

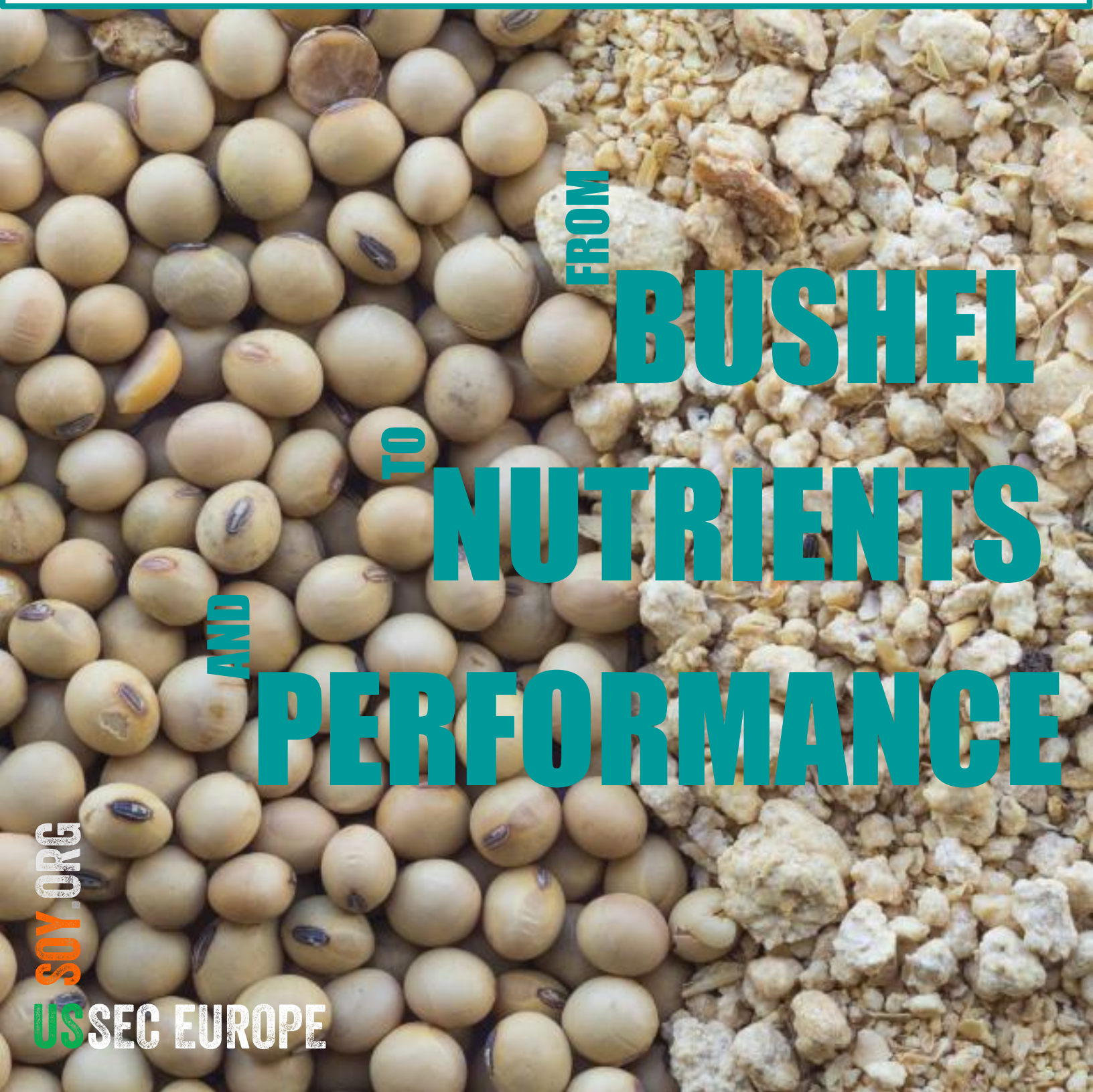
FROM A BUSHEL OF SOYBEANS TO DIGESTIBLE NUTRIENTS AND ANIMAL PERFORMANCE

Advances in Monitoring Soybean Quality and Sustainability from Field to End-User

On Line Webinar for Quality Control Managers, Nutritionists, Purchasers and Decision Makers
Transferring Knowledge to U.S. Soy Customers



Wednesday, March 17th and Thursday, March 18th, 2021
Bucharest, Romania; East Europe Time Zone: GMT / UTC + 2



FROM AND TO BUSHEL NUTRIENTS PERFORMANCE

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Dear Industry Friend,

Hope this message finds you well and everything is okay with you and your business. We kindly invite you to attend **the USSEC live, on-line event made possible thanks to U.S. Soy Farmers and dedicated to U.S. Soy Customers:** Quality Control Managers, Soy Crushing Plants Managers, Feed Mill Managers, Nutritionists, Ingredients Purchasers, Decision Makers, Students, Researchers and Academia.

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Please don't forget to register today (at no fees) yourself in advance, in order to have access to the ZOOM platform, for this event. Meantime, please feel free to invite and encourage your customers and colleagues to register and attend our event. Please find below the registration link:

<https://ussec-org.zoom.us/meeting/register/tJYkdeqvpi0uHdxqxAdDhhnivaG098Zk4A3k>

After registering, you will receive a confirmation email containing information about joining the meeting. **Please, make sure that you will save the Zoom registration confirmation into your Outlook Calendar in order to remember it and have access on the platform during the event days. Remember, the live event will be broadcasted starting from 12:00h Bucharest, Romania (local time GMT / UTC +2).**

A great line-up of speakers and an excellent selection of topics are included in the agenda (attached). High profile experts from the field of Soybean Quality and Sustainability will give presentations on important topics: U.S. Soy Grading Standards and Sustainability, Advances in Soybean Quality Control Methods, latest Technologies for Soybean Analysis in Soy Crushing Plants and Feed Mills, and the Impact of Soy Products Nutrients Digestibility on Animal Performances.

The USSEC conference is offering the opportunity to look with fresh eyes on key topics like the latest (2020) AOCS method for Trypsin Inhibitors Methods, evaluation of different types of soy products thru classical and in-line technologies, processing to boost soy's nutritive value, the importance of grading standards and the latest updates on in Soy Sustainability and Soy Sourcing Guidelines in Europe. A sincere thank you to our speakers for accepting to join our event and share valuable information with us.

Registration (at no fees) will be open till Friday, March 12th. Please do not hesitate to register right now: First Come, First Served.

We are looking forward with interest to meet you at our two days live event and to:

- Enjoy Quality Content about U.S. Soy, Quality Standards, and Quality Control
- Have access to the live presentations during the broadcast, and by the end of the event, you will have access to copies of the presentations.
- Ask questions: You will have the opportunity to ask live questions to all speakers.
- Build Your Network - You can see who else is participating, connect, and network peer-to-peer (in strict respect of GDPR regulation).

Initially, this event was designed for customers from South-East Europe, but we decided to expand this to any U.S. Soy customer / professional around the world interested in the latest in the field of soy quality control, grading standards, and animal nutrition. Therefore, the registration is open to any interested professional. Meantime, please do not hesitate to contact us if you are interested to learn more about U.S. Soy. We will be ready to put you in contact with the local USSEC consultant from your area. Or, you can find your country representative on the www.ussec.org.

Looking forward with interest to hear from you, I remain.

Thanks and kind regards,
Dr. Iani CHIHAIA
USSEC Europe



FROM A BUSHEL OF SOYBEANS TO DIGESTIBLE NUTRIENTS AND ANIMAL PERFORMANCE



World Renowned Experts in Soybean Quality, Sustainability and Animal Nutrition

LIVE WEBINAR

**17th and 18th
March 2021**

**Time Zone
GMT / UTC + 2**

broadcasted from :
Salt Lake City,
Minneapolis,
Saint Louis,
Washington, London,
Amsterdam, Brussels,
Copenhagen, Paris,
Sankt Petersburg,
Bucharest
and Istanbul



**Brent
BABB**



**Anton
van den BRINK**



**Iani
CHIAIA**



**Maria
DOMOROSHCHENKOVA**



**Henrik
ELHOLM**



**Jan
van EYS**



**Kees
GEERSE**



**Andy
LaFOLLETTE**



**Keshun
LIU**



**Seth
NAEVE**



**Byron E.
REILLY**

FROM A BUSHEL OF SOYBEANS TO DIGESTIBLE NUTRIENTS AND ANIMAL PERFORMANCE

Advances in Monitoring Soybean Quality and Sustainability from Field to End-User

March, 17th and 18th, 2021

12:00 AM to 05:30 PM East Europe Time Zone: GMT / UTC + 2

SPEAKER'S and ORGANIZER'S LOCATIONS



FROM A BUSHEL OF SOYBEANS TO DIGESTIBLE NUTRIENTS AND ANIMAL PERFORMANCE

Advances in Monitoring Soybean Quality and Sustainability from Field to End-User

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-Transferring Knowledge to U.S. Soy Customers -



Wednesday, March 17th and Thursday, March 18th, 2021
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AGENDA

LOCAL TIME ZONES and OPENING TIME OF THE EVENT

Saint Louis, USA	Madrid, Spain - Paris, France - Copenhagen, Denmark	Bucharest, Romania - Athens, Greece
GMT / UTC - 5 (CDT)	GMT / UTC + 1	GMT / UTC + 2
04:00 AM	11:00 AM	12:00 AM

DAY ONE		
TIME	ACTIVITY	LEAD
12:15 - 12:30	Live Webinar Opening: Brief Remarks, Webinar Goals and Objectives and Introduction of the Speakers	Iani CHIHAIA USSEC Europe Zoom Chatman
12:30 - 12:45	Introduction of U.S. Soy Supply Chain, Differentiating and Building a Preference for U.S. Soy Jim SUTTER, USSEC CEO	USSEC Video Ad
12:45 - 13:15	The Role of Quality in Soybean for Decision-Making Process: Traders, Crushers, and End Users <ul style="list-style-type: none"> - The World Soybean, Soybean Meal and Soy Oil Market - Why Soy Quality Matters? Traders, Crushers and Nutritionist's Perspective - Key U.S. Soy Characteristics affecting Decision Making Processes for Importers 	Jan van EYS USSEC Europe
13:15 - 13:45	FEFAC Soy Sourcing Guidelines 2021; Increasing Soy Market Transparency <ul style="list-style-type: none"> - FEFAC's Goals and Ambitions for Continuous Improvement on Responsible Soy Sourcing - Criteria and Verification Enabling Interested Responsible Soy Schemes and Programs - The Role of the Soy Sourcing Guidelines 2021 in Conversion-Free Soy Supply Chains 	Anton van den BRINK FEFAC Senior Policy & Communication Manager
13:45 - 14:15	Processing Technologies to Boost Nutritive Value of Soy Products Used in Animal Feeding <ul style="list-style-type: none"> - General Overview of Soybean Processing Technologies; Anti-Nutritional Factors in Soybeans - Conventional Soy Protein Products: SBM Solvent Extracted (Low and High Pro), SBM Mechanically Extracted, Full Fat Soya; - Value Added Soy Protein Products: SPC, SPI, Fermented Soybean Meal 	Maria DOMOROSHCHENKOVA USSEC Russian Federation
14:15 - 14:50	ProFoss™ In-Line Process Analytics Solution for Soybean Crushing & Meal Production <ul style="list-style-type: none"> - Know and control your process - Confidently support continuous improvement - Secure and sustain optimal results 	Andy LaFOLLETTE Global Key Account Manager FOSS Analytics, UK
14:50 - 15:00	USSEC Dare2Compare Nutrition Protein	USSEC Video Ad
CONFERENCE BREAK		
15:30 - 16:10	Grading Standards for Soybeans to Facilitate Marketing and Trade <ul style="list-style-type: none"> - Importance of Grading Standards for Trade - Test Weight, Foreign Material, Splits, Damaged Kernels, Soybeans of other Colors - Grading Standards Comparison between Countries of Origin 	Byron E. REILLY International Affairs Division FGIS, USDA
16:10 - 16:40	Quality of the United States Soybean Crop: 2020 <ul style="list-style-type: none"> - Historical Soybean Protein and Oil Variation - 2020 Survey Results and Methods: Protein and Oil - Better Measures of Soybean Quality: Amino Acids and Soluble Sugars 	Seth NAEVE University of Minnesota USA
16:40 - 17:10	The New AOCS Method Ba 12a-2020 for Trypsin Inhibitor Assay and Results of an Intl Collaborative Study <ul style="list-style-type: none"> - Rationale for significant revision of the AOCS method Ba 12-75 (now obsolete) for measuring trypsin inhibitor activity in soy products - Features of the revised method and the process to make it the newly approved AOCS method Ba 12a-2020 (the new AOCS method) - Results of an international collaborative study conducted in 2020 for the most recently for the new method 	Keshun LIU Research Chemist USDA-ARS
17:10 - 17:30	Questions and Answers Session / Wrap Up	Iani CHIHAIA Facilitator
17:30	U.S. Soy Growers' Anthem	USSEC Video Ad
End of Day One		

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AGENDA

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04:00 AM	11:00 AM	12:00 AM

DAY TWO		
TIME	ACTIVITY	LEAD
12:15 - 12:30	Live Webinar Opening: Brief Remarks, Webinar Goals and Objectives and Introduction of the Speakers	Iani CHIHAIA Facilitator Zoom Chatman
12:30 - 12:45	USSEC Dare2Compare Sustainability	USSEC Video Ad
12:45 - 13:15	Not All Soybean Meals are Created Equal <ul style="list-style-type: none"> - Chemical Composition and Nutritive Value - Protein Quality & Amino Acids Digestibility - Soy Attributes Affecting Digestibility, and Animal Utilization 	Jan van EYS USSEC Europe
13:15 - 13:45	Protein Solubility Analysis as an Instrument for Evaluation of Different Types of Soy Products <ul style="list-style-type: none"> - Importance of Quality Control for Soy Products - Methods of Analysis of Protein Solubility: NSI, PDI, KOH Solubility - Urease Activity and Solubility of Protein as Indicators of Nutritional Value of Soybean Meal - Protein Solubility in VA Soy Products - a Different Story 	Maria DOMOROSHCHENKOVA USSEC Russian Federation
13:45 - 14:15	Formulating Non-Ruminant Diets with Soy Products to Maximize Animal Performance; The Dutch Experience <ul style="list-style-type: none"> - Soy as Main Sources of Digestible Amino Acids for Poultry and Swine - Dehulled and Non-Dehulled SBM vs other Protein Sources in Animal Diets - Quality Parameters of SBMs and Impact on Feed Formulation- the Dutch Experience 	Kees GEERSE USSEC Europe
14:15 - 14:50	In-Line NIR for Real-Time Monitoring and Optimisation of Feed Manufacturing Processes <ul style="list-style-type: none"> - Why consider the use of in-line NIR? - Examples of feed applications and resulting benefits - Practical considerations when implementing in-line NIR 	Henrik ELHOLM Head of Feed and Forage FOSS Global Denmark
14:50 - 15:00	US Soy is Open for Business	USSEC Video Ad
CONFERENCE BREAK		
15:30 - 16:00	U.S. Soy Sustainability and Trade <ul style="list-style-type: none"> - U.S. Soybean farming - U.S. Soybean Sustainability Assurance Protocol (SSAP) - U.S. Soybean Farmer Sustainability Goals by 2025 	Brent BABB USSEC Regional Director EUMENA
16:00 - 16:30	Producing High Quality Soybeans to Increase Value for Soybean and SBM Purchasers <ul style="list-style-type: none"> - What is Foreign Matter and Where Does it Come From? - Harvest Management to Reduce Foreign Matter and Splits - A Foreign Matter Reduction Project in the USA 	Seth NAEVE University of Minnesota USA
16:30 - 17:00	The Units for Expressing Trypsin Inhibitor Activity in Soy Products: Comparison, Calculation, and Standardization <ul style="list-style-type: none"> - Pros and Cons for Each of Three Units in Expressing TIA in Soy Products - Correct Ways to Calculate Trypsin Inhibitor Activity in Amounts of Trypsin Inhibited/g Sample - The Need to Standardize Results with a New Reference Trypsin for Easy Comparison Among Reports 	Keshun LIU Research Chemist USDA-ARS
17:00 - 17:30	Questions and Answers Session / Wrap Up	Iani CHIHAIA Facilitator
17:30	U.S. Soy Growers' Anthem	USSEC Video Ad
End of Day Two		


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SHORT BIOS SPEAKERS


Brent BABB

**Regional Director, Europe and Middle East
U.S. Soybean Export Council - USSEC
Greater Saint Louis Area, USA**


Brent Babb holds a Master's degree in Marketing from Webster University and a B.A. in Business Administration from Murray State University. His current responsibilities include leading USSEC's Europe, Middle East and North Africa region and working on market access and trade issues, such as biotechnology, sustainability, transportation and trade agreements.

Babb led development of the U.S. Soy Sustainability Assurance Protocol (SSAP), which emphasizes the national conservation efforts used by U.S. soybean growers. Brent Babb has also served U.S. producers in promoting soy exports since 1998 at USSEC and also through activities with the American Soybean Association-International Marketing. He has served as ASA staff lead for the Global Opportunities Committee and director of operations and communications.

Anton van den BRINK

**FEFAC Senior Policy & Communication Manager
EFFPA Executive Director**


Anton van den Brink started working at FEFAC in 2013 and since 2018 he holds the position of Senior Policy & Communication Manager. In this role, he is actively engaged on European feed industry action on responsible soy sourcing, environmental footprinting, circular economy and food waste. He played a leading role in the development and publication of the FEFAC Feed Sustainability Charter 2030 in September 2020. He has co-led the project of upgrading the FEFAC Soy Sourcing Guidelines and played a proactive role in developing an operational solution to conversion-free soy sourcing.

Anton is also Executive Director of EFFPA, the European Former Foodstuff Processors Association. Anton graduated in Persuasive Communication at the University of Amsterdam (2012). He lives in Brussels with his wife and daughter.


Iani CHIHAIA

**USSEC Consultant
South East Europe**





Iani CHIHAIA is a feed and animal nutrition industry professional with a solid scientific and technical education but also with a strong sense of business in the feed and livestock industry. He has extensive work experience and is constantly concentrating efforts on promoting the efficient and safe use of feed ingredients, modern nutrition, feed formulation techniques, animal feeding concepts and technology transfer in the area of compound feed manufacturing and soy processing.

Iani holds a Ph. D. in Animal Nutrition from Bucharest Agricultural University and has been extensively involved for the past 25 years with the feed and livestock industry from the South East Europe, focusing on Romania, Bulgaria, Russia and Greece markets. Either

independently or as a team leader of both local and foreign experts, he successfully managed several technical assistance activities or industry development projects for independent or integrated feed companies. This gave him varied skills and the ability to work with many different types of people, both functionally and culturally.




Following his passion about animal nutrition, Iani was for more than seven years the Editor in Chief of the Romanian Feed Industry Magazine where he wrote and published over 50 technical press articles and gave presentations at national, regional and international events. Starting with this year Iani is a member of editorial board of the "Ptitsevodstvo", the Russian Poultry Industry Magazine.

Since 2010-year, Dr. Iani Chihaia initiated the formation of the Romanian Feed Manufacturers Association- ANFNC and shortly after that, the newly established organization was affiliated as a full member at the European Federation of Feed Manufacturers - FEFAC. In June 2018 Iani was elected as the President of the ANFNC and from this position he actively promotes the Romanian feed industry development, building strategies to secure supply for the imported feed ingredients, to attract new investments and to upgrade the feed industry biosecurity standards and practices.

Maria DOMOROSHCHENKOVA			
	USSEC Consultant Russian Federation		

Maria DOMOROSHCHENKOVA performs as a local consultant and a regional representative for USSEC in Russian Federation for several years being involved in planning, coordinating, and implementing of USSEC activities in Russia and FSU countries. Maria has a Diploma with honors of Chemical Engineer from Sankt Petersburg Technological Institute (Technical University). After graduation she worked as a researcher and performed her postgraduate study at the All-Russian Scientific Research Institute of Fats.

She defended the dissertation "Development of Technology of Production of Modified Proteins from Soybean Meal Using Biotechnological Methods" and got the degree of candidate of technical sciences (Ph.D.). In 2005 she received a degree of associate professor. In 2012 for professional achievements, she was awarded with the title and Medal of the Laureate of Premium of the Government of RF in area of science and technology. Today Dr. Maria Domoroshchenkova continues to work at the position of the Head of Department of Vegetable Proteins and Biotechnology of the Institute of Fats in Sankt Petersburg, Russia. Most of her research activities, publications and presentations are focused on soy protein products technologies, applications, and market development.

	Henrik ELHOLM		
		Head of Feed and Forage FOSS Global Denmark	

Henrik ELHOLM is Head of Feed and Forage in FOSS and is working globally to help feed manufacturers and supply industries improve operating margin and improve quality. Henrik is a trained Chemical Engineer and has more than 20 years of international experience from feed and other process related manufacturing industries.

Jan van EYS			
	USSEC Consultant Paris, France		

Jan van EYS has been active in various capacities in international animal nutrition for more than 35 years; much of this time in the international feed business. Following his undergraduate studies in Agronomy in the Netherlands he completed a M.Sc. in Rangeland Nutrition at the New Mexico State University and a Ph.D. in Ruminant Nutrition from West Virginia University (USA). Between his BSc

and graduate work, he worked five years in Bolivia and Somalia on Government and FAO development projects. After completion of his graduate studies, he worked as an Assistant Professor in Ruminant Nutrition for North Carolina State University.



In this capacity he collaborated with USAID on international ruminant research projects in Indonesia, Morocco and Brazil. He joined Ralston Purina International in 1986 holding research and technical positions in Portugal and France. Within this company he held the position of European Research Director and upon the creation of Agribrands International he became Vice President for Research and Development based in St. Louis, MO. He left the company in 2001 to establish GANS Inc. an independent consulting company in Animal Nutrition concentrating on research and technical support to the international feed industry.

He currently works with a wide range of companies covering all aspects of the feed and livestock industry. During his career, Dr. van Eys has served on an important number of scientific commissions and study groups in the EU as well as the USA. His publications include 30 senior-authored and more than 40 co-authored manuscripts alongside material in the form of industry proceedings and industry press articles. Dr. van Eys has been invited to numerous international and national presentations



Kees GEERSE		
	USSEC Consultant Amsterdam, The Netherlands	

Kees GEERSE holds a Master's degree in animal science and nutrition from the Wageningen University. He is active for more than 35 years in the international feed business holding senior positions in leading global feed companies (DSM, Provimi-Cargill, Nutreco-Trouw Nutrition). In the late eighties and early nineties he has been deeply involved in the development and application of feed enzymes with a major focus on microbial phytase, the enzyme creating a revolution in monogastric nutrition. The main focus of his career has been commercial feed formulation in monogastrics and scientific evaluation of feed ingredients and feed additives, including gut health aspects.

During this time he is independent nutritional consultant works with a wide range of companies covering all aspects of the feed industry. His major mission is to contribute to a "rational based nutrition" combatting myths and beliefs and turn those into rational decisions, applying science-based data in a commercial professional environment.

	Andy LaFOLLETTE	
		Global Key Account Manager FOSS Analytics, UK

Andy LaFOLLETTE holds a bachelor's degree in Chemistry from the University of Northern Iowa (1992-1996). He has 20+ years in different feed ingredient quality and plant operations support positions, including National By-Products (1997-1999); Cargill Animal Nutrition (1999-2005); Cargill Grain & Oilseeds NA (2005-2016); Cargill Soy Texturizing Solutions (2016). Since joining FOSS in 2016, Andy's role has expanded from the North America region into a Global Key Account Manager (2017-current) working with clients in Grain & Oilseeds, Feed Nutrition, and Food Proteins segments.

Keshun LIU		
	Research Chemist United States Department of Agriculture, Agricultural Research Service USDA-ARS	

Keshun LIU, Ph.D. is a Research Chemist with United States Department of Agriculture, Agricultural Research Service (USDA-ARS). Born in rural China, he received Ph.D. degree in Food Science from Michigan State University (USA) in 1989 and did post-doctoral work at Coca-Cola Co. and University of Georgia (USA) thereafter. He then worked at Monsanto Co. as a soy lab manager for 10 years. Prior to joining USDA-ARS in 2005, he was employed at University of Missouri where he was one of the contributors for fine

tuning the high moisture extrusion technology to make meat analogs. A few years later, the university transferred the technology to Beyond Meat.

Dr. Liu's passion and expertise in chemistry, processing, and value-added utilization of soybeans has spanned over 35 years of his research career at academic institutions, private industry, and governmental agency. Over the years, Dr. Liu authored or co-authored 137 publications, co-organized 6 international conferences, organized/co-organized 52 symposia for scientific meetings, and gave 110 technical presentations to domestic and international audiences.

In addition, he wrote, edited or co-edited four English reference books (two on soybeans) including "Soybeans Chemistry, Technology and Utilization" (Chapman & Hall, 1997), "Soybeans as Functional Foods and Ingredients" (2005, AOCS Press), "Asian Foods: Science and Technology" (Technomic, 1999) and Distillers Grains: Production, Properties and Utilization (CRC and AOCS Press, 2011). Dr. Liu has been active in several scientific societies, including American Oil Chemists' Society (AOCS), Institute of Food Technologists (IFT), American Association of Cereal Chemists, and American Association for the Advancement of Science.




For AOCS Protein and Co-Product Division, he served as executive committee member, treasurer, chair-elect and chair. For IFT Product Development Division, he also served as executive committee member, treasurer, chair-elect and chair. For his scientific achievements and contributions and professional services, he received several prestigious awards over the years, including AOCS Award of Merit (2010), AOCS fellow (2011), IFT fellow (2014), and AOCS Protein & Co-Products Division Lifetime Achievement Award (2020).

	<p style="text-align: center;">Seth NAEVE</p> <hr/> <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p>Associate Professor in the Department of Agronomy and Plant Genetics University of Minnesota, USA</p> </div>  </div>
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Seth Naeve is a Soybean Agronomist with the University of Minnesota and is an Associate Professor in the Department of Agronomy and Plant Genetics. Dr. Naeve's research program focuses on the development of novel strategies for the efficient production of high-quality soybean.

His research efforts are split between analyzing genetic, environmental, and cultural effects on soybean seed quality (oil, protein, fatty acid, amino acid, and carbohydrate composition) and researching management strategies to maximize production efficiencies.

These activities are centered in the north-central region of the US, specifically in Minnesota where about 8 million acres of soybean are produced each year. Seth was raised on a corn and soybean farm in Northern Iowa and received his bachelor's degree in Biology and Ph.D. in Agronomy (Crop Production and Physiology) from Iowa State University.

<p style="text-align: center;">Byron E. REILLY</p> <hr/> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="display: flex; align-items: center;">  <div style="text-align: center;"> <p>Director, International Affairs Division Federal Grain Inspection Service; Agricultural Marketing Service, USDA</p> </div> </div>  </div>		
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Byron REILLY is the Director of the Agricultural Marketing Service, Federal Grain Inspection Service (FGIS), in International Affairs Division in Washington, D.C. He has been with FGIS for 45 years. He started as an Agricultural Commodity Grader in Indianapolis, Indiana.

Byron grew up on a family farm in rural Pennsylvania, where they grew corn and Soft Red Winter wheat, raised cattle, swine, and ran an egg laying operation.


Graduated with a B.S. in Agronomy from Delaware Valley University in Doylestown, Pennsylvania.

He has traveled overseas to numerous countries and spent one month in S.E. Asia traveling to 8 countries to meet with buyers and users of U.S. grain and addressed grain quality issues and technical barriers to trade. Byron helped establish grain inspection labs in



several countries and train government and industry inspectors in U.S. sampling and inspection procedures and worked with USDA Cooperator organizations like USSEC, ASA, USGC, USWA on market development activities.

ABOUT OUR PROFESSIONAL ORGANIZATIONS:



  	<p>U.S. SOYBEAN EXPORT COUNCIL</p> <hr/>  <p>Greater Saint Louis Area, USA http://ussec.org/</p>
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A **dynamic partnership of key stakeholders** representing soybean producers, commodity shippers, merchandisers, allied agribusinesses and agricultural organizations. **USSEC's mission is to maximize the use of U.S. soy internationally** by meeting the needs of our stakeholders and global customers.

Through a global network of international offices and strong support in the U.S., we **help build a preference for U.S. soybeans and soybean products**, advocate for the use of soy in feed, aquaculture and human consumption, **promote the benefits of soy use through education and connect industry leaders** through a robust membership program.

<p>UNITED STATES DEPARTMENT OF AGRICULTURE Agricultural Research Service USDA-ARS</p>	
<p>https://www.ars.usda.gov/</p> 	

The **Agricultural Research Service (ARS)** is the principal in-house research agency of the United States Department of Agriculture (USDA). ARS is one of four agencies in USDA's Research, Education and Economics mission area. ARS is charged with extending the nation's scientific knowledge and solving agricultural problems through its four national program areas: nutrition, food safety and quality; animal production and protection; natural resources and sustainable agricultural systems; and crop production and protection. ARS research focuses on solving problems affecting Americans every day. The ARS Headquarters is located in the Jamie L. Whitten Building on Independence Avenue in Washington, D.C. and the headquarters staff is located at the George Washington Carver Center (GWCC) in Beltsville, Maryland.

	<p></p> <p>USDA FEDERAL GRAIN INSPECTION SERVICE</p> <hr/> <p>https://www.ams.usda.gov/about-ams/programs-offices/federal-grain-inspection-service</p>
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FGIS was created by Congress in 1976 to manage the national grain inspection system, which was initially established in 1916, and to institute a national grain weighing program. Today FGIS facilitates the marketing of U.S. grain and related products by establishing standards for quality assessments, regulating handling practices, and managing a network of Federal, State, and private laboratories that provide impartial official inspection and weighing services.

Under the United States Grain Standards Act (USGSA) and the Agricultural Marketing Act of 1946 (AMA), FGIS establishes and maintains official U.S. grain standards for barley, canola, corn, flaxseed, oats, rye, sorghum, soybeans, sunflower seed, triticale, wheat, mixed grain, rice, and pulses; Inspects and weighs grain and related products for domestic and export trade; Establishes methods and procedures, and approves equipment for the official inspection and weighing of grain; and supervises the official grain inspection and weighing system.

The official system is a network of FGIS field offices, and State and private grain inspection and weighing agencies across the nation that are authorized by FGIS to provide official inspection and weighing services. Provides international services and outreach programs and protects the integrity of the official inspection system and the market at large to ensure markets for grain and related





products are fair and transparent. FGIS and the official agencies that comprise the official system provide services under both the USGSA and the AMA on a fee basis for both export and domestic grain shipments.

<p align="center">EUROPEAN FEDERATION OF FEED MANUFACTURERS FEFAC</p>		
<p align="center">https://fefac.eu/</p>		

EUROPEAN FEDERATION OF FEED MANUFACTURERS (FEFAC) represents, defends and promotes the interests of the European compound feed and premix industry with the European Institutions, international bodies (IFIF, Codex Alimentarius, OIE, etc.) and stakeholders' platforms. The organization lobbies for a legislative framework and its implementation, without discrimination in EU Member States so as to maximize market opportunities for EU compound feed and premix companies; is developing professional rules and good manufacturing practices including the sourcing of feed materials that ensure the quality and the safety of compound feed and premix.

FEFAC also safeguards conditions of free access to raw materials, the proper functioning of their markets and the definition of their quality; encourages the sustainable development of livestock production responding to the market requirements, so as to maximize market opportunities for compound feed and premix companies. As the only professional body in the EU, FEFAC encourages the development of precompetitive European animal nutrition-related Research & Development projects seeking to enhance the European feed & livestock sectors competitiveness and capacity to innovate in and/or transfer science and technology-based solutions to improve the sustainability of resource efficient livestock production systems. Not in the last the organization contributes to public communication campaigns seeking to enhance the image of the compound feed and premix industry.

	<p align="center">FOSS ANALYTICS</p>
	 <p align="center">https://www.fossanalytics.com</p>

FOSS is known throughout the world for efficient, analytical solutions that help to improve both food quality and safety in the global food market. And we are playing an increasingly important role in ensuring optimal use of valuable agricultural resources and have created groundbreaking innovations throughout the years in analytical technology.

FOSS provides instruments and solutions to the world's 100 largest food companies and for over sixty years, FOSS has been at the forefront of creating analytical technology.

85% of the world's milk production and 80% of grain traded on the world market is tested using a FOSS Analytical solution? FOSS employs around 1,500 people working all over the world including almost 600 in Denmark. The analytical instruments are marketed and sold through a global network of sales subsidiaries in 30 countries and by more than 85 dedicated distributors spread over Europe, North, South and Central America, Africa, Asia, and Australia.

