 2:00 pm	ASAS Foundation Emeritus/Retiree Lunch Convention Center, 702
12:30 pm – 2:00 pm	ADSA DF Division Milk Proteins and Enzyme Committee Convention Center, 705
12:30 pm – 2:00 pm	ARPAS Business Meeting
12:30 pm – 2:00 pm	American Poultry Historical Society Luncheon Crowne Plaza, Altitude
12:30 pm – 2:00 pm	ADSA DF Division Program Planning Lunch Convention Center, 701
12:30 pm – 2:00 pm	ASAS GS Lunch and Learn
12:30 pm – 2:00 pm	PSA Student Luncheon & Museum
12:30 pm – 2:00 pm	NE ASAS/ADSA Business Meeting & Awards Luncheon Convention Center, 711
2:00 pm – 3:00 pm	ADSA-SAD Award and Club Photos Convention Center, 704
2:00 pm – 4:00 pm	ARPAS Exam
2:30 pm – 3:30 pm	ADSA-SAD Committee Meeting–Old and New Officers
	and Advisors
3:00 pm – 5:00 pm	Hospitality Lounge Open
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4:30 pm – 5:00 pm	The ASAS Open Forum
5:00 pm – 6:00 pm	FASS Update
5:00 pm – 9:00 pm	CJAS Editorial Board Meeting
5:00 pm – 6:30 pm	ADSA Award Donor Dinner
5:00 pm	Evonik Degussa Reception (invited guests)
7:00 pm – 8:00 pm	ADSA Awards Program
8:15 pm – 9:30 pm	ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Ice Cream Social Grand Hyatt, Imperial Ballroom
9:15 pm	PSA/WPSA-USA-Canada Student Mixer: Blake St. Vault Meet in Crowne Plaza lobby

## Wednesday, July 14

6:30 am – 5:15 pm	Registration Open
	outside Exhibit Hall F
6:30 am – 7:30 am	ASAS-PSA Joint Executive Committee Meeting
6:30 am – 8:00 am	Purdue University Breakfast
7:30 am – 9:00 am	WSASAS Annual Business Meeting
7:30 am – 9:30 am	S-PAC Conference Coordinators Meeting
7:30 am – 9:30 am	Poster Presentations
8:00 am – 2:00 pm	Commercial Exhibits Open
8:00 am – 5:00 pm	Job Resource Center
8:00 am – 5:00 pm	Hospitality Lounge Open
9:30 am – 10:30 am	WPSA Lecture
	Korbel Ballroom 1cd
9:30 am – 10:30 am	ASAS Business Meeting
9:30 am – 10:30 am	ADSA Annual Business Meeting and Open Forum Convention Center, 403/404
10:00 am – 1:00 pm	Spouse Event 2
10:30 am – 12:30 pm	PSA Business Meeting
	Korbel Ballroom 1cd
10:30 am – 5:00 pm	Scientific Sessions
11:30 am – 12:30 pm	ADSA-ASAS Joint Executive Committee Meeting Convention Center, 711
12:30 pm – 2:00 pm	WSASAS Executive Post Conference Meeting Convention Center, 709
12:30 pm – 2:30 pm	Feed Analysis Consortium Annual Meeting Convention Center 705
12:30 pm – 2:30 pm	ADSA Board of Directors Meeting
12:30 pm – 2:00 pm	PSA New Board Luncheon
2:00 pm – 4:00 pm	ARPAS Exam
2:00 pm – 5:00 pm	Commercial Exhibits Dismantle
2:30 pm – 4:30 pm	ASAS Board of Directors Meeting
3:00 pm – 5:00 pm	Hospitality Lounge Open
3:00 pm – 8:00 pm	National Swine Nutrition Guide Training Conference Hyatt Regency, Mineral Hall F–G
4:00 pm – 5:00 pm	AMPA Business Meeting
4:30 pm – 5:30 pm	2010 Global Networking Reception
	Korbel Ballroom 4abc
4:30 pm – 6:00 pm	Johne's Disease Interest Group
6:00 pm – 8:30 pm	CSAS Awards Banquet
	Suites I–III
6:00 pm – 10:00 pm	PSA Awards Banquet
	Four Seasons 1&2
6:30 pm – 10:30 pm	AMPA Dinner
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7:30 am – 8:30 am	ADSA-ASAS-PSA Joint Executive Committee Meeting Convention Center, 303
8:00 am – 1:00 pm	Registration Open
6.00 am = 1.00 pm	outside Exhibit Hall F
8:30 am – 11:30 am	Scientific Sessions
1:00 pm – 5:00 pm	NIFA NRI/AFRI Animal Growth & Nutrient Utilization
1.00 pm = 3.00 pm	
7:00 pm – 9:00 pm	PD Meeting
7.00 pm = 9.00 pm	PD Reception
Friday, July 16	
7:30 am – 1:00 pm	NIFA NRI/AFRI Animal Growth & Nutrient Utilization
7.50 am = 1.00 pm	PD Meeting
	i Divided ling

## **ADSA Student Affiliate Division Program SAD Special Events**

#### Saturday, July 10

Student White Water Rafting Trip on Clear Creek 12:00 - 4:00 pm Bus departs from the Comfort Inn

Tickets: \$44

Prepare for the adventure of a lifetime! We'll do a beginner trip with Class I to III rapids, perfect for first-time paddlers but plenty of action for those seeking it. Participants must complete the necessary liability waivers and should bring rubbersoled foot gear (tennis shoes, river sandals, etc.); swimsuit or shirt and shorts that will dry quickly (nylon, fleece, other synthetics, or wool); sunscreen and lip balm; sunglasses with strap; bandanna or hat; bottled water; and personal necessities. Price includes round-trip transportation, rafting trip, equipment rental, and guide gratuity.

#### Student Informal Mixer: Cowboy Lounge 5:30 pm - 8:00 pm

Tickets: \$18

Meet in the lobby of the Comfort Inn at 5:30 and we'll walk as a group down 16th Street Mall to Cowboy Lounge at 1941 Market St. (near Coors Field). Cowboy Lounge is the only country and western bar in downtown Denver offering country and rock music. The atmosphere captures the true Wild West with its western cowboy flair, spacious dance floor, dance lessons, and movie screens. Ticket price includes Backyard Barbecue dinner.

Sunday, July 11 SAD Midday Mixer and Pizza Party 12:00 - 1:00 pm Convention Center, 704/706

Tickets: \$5

Join your fellow dairy club members for a fun hour of getting reacquainted and making new friends. Lunch includes pizza, salad, and beverages. Registration is limited to undergraduate and graduate students and advisors.

#### **SAD-Dairy Quiz Bowl Final Round** 5:30 - 6:00 pm

Convention Center, 705

On Sunday, university teams from across the US will compete in the ADSA Dairy Quiz Bowl. The event gives schools an opportunity to demonstrate their knowledge about dairy production, processing, and ADSA history. The Student Affiliate Division (SAD) invites you to join them for the excitement of the final round of competition as the top two schools go headto-head for the title of 2010 Dairy Quiz Bowl Winning Team.

#### Monday, July 12

#### Student Informal Mixer: Lucky Strike Lanes and Lounge 6:00 - 8:00 pm

No ticket required, meet in the lobby of the Comfort Inn to walk as a group.

Bowling, billiards, fun food, and drinks await at Lucky Strikes Lanes and Lounge on the 16th Street Mall. Enjoy the retro feel and experience the cool vibe. Premium, upscale bowling alleys with lane-side food service including a menu of appetizers, burgers, sandwiches, pizza, finger foods, salads, and desserts.

#### Tuesday, July 13

#### SAD Career Roundtable 9:30 – 11:00 am

#### **Convention Center, 705**

Students will have the opportunity to visit with industry professionals representing various facets of the animal agriculture industry. They will learn about careers in the industry, get useful tips on planning for their careers, and much more. Students are encouraged to dress professionally (business casual or better) and bring several copies of their resumes. Students should also plan time to visit industry reps in the exhibit hall for information about internships and job opportunities.

#### SAD Awards Luncheon 11:45 am – 2:00 pm Convention Center, 704/706

Plan to attend this year's SAD awards luncheon. The afternoon will be capped with presentation of student awards and announcement of new SAD officers. Both students and professionals are encouraged to attend. This is a wonderful chance to get to know the next generation of the dairy industry.

#### **SAD Schedule of Events**

Scheduling and locations are subject to change without notice. Please check the onsite newsletter each morning for changes.

#### Saturday, July 10

12:00 pm – 4:00 pm	Student White Water Rafting Trip	Meet in Comfort Inn lobby
3:00 pm – 5:00 pm	Registration Open	
	(preregistered, badge and material pick-up only)	Convention Center, 1st Level lobby, outside Exhibit Hall F
5:30 pm – 8:00 pm	Student Informal Mixer: Cowboy Lounge	Meet in the Comfort Inn lobby

#### Sunday, July 11

7:00 am – 8:00 pm	Registration Open	Convention Center, 1st Level lobby, outside Exhibit Hall F
10:00 am – 6:00 pm	Student Dairy Clubs Exhibits Setup	Convention Center, Exhibit Hall F
10:00 am – 11:00 am	ADSA-SAD Officers and Advisor Meeting	Convention Center, 705
11:00 am – 12:00 pm	ADSA-SAD Quiz Bowl Officials Meeting	Convention Center, 705
11:30 am – 12:00 pm	ADSA-SAD Quiz Bowl Seating Test	Convention Center, 707
12:00 pm – 1:00 pm	ADSA-SAD Midday Mixer and Pizza Party	Convention Center, 704/706
1:00 pm – 5:00 pm	ADSA-SAD Dairy Quiz Bowl Seating/Preliminary Rounds	Convention Center, 705 and 707
5:30 pm – 6:00 pm	ADSA-SAD Dairy Quiz Bowl Final Round	Convention Center, 705
7:00 pm – 8:00 pm	2010 Joint Annual Meeting Opening Session	Convention Center, Wells Fargo Theater
8:00 pm – 10:00 pm	2010 Joint Annual Meeting Opening Reception	Convention Center, Korbel Ballroom

#### Monday, July 12

6:30 am – 5:15 pm	Registration Open	Convention Center, 1st Level lobby, outside Exhibit Hall F
7:00 am – 8:15 am	ADSA-SAD Exhibit Set-Up	Convention Center, Exhibit Hall F
7:30 am – 9:30 am	Poster Presentations	Convention Center, Exhibit Hall F
8:00 am – 5:00 pm	Commercial Exhibits and ADSA-SAD Exhibits Open	Convention Center, Exhibit Hall F
8:30 am – 9:15 am	ADSA-SAD Business Meeting	Convention Center, 705
9:30 am – 10:30 am	ADSA-SAD Judging of Yearbooks, Scrapbooks,	
	Annual Reports	Convention Center, 704
9:30 am – 10:30 am	ADSA-SAD Interviews for Outstanding Student and	
	Advisor Awards	Convention Center, 706

9:30 am – 10:45 am	ADSA-SAD Activities Symposium	Convention Center, 705
9:30 am – 5:00 pm	Scientific Sessions	Convention Center
11:00 am – 5:00 pm	ADSA-SAD Undergraduate Paper Presentations	Convention Center, 705, 707
4:00 pm – 6:00 pm	Exhibitor Reception	Convention Center, Exhibit Hall F
5:00 pm – 6:00 pm	Presentation by Dr. Roger Beachy, NIFA	Convention Center, 403/404
6:00 pm – 8:00 pm	Student Informal Mixer: Lucky Strikes Lanes and Lounge	Meet in the Comfort Inn lobby

## Tuesday, July 13

6:30 am – 5:15 pm	Registration Open	Convention Center, 1st Level lobby, outside Exhibit Hall F
7:30 am – 9:30 am	Poster Presentations	Convention Center, Exhibit Hall F
8:00 am – 5:00 pm	Commercial Exhibits and ADSA-SAD Exhibits Open	Convention Center, Exhibit Hall F
8:30 am - 9:30 am	ADSA-SAD Student Business Meeting–Election	
	of Officers	Convention Center, 705
9:30 am – 5:00 pm	Scientific Sessions	Convention Center
9:30 am - 11:00 am	ADSA-SAD Student Career Roundtable	Convention Center, 705
11:45 am – 2:00 pm	ADSA-SAD Awards Luncheon	Convention Center, 704/706
2:00 pm – 3:00 pm	ADSA-SAD Award and Club Photos	Convention Center, 704
2:30 pm – 3:30 pm	ADSA-SAD Committee Meeting-Old and New Officers	
	and Advisors	Convention Center, 705
7:00 pm – 8:00 pm	ADSA Awards Program	Grand Hyatt, Grand Ballroom
8:15 pm – 9:30 pm	ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Ice Cream Social	Grand Hyatt, Imperial Ballroom

## Wednesday, July 14

6:30 am – 5:15 pm	Registration Open	Convention Center, 1st Level lobby, outside Exhibit Hall F
7:30 am – 9:30 am	Poster Presentations	Convention Center, Exhibit Hall F
8:00 am – 2:00 pm	Commercial Exhibits Open	Convention Center, Exhibit Hall F
9:30 am – 10:30 am	ADSA Annual Business Meeting and Open Forum	Convention Center, 403/404
10:30 am – 5:00 pm	Scientific Sessions	Convention Center
2:00 pm – 5:00 pm	Commercial Exhibits Dismantle	Convention Center, Exhibit Hall F
4:30 pm – 5:30 pm	2010 Global Networking Reception	Convention Center, Korbel Ballroom
4abc		

## Thursday, July 15

8:00 am – 1:00 pm	Registration Open	Convention Center, 1st Level lobby,
		outside Exhibit Hall F
8:30 am – 11:30 am	Scientific Sessions	Convention Center

## ADSA Dairy Foods Division Schedule of Events

#### Sunday, July 11

5:00 pm – 6:00 pm ADSA Dairy Foods Division Council Meeting, Convention Center, 712

### Monday, July 12

7:30 am – 9:30 am	Posters: National ADSA Dairy Foods Graduate Student Poster Competition, Convention Center,
	Exhibit Hall F
7:30 am – 9:30 am	Posters: Food Safety I, Convention Center, Exhibit Hall F
9:30 am – 12:30 pm	National ADSA Dairy Foods Oral: Dairy Foods Oral Student Competition, Convention Center,
	501/502
9:30 am - 12:30 pm	Food Safety: Probiotics, Convention Center, 401/402
11:00 am – 12:15 pm	ADSA-SAD Undergraduate Paper Competition: Dairy Foods, Convention Center, 705
2:00 pm – 5:00 pm	SYMPOSIUM: Dairy Foods: Microbiology and Flavor of Cheese: Convention Center, Korbel Ballroom
	2a
2:00 pm – 5:00 pm	Dairy Foods: Processing, Convention Center, 501/502

#### Tuesday, July 13

7:30 am – 9:30 am	Posters: Dairy Foods: Cheese, Convention Center, Exhibit Hall F
7:30 am – 9:30 am	Posters: Dairy Foods: Chemistry, Convention Center, Exhibit Hall F
7:30 am – 9:30 am	Posters: Dairy Foods: Foods and Products, Convention Center, Exhibit Hall F
9:30 am - 10:30 am	Danisco International Dairy Sciences Award Lecture, Convention Center, 501/502
9:30 am – 12:30 pm	Food Safety: Poultry Aspects, Convention Center, Korbel Ballroom 4abc
10:30 am - 11:30 am	ADSA Foundation Scholar Lecture: Dairy Foods, Convention Center, 501/502
11:30 am – 12:30 pm	ADSA Dairy Foods Division Business Meeting, Convention Center, 501/502
12:30 pm – 2:00 pm	ADSA Dairy Foods Division Program Planning Lunch, Convention Center, 701
12:30 pm – 2:00 pm	ADSA DF Division Milk Proteins and Enzyme Committee, Convention Center, 705
2:00 pm – 3:00 pm	ADSA Foundation Scholar Lecture: Production, Convention Center, 301/303
2:00 pm – 5:00 pm	SYMPOSIUM: Dairy Foods: Towards a Mechanistic Understanding of Probiotic Function in Man and
	Animals, Convention Center, 501/502
3:30 pm – 5:30 pm	ADSA Production Division Symposium: Dairy Products and Human Health: The Facts, Convention
	Center, 301/303

#### Wednesday, July 14

7:30 am – 9:30 am	Posters: Dairy Foods: Microbiology, Convention Center, Exhibit Hall F
7:30 am – 9:30 am	Posters: Dairy Foods: Processing, Convention Center, Exhibit Hall F
7:30 am – 9:30 am	Posters: Dairy Foods: Protein, Convention Center, Exhibit Hall F
7:30 am – 9:30 am	Posters: Food Safety 2, Convention Center, Exhibit Hall F
10:30 am – 12:30 pm	Dairy Foods: Cheese, Convention Center, 501/502
10:30 am – 12:30 pm	Dairy Foods: Chemistry-Protein, Convention Center, 503/504
2:00 pm – 3:30 pm	Dairy Foods: Foods and Products, Convention Center, 503/504
2:00 pm – 5:00 pm	Dairy Foods: Microbiology, Convention Center, 501/502

#### Thursday, July 15

8:30 am – 11:30 am Food Safety: General Aspects, Convention Center 505/506

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SYMPOSIUM: Informal Nutrition Symposium: Connecting Nutrition, Biochemistry, Genetics, Physiology, and
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