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COMMODITY FUTURES TRADING COMMISSION

AGRICULTURAL ADVISORY COMMITTEE

10:00 a.m.

Wednesday, June 9, 2021

Teleconference

1 A P P E A R A N C E S

2 COMMODITY FUTURES TRADING COMMISSION MEMBERS

3

4 Acting Chairman Rostin Behnam

5 Commissioner Brian D. Quintenz

6 Commissioner Dawn DeBerry Stump

7 Commissioner Dan M. Berkovitz

8

9

10 AGRICULTURAL ADVISORY COMMITTEE

11

12 BUDDY ALLEN

13 AMERICAN COTTON SHIPPERS ASSOCIATION

14

15 JOE BARKER

16 NATIONAL COUNCIL OF FARMER COOPERATIVES

17

18 CHRIS BETZ

19 MICHIGAN AGRI-BUSINESS ASSOCIATION

20

21 ROBBIE BOONE

22 FARM CREDIT COUNCIL

1 A P P E A R A N C E S

2 AGRICULTURAL ADVISORY COMMITTEE [CONTINUED]

3

4 PATRICK COYLE

5 NATIONAL GRAIN AND FEED ASSOCIATION

6

7 ROB CREAMER

8 FUTURES INDUSTRY ASSOCIATION/PRINCIPAL TRADERS GROUP

9

10 ROBERT CROSBY

11 MANAGED FUNDS ASSOCIATION

12

13 ED ELFMANN

14 AMERICAN BANKERS ASSOCIATION

15

16

17 H. THOMAS HAYDEN, JR.

18 COMMODITY MARKETS COUNCIL

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A P P E A R A N C E S

AGRICULTURAL ADVISORY COMMITTEE [CONTINUED]

MATT HINES

AMERICAN FARM BUREAU FEDERATION

TOM KADLEC

FUTURES INDUSTRY ASSOCIATION

CHRIS KLENKLEN

NATIONAL ASSOCIATION OF STATE DEPARTMENTS OF

AGRICULTURE

ERIN MORRIS

USDA AGRICULTURAL MARKETING SERVICE

CYNTHIA NICKERSON

USDA

JOHN OWEN

USARICE FEDERATION

1 A P P E A R A N C E S

2 AGRICULTURAL ADVISORY COMMITTEE [CONTINUED]

3 MARK SCANLAN

4 INDEPENDENT COMMUNITY BANKERS OF AMERICA

5

6 STEPHEN STRONG

7 NORTH AMERICAN EXPORT GRAIN ASSOCIATION

8

9 JUSTIN TUPPER

10 US CATTLEMENS ASSOCIATION

11

12 HAYDEN WANDS

13 AMERICAN BAKERS ASSOCIATION

14

15 RYAN WESTON

16 AMERICAN SUGAR ALLIANCE

17

18 BRANDON WIPF

19 AMERICAN SOYBEAN ASSOCIATION

20

21 CHRIS YOUNG

22 INTERNATIONAL SWAPS AND DERIVATIVES ASSOC., INC.

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P R O C E E D I N G S

(10:00 a.m. EST)

MS. MERSINGER: Good morning, as Designated Federal Officer and Acting Chair of the Agricultural Advisory Committee, it's my pleasure to call this meeting to order.

I'd like to welcome everyone to today's meeting. Before we get started there are a few housekeeping items to mention. Since this is a virtual meeting, and is being broadcast, please make sure to identify yourself before you begin speaking. Also, please signal when you have completed your comments, so that we may continue to the next speaker or question. Please ensure your phone is unmuted before you start to speak, and that you're speaking clearly into your device.

For the committee members, please send a message with your questions to the panelists group through the WebEx chat function box at the appropriate time and you will be recognized to unmute your line and to ask a question. If we do not get to your question, please feel free to chat

1 or email during or after the meeting. And finally,
2 please keep your telephone line muted when you are
3 not speaking. If you do not mute yourself, the
4 conference operator may put your line on mute.

5 Now that we have the housekeeping issues taken
6 care of, I'd like to turn to our current committee
7 sponsor, Commissioner Dawn Stump for her opening
8 remarks.

9 Go ahead, Commissioner Stump.

10 COMMISSIONER STUMP: Thank you Summer and
11 thanks to all who joined us today for the virtual
12 Agricultural Advisory Committee meeting. I'm very
13 hopeful that sometime during in 2021 we will
14 eventually be allowed to have the opportunity to
15 meet again in person. But as the Committee has
16 some pressing business I'm pleased that we're
17 taking the opportunity today to have these
18 important conversations from the various remote
19 locations.

20 I'd like to begin by expressing how honored I
21 am to sponsor the Agricultural Advisory Committee,
22 and how much I appreciate my fellow commissioners

1 supporting my request to do so. This committee was
2 the CFTC's first Advisory Committee and has been
3 sponsored by many commissioners who I consider to
4 be friends, worthy of admiration and tremendous
5 respect. So I am today delighted to be the
6 custodian of this important committee.

7 Also, as many of you know, my roots are in
8 agriculture and the many challenges and issues that
9 face this sector are near and dear to my heart.
10 However, my excitement to sponsor the Ag Advisory
11 Committee does not suggest that I am any less
12 excited about the other committee that I'm honored
13 to sponsor, the Global Markets Advisory Committee,
14 also known as the GMAC. Quite the opposite, I'm
15 very passionate about matters involving our markets
16 globally and I continue to be honored and committed
17 to the work and effort of the GMAC.

18 At first glance, it might seem as though these
19 two advisory committees are vastly different. Our
20 focus on international financial market structure
21 and operations and the Ag Advisory Committee's
22 focus on the U.S. based farm economy - and the use

1 of our traditional commodity markets - are somewhat
2 different.

3 However, I see a great deal of synergies
4 between the Ag Advisory Committee and Global
5 Markets Advisory Committee. And I'm hopeful after
6 our presentation today from Owain Johnson and Fred
7 Seamon from the CME Group, and FIA's Will Acworth,
8 that we will have a better appreciation of the
9 connection of these two committees, as it relates
10 specifically to the global landscape of
11 agricultural commodity markets.

12 I hope that looking at Ag commodity markets
13 with a global perspective will help to inform the
14 work of the committee as well as the work of the
15 Commission in maintaining competitive and efficient
16 agricultural futures markets here in the US.

17 Likewise, The US agriculture sector supports
18 not only our domestic consumers, but they feed and
19 clothe the entire world. And we recently witnessed
20 challenges to that task during the pandemic. So
21 today we have another panel to provide a glance
22 into how some of the most heavily impacted

1 agricultural sectors manage the uncertainty and
2 significant supply chain disruptions during the
3 pandemic.

4 We'll hear from risk management leaders in
5 dairy, pork, and cotton; all industries that
6 contribute heavily to the U.S. farm economy, but
7 with supply chains that have a significant global
8 footprint. I'm very grateful to have Christian
9 Edmiston, Senior Director of Sourcing and Risk
10 Management from Land O'Lakes; David Rossen, Global
11 Hedging Manager for Cotton at Louis Dreyfus
12 Companies; and Dhamu Thamodaran, former Executive
13 Vice President, Chief Strategy Officer and Chief
14 Commodity Hedging Officer for Smithfield Foods, on
15 a panel to share their insights with us today.

16 I believe this conversation will be the
17 kickoff to more discussions on how our commodity
18 futures markets can contribute to securing those
19 goods that are so important to consumers today, and
20 always, but especially as we recover from the
21 pandemic.

22 Last but certainly not least, I'm looking

1 forward to hearing the full Ag Advisory Committee
2 discuss and consider the final recommendations
3 offered by the Subcommittee to Evaluate Commission
4 Policy with Respect to Implementation of Amendments
5 to Enumerated Agricultural Futures Contracts with
6 Open Interest, much more easily spoken and commonly
7 known as the Ag-OI Subcommittee.

8 This subcommittee reflects months of hard work
9 between various stakeholders to come up with a
10 consensus-based approach to managing open interest
11 when making changes to ag commodity contracts. I
12 sincerely appreciate all of the time and effort
13 members of subcommittee put into this report. I
14 know there were members who literally had to pull
15 over their tractors in the field to jump on a video
16 conference to ensure the report came together in a
17 timely fashion.

18 And special thanks to Professor Joe Janzen
19 from the University of Illinois Department of
20 Agricultural and Consumer Economics who serves as
21 the chair of the subcommittee. Professor Janzen
22 was the steady hand and driving force in completing

1 the report, and he did this work while being a
2 full-time professor. I would also like to note
3 that Joe and his wife became parents again in the
4 middle of this undertaking. Understanding how
5 crazy life can be with a newborn in the house, I
6 cannot thank Professor Janzen enough for his
7 dedication to this project and the final work
8 product.

9 Given our full and fascinating agenda I do not
10 want to use any more of the time today with my
11 introductory remarks, but I do want to offer a
12 special thanks to Summer Mersinger and Christa
13 Lachenmayr for their tremendous efforts in
14 organizing the committee and the subcommittee.
15 Thanks to our speakers and presenters for sharing
16 their valuable time. Thanks to the subcommittee
17 for their hard work on the report.

18 And finally, thanks to the entire Ag Advisory
19 Committee for welcoming me as your sponsor. Even
20 though this may be a temporary arrangement, I'm
21 thrilled to have the opportunity. With that we'll
22 turn it back to Summer to facilitate opening

1 remarks from my fellow Commissioners. Thank you.

2 MS. MERSINGER: Thank you Commissioner Stump.

3 Next up is Commissioner Quintenz. Commissioner

4 Quintenz, you have the floor.

5 COMMISSIONER QUINTENZ: Thank you very much,

6 Summer. First, let me thank Commissioner Stump for

7 taking on the responsibility of serving as the

8 sponsor of the Ag Advisory Committee, while also

9 maintaining her sponsorship of GMAC. These are

10 complicated assignments, require a lot of thought

11 and planning and work. And Commissioner Stump - the

12 Ag Advisory Committee is in very good hands and I

13 appreciate your interest in making sure that it can

14 meet and consider the work on a timely basis. So

15 thank you.

16 I'd also like to thank Summer and Christa on a

17 staff level for their tireless work in convening

18 all of the meetings, especially the one we have

19 today.

20 And let me just lastly say a special welcome

21 to all of the members. I particularly look forward

22 to the Agricultural Advisory Committee meetings

1 because I get to see so many folks with whom I feel
2 like I've been able to develop a strong
3 professional, as well as in many cases, personal
4 relationships and friendships over my time here at
5 the Commission, and I've had the opportunity to
6 visit a number of you on your farms, ranches, or
7 places of business. And it's always good to
8 reconnect.

9 Let me also thank you for the extraordinary
10 work you did on behalf of the American public, the
11 American consumer, American families by making sure
12 that we could put food on the table during the
13 extraordinary pandemic. You're heroes of this last
14 year and a half and I'd like to recognize you here.
15 Thank you for everything that you've done and that
16 you continue to do. Thanks very much.

17 MS. MERSINGER: Thank you Commissioner
18 Quintenz. Commissioner Berkovitz, you have the
19 floor.

20 COMMISSIONER BERKOVITZ: Thank you Summer.
21 And thank you Commissioner Stump for sponsoring
22 this Committee and taking on this assignment. I

1 think you mentioned previous chairs of the Advisory
2 Committee and the admiration and respect you have
3 for those previous chairs, so I think that I could
4 speak for all the Commissioners and say that the
5 feeling of us extends to the current chair of the
6 Committee in terms of admiration and respect, and
7 so we thank you for your leadership on this
8 committee.

9 Agricultural products and agricultural futures
10 contracts are really the origin of the futures
11 markets going back a century and a half now,
12 approximately. So this -- really no pun intended,
13 is the bread and butter of our work, and the issues
14 that the agriculture industry faces in terms of
15 using the futures markets to manage their risks and
16 discover prices is really central and key to what
17 we do here at the CFTC and the ability of these
18 markets to work for the agricultural community is
19 absolutely critical importance to us. It's of
20 critical importance to American families in their
21 daily lives. If we go into the supermarkets, if we
22 go to restaurants, and we've certainly had an

1 extraordinary year and a half of challenges in
2 many, many sectors and the agricultural sector
3 certainly faced some of those key challenges and
4 continues to face those today.

5 So the topics today are of utmost interest and
6 utmost importance to this country and American
7 citizens, and I thank the members of this Committee
8 for their work above and beyond, it's unpaid.
9 There's no remuneration for it. It's volunteer
10 service in the public interest. And so, I'd just
11 like to thank all the members of the Committee,
12 everybody who participates and volunteers their
13 time in this greater public interest to really work
14 on the important issues for the CFTC, for the
15 Committee, and for the American public.

16 So with that, I'm looking forward to the
17 meeting and thank you all very much.

18 MS. MERSINGER: Thank you, Commissioner
19 Berkovitz.

20 And before we get started with today's agenda,
21 we're going to go through a roll call vote.
22 Committee members, when I call your name, please

1 unmute your phone and you also have to unmute your
2 WebEx. So it's kind of a double unmute process.
3 So when I call your name, please unmute, and
4 indicate that you are present.

5 First up, Buddy Allen, American Cotton
6 Shippers Association.

7 MR. ALLEN: Present.

8 MS. MERSINGER: Thank you, Buddy. Joe Barker
9 with National Council of Farmer Cooperatives.

10 MR. BARKER: Present.

11 MS. MERSINGER: Thank you. Chris Betz
12 Michigan Agri-Business Association.

13 MR. BETZ: Present.

14 MS. MERSINGER: Thank you. Larry Bergen,
15 National Farmers Union.

16 (No response.)

17 MS. MERSINGER: Larry are you on? I'll check
18 back after we go through the roll call. Robbie
19 Boone, Farm Credit Council.

20 MR. BOONE: Present. Good morning.

21 MS. MERSINGER: Good morning. Amanda Breslin,
22 Coalition for Derivatives End Users.

1 (No response.)

2 MS. MERSINGER: Let's check back for Amanda.
3 Patrick Coyle, National Grain and Feed Association.

4 MR. COYLE: Present.

5 MS. MERSINGER: Thank you Patrick. Rob
6 Creamer, Futures Industry Association/Principal
7 Traders Group.

8 MR. CREAMER: Present.

9 MS. MERSINGER: Thank you. Robert Crosby,
10 Managed Funds Association.

11 MR. CROSBY: Present.

12 MS. MERSINGER: Thank you. Neil Dierks,
13 National Pork Producers Council.

14 (No response.)

15 MS. MERSINGER: I think they actually have
16 their annual meeting today. Ed Elfmann, American
17 Bankers Association.

18 MR. ELFMANN: Present.

19 MS. MERSINGER: Thank you. Jim Fryer,
20 National Cattlemen's Beef Association.

21 (No response.)

22 MS. MERSINGER: Edward Gallagher, National

1 Milk Producers Federation.
2 (No response.)
3 MS. MERSINGER: Tommy Hayden, Commodity
4 Markets Council.
5 MR. HAYDEN: Present.
6 MS. MERSINGER: Matt Hines, American Farm
7 Bureau Federation.
8 MR. HINES: Present.
9 MS. MERSINGER: Thomas Hogan, Cocoa Merchants
10 Association of America.
11 (No response.)
12 MS. MERSINGER: Cynthia Nickerson, USDA,
13 Office of Chief Economist.
14 DR. NICKERSON: Present.
15 MS. MERSINGER: Tom Kadlec, Futures Industry
16 Association.
17 MR. KADLEC: Present.
18 MS. MERSINGER: Chris Klenklen, National
19 Association of State Departments of Agriculture.
20 MR. KLENKLEN: Present.
21 MS. MERSINGER: Ron Lee, National Cotton
22 Council of America.

1 (No response.)

2 MS. MERSINGER: Randy Melvin, National Corn
3 Growers Association.

4 (No response.)

5 MS. MERSINGER: Erin Morris, USDA,
6 Agricultural Marketing Service. Erin you might
7 want to double unmute. We'll come back to you.

8 MS. MORRIS: Now can you hear me?

9 MS. MERSINGER: Yes, yes. There you are.
10 Thank you.

11 MS. MORRIS: Sorry about that.

12 MS. MERSINGER: That's all right. John Owen,
13 USARice Federation.

14 MR. OWEN: Present.

15 MS. MERSINGER: Brandon Wipf, American Soybean
16 Association.

17 MR. WIPF: Present.

18 MS. MERSINGER: Paul Riniker, National Farmers
19 Organization.

20 (No response.)

21 MS. MERSINGER: Mark Scanlan, Independent
22 Community Bankers of America.

1 MR. SCANLAN: Present.

2 MS. MERSINGER: Stephen Strong, North American
3 Export Grain Association.

4 (No response.)

5 MS. MERSINGER: Justin Tupper, U.S.
6 Cattlemen's Association.

7 MR. TUPPER: Fellow South Dakotan and present
8 Summer.

9 MS. MERSINGER: Good to hear from you. Hayden
10 Wands, American Bakers Association.

11 (No response. MR. WANDS later indicated he was
12 present via email.)

13 MS. MERSINGER: Ryan Weston, American Sugar
14 Alliance.

15 MR. WESTON: Present.

16 MS. MERSINGER: Chris Young, International
17 Swaps and Derivatives Association.

18 MR. YOUNG: Present.

19 MS. MERSINGER: Let's go back and through and
20 do a double check on a few people. Larry Bergen,
21 are you on the phone?

22 (No response.)

1 MS. MERSINGER: Amanda Breslin?
2 (No response.)
3 MS. MERSINGER: Do we have Jim Fryer?
4 (No response.)
5 MS. MERSINGER: Ed Gallagher?
6 (No response.)
7 MS. MERSINGER: Thomas Hogan?
8 (No response.)
9 MS. MERSINGER: Ron Lee?
10 (No response.)
11 MS. MERSINGER: Paul Riniker?
12 (No response.)
13 MS. MERSINGER: Stephen Strong?
14 (No response.)
15 MS. MERSINGER: Hayden Wands?
16 MS. MERSINGER: Hopefully they can join us
17 later. With that, thanks again to the Committee
18 and to the Commissioners for making time to take
19 part in this important meeting today. We know that
20 this is a particularly busy time of the year for
21 those engaged in agriculture production and we
22 really appreciate your presence.

1 As noted in today's agenda, we will start with
2 the discussion on the final report of the
3 Subcommittee to Evaluate Commission Policies with
4 Respect to Implementation of Amendments to
5 Enumerated Agricultural Futures Contracts with Open
6 Interest, easier said the Ag-OI Subcommittee.

7 I'm going to turn the floor over to Christa
8 Lachenmayr, the Alternate Designated Federal
9 Officer for the Ag-OI Subcommittee.

10 Go ahead Christa.

11 MS. LACHENMAYR: Thank you Summer. I'm very
12 pleased to introduce our Subcommittee Chair, Dr.
13 Joe Janzen, to present a summary of the Ag-OI
14 Subcommittee's work, its findings and
15 recommendations. Can we have the presentation
16 loaded and give Joe control of the slides?

17 Joe, please begin when you are ready.

18 DR. JANZEN: Sure. While we're waiting for
19 the slides, I'll just start by thanking the
20 Commissioners and especially to the Commissioner
21 Stump for her sponsorship of both this Ag Advisory
22 Committee and our Subcommittee, whose name I will

1 not continue to repeat due to ... due to its length.
2 I want to thank you all for your consideration of
3 the report and of this presentation.

4 So my name is Joe Janzen. I'm a Professor of
5 Agricultural Consumer Economics here at the
6 University of Illinois, here in Urbana-Champaign.
7 I've served as the chair of this committee and
8 worked alongside 21 other members, plus Commission
9 staff to prepare the report that we submitted. The
10 report wouldn't exist without the hard work of the
11 Commission staff and especially Christa Lachenmayr
12 and Summer Mersinger. It also couldn't have been
13 prepared without the Subcommittee members, who I
14 won't go through and thank by name but they, again,
15 willingly volunteered their time, their effort,
16 knowledge and wisdom.

17 I want to say every single member provided
18 candid and constructive input into this process and
19 the report that you're going to hear today reflects
20 a consensus outcome across that ... the diverse
21 membership of this subcommittee.

22 So today if I can advance the slides --

1 STAFF: If you go to the left of your screen,
2 hover, there are up and down arrows.

3 DR. JANZEN: There we go. Perfect. Thank
4 you.

5 All right. So I want to just talk today about
6 why the Subcommittee was formed. some of the
7 issues at-hand was describing really what was at
8 play here, how the Subcommittee went about
9 addressing those issues. So the process and
10 procedure, and then just describe our findings and
11 recommendations that you're being asked to consider
12 and possibly endorse.

13 I also want to leave enough time for a robust
14 discussion of the report, including time for
15 questions. As a preview, I'll say the Subcommittee
16 found that the current process for evaluating
17 changes to agricultural futures contracts with open
18 interest works well to support necessary change
19 that preserves the integrity of our markets. And
20 that the Commission's role in this process is
21 generally trusted. However, there are some areas
22 where current practices could be improved or

1 formalized.

2 And so, our report makes six recommendations
3 that I'll share with you today.

4 At the heart of the committee's work is ... is a
5 trade-off. Futures contracts are useful when they
6 represent the value of the commodity across time
7 and space. They represent commercial practice
8 within the trade of that commodity. But because
9 market fundamentals change, futures contracts must
10 change. These markets wouldn't have persisted for
11 now over 150 years, unless they could adapt to
12 changing market fundamentals. The adaptation
13 process is not something that occurs once in a
14 generation. It's not a once in a blue moon thing.
15 It's a process of constant monitoring, evaluation,
16 and updates.

17 For example, in the last 14 years there have
18 been 112 approved amendments to agricultural
19 futures contracts with open interest. These
20 changes occur because they're necessary to achieve
21 the goals held in common by the exchanges, market
22 participants, and the Commission. Namely, the

1 mission to foster price discovery and enable risk
2 management.

3 Related to those goals, are a set of core
4 principles found in regulation and each of the
5 parties at play here - the exchanges, market
6 participants, and the Commission - want markets to
7 comply with those core principles. Those are, I
8 think, widely agreed upon principles for managing
9 our markets. In the case of enumerated
10 agricultural commodities, the kind that we're
11 considering here today, the CFTC provides
12 additional oversight through formal approval of
13 those changes.

14 So all parties want timely implementation of
15 these changes to foster price discovery and achieve
16 compliance with those core principles. However,
17 changing the terms and conditions of a futures
18 contract may be a disruptive process and creates
19 this trade-off. Necessary changes to achieve
20 regulatory compliance may have a material impact on
21 the value of existing positions. Should they be
22 applied to existing open interests, to contracts

1 that have already traded and have a willing buyer
2 and a willing seller?

3 So here, when I say a material impact, I mean,
4 an impact that would materially affect the price
5 and thus the value of the position. Okay.

6 So in weighing that trade-off, exchanges and
7 market participants typically identify needs for
8 changes and try to manage that trade-off as best as
9 possible prior to submitting an amendment to the
10 CFTC. What types of amendments might they submit?
11 What types of -- how do you change futures
12 contracts?

13 We kind of really binned these things into a
14 number of buckets, but the primary one relates to
15 things around the delivery process. And this is
16 why -- you can see why -- these, these terms might
17 have a material impact on the value of the
18 commodity because they pertain to the terms and
19 conditions and the types of commodity that's
20 deliverable against the futures contract, and
21 really gets at that nexus between both physical and
22 futures markets. So really connecting the cash and

1 futures.

2 There are other changes related to things like
3 risk controls, so price limits and trading halts,
4 and also another set - a large set of changes -
5 related to position limits, which also have a
6 material impact on the value of the futures
7 contract.

8 So these types of changes are being submitted
9 to the Commission for approval, except in limited
10 cases where they maybe don't apply to existing open
11 interest or a few other very limited exemptions.
12 But the Commission really asked for input here in
13 terms of thinking about how they can best manage
14 this process so that it is both effective and
15 efficient in complying with core principles and
16 fostering price discovery and risk management.

17 Complicating this is a lengthening listing
18 cycle for -- in the case of many agricultural
19 futures contracts, where there's significant open
20 interests, further out in deferred -- in trading
21 for deferred month delivery.

22 So this graph just shows the share of open

1 interest that's more than 12 months from delivery.
2 We can see that in the case of some of our
3 agricultural markets, this is a pretty significant
4 share of open interest in the last 15 years. This
5 has been up to 17 percent of open interest in the
6 corn market and a smaller, but significant share
7 across the grains, maybe less so in livestock. But
8 still, this could comprise a substantial share of
9 the position that any one trader might hold in a
10 particular commodity, and thus, the concern about
11 these material impacts on the value of the
12 contract.

13 So if we want to make timely change, that's
14 going to be more difficult when there's open
15 interest in, say, the corn futures market two,
16 three, four years out. We can't just sort of put
17 off those changes until they no longer apply to
18 open interest.

19 Okay. So what did the Subcommittee try to do?
20 What were our objectives?

21 When we sat down initially, we laid out, I
22 think, the following ... the following sort of

1 objectives for how we would tackle this issue. We
2 wanted to maintain a focus on Commission policy and
3 procedure. So while individual market participants
4 might have opinions about what exchanges should do,
5 what other market participants should do, and sort
6 of around the horn, our focus was really on what
7 can the Commission do to make this process more
8 effective and efficient.

9 We wanted to develop consensus-based
10 recommendations. And so, really trying to find
11 common ground among a diverse membership. In
12 addition, we sought to be forward-looking. So to
13 focus on how the process could be improved going
14 forward rather than re-litigating past changes that
15 people might have opinions about whether that was
16 handled well or handled poorly, but use some of
17 that past experience. And so, we spent some time
18 reviewing the history of past changes, and past
19 amendment approvals in order to inform our
20 deliberations.

21 And then finally, a broader goal to improve
22 market quality and to mitigate risks for all

1 parties. So all parties may have sort of concerns
2 about possible amendments that may occur in the
3 future or the need for possible change, and we want
4 to sort of manage that change in a way that
5 mitigates risk to all parties.

6 Okay. So briefly, what did the Subcommittee
7 do? Sort of here's a timeline of our activities.
8 So last fall the Commission approved the
9 Subcommittee, published a notice in the Federal
10 Register calling for nominations for membership and
11 put together a group. And I want to thank the
12 Commission, both the Commissioners and staff for
13 convening a group of both willing and wise
14 participants who really were representative of the
15 participants in our agricultural futures markets,
16 both on the, sort of, on the commercial and non-
17 commercial side, across a wide range of
18 commodities.

19 If anything, there's an emphasis in the
20 committee on commodity representation. So making
21 sure that issues that pertain to large markets,
22 small markets, all of those things were taken into

1 consideration. If anything, there's an emphasis in
2 the committee on commercial participants who are
3 active in the delivery process. And I think the
4 reason for that goes back to the history of changes
5 that have been made to futures contracts with open
6 interest, namely that a lot of those rule changes
7 pertain to the delivery process.

8 Starting in early December we began a series
9 of what ended up being seven meetings by
10 teleconference. An initial set of informational
11 meetings where we heard presentations from the
12 exchanges who are the ones submitting these changes
13 and developing the specifics of these rule changes.
14 And then from Commission staff, who are doing the
15 evaluation and then we sort of brought together our
16 opinions via group discussion, via a set of surveys
17 and informal votes. And I want to, again, thank
18 the Subcommittee members for their active
19 participation when that wasn't always easy because
20 of the fact that we were meeting entirely remotely
21 due to the pandemic.

22 After Christmas, we circulated a draft report

1 and iterated through that as a committee and sort
2 of concluded that process in early March. The
3 report that we developed was finalized and adopted
4 in -- on April 21st via unopposed vote of the
5 committee. And now we're here to you today.

6 So I want to say that this process moved, I
7 think, relatively quickly for a committee of 22
8 people. But I think that speaks to the willingness
9 of all sides to engage and to sort of see the other
10 side of some of these issues and develop a
11 consensus-based set of recommendations.

12 So just to really get into the meat of the
13 report, we, again, find that the current process
14 tends to work well. These changes to our
15 agricultural futures markets tend to move
16 relatively smoothly through this process and make
17 changes that are necessary to maintain market
18 integrity. If anything, market participants and
19 exchanges really value Commission engagement in the
20 process both before and after a submission. And we
21 find that that engagement is beneficial. It helps
22 the process move forward more efficiently.

1 There was some consideration of ways to make
2 the process potentially more efficient by saying,
3 you know, let's treat some of these changes, which
4 may not have a material effect on open interest and
5 define this concept of materiality and say, these
6 changes aren't going to affect the value of a
7 futures contract. We can move, fast track these
8 through the approval process, something like that.
9 And that was found to generally be overly
10 prescriptive and incompatible with a principles-
11 based system of regulation. So the committee
12 thought, really sort of -- having considered that
13 issue in great detail, saw the value of a
14 principles-based regulatory regime and upheld that
15 and decided that that's something we don't want to
16 change. I think there could be a whole host of
17 unintended consequences to such a change.

18 As well, the guidance that's used by the
19 Commission to evaluate proposed changes is
20 generally useful and encompasses what we would
21 want, how we would want these changes to be
22 evaluated, but often requires sort of a process of

1 continual approval, improvement, and updating to
2 remain relevant. And we identify a couple of
3 specific instances where that might be the case.

4 So with that, I'll go through our
5 recommendations.

6 The first set of recommendations really hit
7 two areas related to, again, how the Commission
8 deals with exchanges and market participants, and
9 really sort of seeks to foster transparency and
10 openness in how the Commission does its evaluation,
11 carries out its evaluation, and also how it just
12 engages with the public generally, and participates
13 in the process of both identifying necessary change
14 and bringing that change to fruition.

15 So we would recommend that, to the extent
16 possible, the Commission provide information on
17 which markets are subject to this approval process
18 and information related to past determinations of
19 sort of approval and the materiality of a change so
20 that market participants have a better idea of when
21 this approval process kicks in, and how that
22 approval process is carried out, and can set

1 expectations going forward about the future,
2 because we know that market fundamentals will
3 change and thus we will need to make changes to the
4 terms and conditions of agricultural futures
5 contracts going forward.

6 Secondly, there should be a more systematic
7 process of engagement with market participants,
8 specifically that the market participants value the
9 engagement that the Commission carries out, but a
10 lot of that is maintained informally and sometimes
11 there can be value to formalizing that process.
12 For example, defining the conditions under which,
13 say, a formal public comment period would be used
14 to gather market participant feedback and really
15 sort of permitting, to the extent possible, and in
16 an efficient manner as possible, the consideration
17 of as wide a set of viewpoints as is feasible.

18 Thirdly, the Commission should develop
19 guidance and policy related to its dialogue with
20 exchanges and market participants prior to and
21 following formal submission. So there was a sense
22 the participants want to know how the Commission

1 will engage and if there's anything that can be
2 done to sort of describe that process and ensure
3 that the Commission is engaging both regularly and
4 in a consistent fashion that would be valued.

5 Finally, in the spirit of sort of mitigating
6 risk, updating the risk disclosures that are given
7 to market participants related to this area of
8 potential changes to contracts that have open
9 interest. So making market participants aware that
10 timely change, necessary change, may happen to
11 contracts with open interest. And that's a risk
12 that must be borne in taking a position, especially
13 if a position in these long-deferred month futures
14 contracts.

15 Finally, we have -- turning from sort of how
16 the Commission engages with the public to its
17 actual evaluation process. We, again, would
18 recommend that we maintain a principles-based
19 approach, concentrating attention on changes, more
20 likely to be material, that is, changes that are
21 more likely to impact the value of an existing
22 position, but there's not sort of a way that we

1 can, sort of, from top-down -- we would want a top-
2 down approach to defining that materiality. Again,
3 the recommendation here is to, again, encourage the
4 use of a principles-based approach.

5 Finally, that the Commission should
6 continually improve its guidance to reflect current
7 market conditions and contract specifications such
8 as -- one instance that we identified, the use of
9 self-adjusting contract terms, things like
10 adjustable price limits, changing storage rates.
11 When those terms can adjust, that situation is not
12 really -- it's not really considered in existing
13 guidance, and that may be a situation where the
14 Commission should review its staff policy and
15 guidance in that area and define the criteria that
16 it will use for evaluation.

17 Those are the recommendations that we've put
18 forward. I summarize them here, but again, I want
19 to sort of highlight two things. One, the
20 Subcommittee finds that the current process is not
21 broken. The current process works well. It does
22 foster compliance with core principles. It does

1 align contract terms with common commercial trading
2 practices, and it does weigh the interests of
3 exchanges and market participants who don't always
4 hold the same views and it can consider the
5 relative weight of all those views in developing
6 Commission action with respect to changes,
7 necessary changes, to our agricultural futures
8 markets.

9 With that, I'll turn it over to the committee
10 members who I hope can engage in a robust
11 discussion of these recommendations. So I thank
12 you for your consideration.

13 Thank you, Christa and Summer, again, for your
14 hard and tireless work in this area.

15 MS. LACHENMAYR: Thank you, Joe, for all your
16 hard work in facilitating and synthesizing the
17 discussions of the Subcommittee into this report
18 and recommendations. We really appreciate that you
19 were holding the pen on this and that is definitely
20 a large responsibility, so we appreciate it.

21 I would also like to thank the Subcommittee
22 members as well for the time and thoughtfulness

1 that they put into this endeavor. And I'd like to
2 thank former Chairman Tarbert and Commissioner
3 Stump, and Summer Mersinger for their support of
4 this important initiative.

5 So at this time I'd like to open the floor to
6 discuss some of the key recommendations that arise
7 from this report. Please either enter your
8 questions into the chat box or unmute your phone
9 and WebEx to be recognized.

10 (No response.)

11 Don't everybody start at once.

12 MR. ALLEN: Good morning. On behalf of
13 American Cotton Shippers Association, this is Buddy
14 Allen. I want to thank the Chairman of the
15 Subcommittee, and on behalf of Azeez Syed, who
16 represented us on that subcommittee. A job well
17 done, as you said, there was consensus and we're
18 supportive. So thank you for your service.

19 MR. BARKER: Thank you.

20 So if we have no discussion, I just want to
21 make a motion that we vote on the Subcommittee
22 report.

1 MS. LACHENMAYR: Let me go -- do the
2 Commissioners have any questions or any other
3 members have any additional comments or questions
4 on the report?

5 (No response.)

6 MS. LACHENMAYR: Okay. Because Joe was a
7 Subcommittee member, the motion does not need to be
8 seconded. Are there any -- so we ask for any
9 further additional comments and AAC members are you
10 ready to consider this question? I just need a yes
11 from someone. (Let the record reflect that MR.
12 BARKER is able to make a motion without a second
13 because he is a member of both the Ag-OI
14 Subcommittee and the Agricultural Advisory
15 Committee.)

16 UNIDENTIFIED SUBCOMMITTEE MEMBER: Yes.

17 MS. MERSINGER: Okay. We will now take a vote
18 on the motion that the AAC adopt the Subcommittee's
19 report and submit the report to the Commission for
20 consideration. As a point of order, a simple
21 majority vote is necessary for the motion to pass.
22 I will turn this over to Christa to conduct the

1 roll call vote. Go ahead Christa.

2 MS. LACHENMAYR: Okay. I'll start with Mr.
3 Buddy Allen.

4 MR. ALLEN: In favor.

5 MS. LACHENMAYR: Thank you. Mr. Allen votes,
6 yes. Mr. Barker?

7 MR. BARKER: Yes.

8 MS. LACHENMAYR: Mr. Barker votes, yes. Mr.
9 Betz?

10 MR. BETZ: Yes.

11 MS. LACHENMAYR: Thank you. Mr. Betz votes
12 yes. Mr. Bergen is not in the meeting unless he
13 lets us know otherwise. Mr. Boone, how would you
14 vote?

15 MR. BOONE: Yes.

16 MS. LACHENMAYR: Thank you. Mr. Boone votes
17 yes. Ms. Breslin did not indicate that she was in
18 the meeting, unless she tells us otherwise at this
19 point. We can go to Patrick Coyle, Mr. Coyle?

20 MR. COYLE: Yes.

21 MS. LACHENMAYR: Thank you, Mr. Coyle votes
22 yes. Mr. Creamer? We can come back to him.

1 MR. CREAMER: I'm sorry, I had a mute failure
2 there. I approve and support.

3 MS. LACHENMAYR: All right, Mr. Creamer votes
4 yes. Mr. Crosby?

5 MR. CROSBY: I vote yes.

6 MS. LACHENMAYR: Thank you, Mr. Crosby votes
7 yes. Mr. Elfmann?

8 MR. ELFMANN: Yes.

9 MS. LACHENMAYR: Thank you Mr. Elfmann who
10 votes yes. Mr. Jim Fryer, have you joined the
11 meeting?

12 (No response.)

13 MS. LACHENMAYR: Is Mr. Gallagher available?

14 (No response.)

15 MS. LACHENMAYR: All right. Mr. Hayden, how
16 do you vote please?

17 MR. HAYDEN: I'm in favor.

18 MS. LACHENMAYR: Mr. Hayden votes yes. Mr.
19 Hines?

20 MR. HINES: Yes.

21 MS. LACHENMAYR: Thank you very much. Mr.
22 Hogan is not in the meeting, unless he indicates

1 otherwise. Mr. Kadlec, how do you vote please?

2 MR. KADLEC: Yes, thank you.

3 MS. LACHENMAYR: Thank you very much, Mr.
4 Kadlec votes yes. Mr. Klenklen?

5 MR. KLENKLEN: Yes.

6 MS. LACHENMAYR: Thank you very much. Mr.
7 Klenklen votes yes. I don't believe Mr. Lee is in
8 the meeting. Have you joined us?

9 (No response.)

10 MS. LACHENMAYR: No. And I don't believe Mr.
11 Melvin is in the meeting either. Ms. Erin Morris,
12 how do you vote please?

13 Are you muted Ms. Morris?

14 MS. MORRIS: Yes, in favor. Thank you.

15 MS. LACHENMAYR: Thank you very much, Ms.
16 Morris votes yes. Dr. Nickerson, how do you vote
17 please?

18 DR. NICKERSON: Yes.

19 MS. LACHENMAYR: All right. Mr. Owen, how do
20 you vote please? John, are you there.

21 (No response.)

22 MS. LACHENMAYR: We can come back to Mr. Owen.

1 I don't believe Mr. Riniker is in the meeting. Mr.
2 Scanlan, how do you vote please?

3 MR. SCANLAN: Yes. Thank you.

4 MS. LACHENMAYR: Mr. Scanlan votes yes. Mr.
5 Strong, have you joined the meeting?

6 (No response.)

7 MS. LACHENMAYR: We can go back to you. Mr.
8 Tupper, how do you vote please?

9 MR. TUPPER: Yes.

10 MS. LACHENMAYR: I did receive an indication
11 that Hayden Wands votes in favor. Mr. Wands are
12 you able to vocalize your vote?

13 Okay, let the record show that Mr. Wands is
14 noting that he would vote in favor.

15 Mr. Weston, how do you vote please?

16 MR. WESTON: Yes.

17 MS. LACHENMAYR: Mr. Wipf, how do you vote
18 please?

19 MR. WIPF: Yes.

20 MS. LACHENMAYR: Mr. Wipf votes yes. Mr.
21 Young, how do you vote please?

22 MR. YOUNG: Yes.

1 MS. LACHENMAYR: All right. We have 19
2 affirmative votes. Let the record also show that
3 Mr. Dierks is not able to make the meeting and he
4 would have voted in favor if he had been able to
5 speak.

6 So we have 19 votes in favor and zero votes
7 against. And so, the motion carries.

8 MS. MERSINGER: Yes, the ayes have it. The
9 motion carries and the Ag-OI Subcommittee's report
10 has been adopted by the AAC and will be submitted
11 to the Commission for consideration. Thank you so
12 much again, Professor Janzen and Christa for all
13 your hard work.

14 Next up, we will hear presentations on the
15 International Agricultural Derivatives by
16 representatives from CME and the Futures Industry
17 Association. I will let the presenters introduce
18 themselves before we get started with the
19 presentation.

20 Owain, please feel free to get us, get us
21 started. Thank you.

22 MR. JOHNSON: Okay. hopefully you can hear

1 me. This is Owain Johnson. I am the Global Head
2 of Research of the CME Group based in London.

3 Right. Let's go. Lovely. Let's see if I can
4 make this work.

5 Anyway, we will be looking, firstly, at the
6 agricultural pricing concepts, and then we'll have
7 a little look after that at cash settlement. So
8 some of you have noticed astutely that we've been
9 listing a few more cash-settled contracts rather
10 than physically settled contracts in recent years.
11 So we've heard some questions about the theory
12 behind that in the concept. So I'm just going to
13 walk you through that briefly and then happy to
14 take any questions. Can we move to the next slide?

15 Excellent. Right. So agricultural futures as
16 you know go back -- agricultural derivatives,
17 particularly go back a very long way. So whenever
18 people will like to talk about, you know, how these
19 are modern and difficult, dangerous derivatives, I
20 say that the Mesopotamians were using derivatives
21 in 4,000 BC. They were taking clay tablets to the
22 market instead of taking the livestock themselves.

1 And then they would trade the clay tablets. There's
2 not a vast amount of difference between that and
3 what we do today.

4 So, you know, really this is, this is
5 something. Agriculture is the first of the asset
6 classes to be traded. It's the first tradable
7 asset class. It's the first exchange-traded asset
8 class. The 17th century saw Amsterdam and the
9 Dojima in Japan developed. And then really things
10 move to the next level in the 19th century in the
11 U.S., but this is the oldest exchange-traded asset
12 class. And I'm sure we're all very aware of that
13 glorious history, but there's an (audio loss).

14 Can we go forward? Lovely. Thank you.

15 So the cash-settled -- there have been cash
16 prices published for agriculture again, since the
17 18th century. So "The Public Ledger" is still
18 publishing today. You can see it on the right, it
19 doesn't look like that anymore. But that was just
20 in 1760. That's the longest running price
21 publication of anything, certainly, that I've come
22 across on the planet. And that's been publishing

1 agricultural prices.

2 Again, like we saw with the exchange world.
3 This was something that was born elsewhere, but
4 really taken it to the next level by the U.S. in
5 the 19th century. So you can start to see these
6 19th century publications emerge, "Urner Barry" is
7 still a force in the agricultural market, "The
8 Packer," is still a force in the fruit and soft
9 fruits market.

10 These big publications emerged in the 19th
11 century as the U.S. really took off as an
12 agricultural superpower. So I just wanted to give
13 you a sense that although you might think of cash
14 settlement as something new in the agricultural
15 markets, there have been price reporting agencies
16 for agriculture and cash publications for a very
17 long time now. A couple of hundred years, at
18 least.

19 And then you can see just in the last 20 or so
20 years, we've really seen the big global price
21 reporting agencies that came out of the energy
22 markets, moving to agriculture, and that's really

1 taking things to another level because those are
2 well-funded, well-capitalized price reporting
3 agencies.

4 But yeah, just to let you know, although the
5 cash settlement is maybe the younger brother of
6 physical settlement, it does also have a very long
7 and storied history. Okay. Next slide please.

8 So maybe some of you haven't come across this
9 term before, PRA, or price reporting agency. So
10 here's a definition for you. It's a firm that
11 assesses the fair price of commodities. They
12 report those values for a wider audience, and then
13 people can essentially do with those prices what
14 they like. They can use them for information.
15 They can use them to help do negotiations, but they
16 can also use them as an index to settle physical or
17 financial transactions.

18 This is something that really developed
19 aggressively in the 1970s in the energy markets
20 with all the massive volatility that we saw due to
21 disruption there. And also because the globalized
22 nature of the energy markets meant that it was very

1 hard for people to agree on a price. Prices were
2 out of date almost immediately. So what people did
3 was they said, rather than arguing about whether
4 something should be \$65 or \$64, they just said
5 Platts plus 30 cents or Argus minus 20 cents. And
6 they felt that that floating index would give them
7 all some comfort, irrespective of what happened in
8 terms of volatility. And it was just something
9 that everybody could agree on.

10 Now, we haven't really seen that traditionally
11 in agriculture, but we're starting to see a lot
12 more. If we move on to the next slide.

13 So again, I don't suppose anyone on the call
14 is unaware of this, but just to be clear what we're
15 talking about here, physical expiry, I provide you
16 with a commodity or you provide me with a
17 commodity. You make or take delivery so that the
18 actual futures flow into the spot or cash market.
19 There can be no difference between the two, because
20 one becomes the other. We would consider that
21 still to be the gold standard, obviously for
22 commodity markets. And it's something we're very

1 proud of that we host so many of these physically
2 settled markets.

3 Now cash on the other hand, at the end of the
4 month, we plus or minus -- we cash out against the
5 value of the index. So if I've sold at 60 and the
6 index comes out 70, then there's a cash adjustment
7 accordingly to someone who's taken the other side.
8 So cash passes hands -- from hand-to-hand rather
9 than commodities. That's the main difference.

10 Now, the key for cash obviously is that you
11 pick the good index because obviously the index has
12 to reflect the cash value in that market. You
13 know, I said just now that with physical futures,
14 it works very nicely because the futures become the
15 physical. I have to therefore be sure that my cash
16 index really reflects what's happening in that cash
17 spot market.

18 So as an exchange or for any of you that are
19 looking to trade on a cash futures basis, or that
20 even do cash indexation, you have to be very
21 confident in the index. You have to be very
22 confident in the methodology behind it. So that's

1 really crucial. Okay. Next slide please.

2 There we go. So as I said, this really began
3 in energy, this use of cash settlement, and then it
4 was taken up in metals. So why has agriculture
5 been relatively slow to adopt it? Given that I
6 showed you that we've had cash prices in
7 agriculture since 1760? Why has it taken so long
8 to be used as a contract basis?

9 But I think there's a few points here.
10 Physical deliveries work really well and you know,
11 although 1760 has been a long time, we've seen that
12 physical futures were in existence even before
13 that. It is a very well-established path that
14 people are very comfortable with. It's working
15 really well.

16 Agriculture, as well. There has been more
17 data available. Typically, USDA does a fine job.
18 There's been more intervention by government, so
19 there's been less drive for PRAs to emerge and to
20 price agricultural markets historically. There's
21 also a bit more vertical integration in the
22 agricultural markets than you get in some of the

1 other energy or metals markets. And also,
2 typically an oil tanker is worth more than a a
3 Panamax of grain.

4 So the profit levels that the energy firms
5 have generated over the years have been sufficient
6 to justify quite high PRA subscriptions and make
7 the energy PRAs quite profitable businesses. And
8 the agricultural markets have been less willing to
9 pay those fees typically. So there's been less of
10 an opportunity for the PRAs historically.

11 There's also great fragmentation, as I say
12 here, you've got hundreds of oil producers out
13 there, but you've got hundreds and thousands of
14 farmers. It's not realistic that a PRA is going to
15 sell a subscription for their price report to a
16 hundred plus thousands of farmers. So it's just
17 that great fragmentation at the base level has
18 slowed down the cash development, I would say. But
19 if we move to the next slide, we will see that
20 things are changing.

21 I think partly it is to do with the fact that
22 the world is getting more global. People want

1 benchmarks in different parts of the world, apart
2 from just in the U.S. or in Europe. And in those,
3 some of those locations, it's not always realistic
4 for the exchange to manage physical delivery for
5 various reasons. So that's one big factor.

6 So a good example of that would be the Black
7 Sea, which you see a nice chart of on the right,
8 the Black Sea. We did launch originally a physical
9 Black Sea contract, but problematic, difficult,
10 geopolitics intervened. We're having a lot more
11 success with the cash-settled contracts.

12 And there's a couple of other points. Really
13 agriculture and energy started to blur at the edges
14 with the energy transition: biodiesel, ethanol,
15 and biomass. So the oil guys that were the off-
16 takers of agricultural material, they were lots
17 more used to PRAs, and they were happy to use PRAs
18 for ethanol and biodiesel. So they kind of dragged
19 that through, into the agricultural market.

20 Energy PRAs were also looking for new
21 business. And I think just to that point, our
22 Black Sea contract worked really nicely. Australia

1 contracts worked quite well. You get this halo
2 effect. If it works, it's proved itself. Why not
3 try it? So, you know, people have been prepared to
4 try at least to understand cash settlement, to get
5 used to it because they've seen that we can
6 generate liquidity. We can generate new price
7 benchmarks in different regions. So I think that's
8 been a really valuable, success breeds success,
9 right? You get into a virtuous cycle.

10 So things have changed. Okay. Let's move
11 forward. So as a bit of background for you, we've
12 had a bit of background history of cash. Why we've
13 started using it now, why it's taken a while for it
14 to take off, let's have a look in some of the areas
15 we're using it.

16 So really kind of two key elements before the
17 -- I don't want to say the modern era and make us
18 all sound really old. But before the turn of the
19 century, were that we did update the Feeder Cattle
20 and Live Hog from physical to cash because of the
21 problems we were having on the physical side. And
22 those worked really well.

1 But as you can see, the last kind of 10 years
2 have really been where we're starting to see a big
3 surge in interest. So you saw the biggest of the
4 energy PRAs, Platts, entered the agricultural
5 markets and from there start to really push
6 aggressively on providing agricultural benchmarks
7 and CME responded to that by listing Australian
8 Wheat, Black Sea Wheat, eventually Soybeans.
9 We've been listing Rice. So we've listed the
10 number of these cash-settled contracts and we've
11 had a lot of success.

12 So there's been a lot of interest in the
13 traditional PRAs getting into agriculture. And at
14 the same time there's been a lot of interest from
15 us as the Exchange in listing to those contracts.
16 So again, somewhat of a virtuous cycle. Let's move
17 forward.

18 So when we come and make this decision and you
19 have Fred Seamon on the line who carries a lot of
20 the water in these decisions on our agricultural
21 research side. What the key decision for us is
22 before we start with product design, is -- is this

1 going to be physical or is just going to be cash?
2 And it's not that we have a strong preference,
3 either way. We're looking really at what will work
4 best.

5 So the key is delivery infrastructure. I use
6 the Black Sea as an example, are we confident in
7 the delivery infrastructure that we can manage in
8 the Black Sea or in that case would it be better
9 for a cash index to emerge? But equally, are we
10 confident in the cash index? And we confident in
11 the PRA? Are we confident in the methodology? Are
12 we confident they're accurately reporting the
13 market because as I said, it's really crucial that
14 that index reflects the spot value because it's
15 going to converge at the end of the month.

16 Obviously we have a regulatory requirements to
17 ensure that there's adequate deliverable supply,
18 that that convergence is accurate and works really
19 well. So these are all the questions we look
20 through. This is kind of our starting point for
21 any new product development. Okay. Next.

22 So just thinking here a little bit about the

1 kinds of products we've launched that have been
2 cash. So, you know, on that previous slide, that
3 was the menu we went through. That was kind of the
4 iteration we went through before we came up with
5 the decision, cash or physical? It was just
6 interesting to me to see what kind of commonalities
7 that were in those cash-settled listings. And it
8 would be that they tend to be located outside of
9 the U.S., obviously easier for us to manage
10 infrastructure within the U.S.; better oversight,
11 bankruptcy rules, whatever it might be.

12 Also, the other thing is that they tend to
13 trade the spreads of existing major physical
14 benchmarks. So when people trade Brazil Soybeans,
15 they're often trading it in relation to CBOT. Same
16 with Black Sea Wheat.

17 So it's not in any sense the case that these
18 cash-settled contracts will replace in any way, the
19 major physical benchmarks. That is not going to
20 happen. In fact, what they do is they enhance the
21 liquidity in the underlying physical products
22 because a lot of spreads trade and when a lot of

1 spreads trade you get increased liquidity on both
2 sides. So actually the more spreads we list, the
3 more cash-settled spreads, the more activity we get
4 in the core physical benchmarks we list.

5 Also, it makes sense in smaller markets for us
6 no to establish a chain of delivery locations for
7 Black Sea Sunflower Oil, it's obviously going to be
8 worth an economic -- we're going to have an
9 economic disincentive to do that relative to the
10 value of that contract, the amount that contract is
11 going to trade. So this does allow us, cash
12 settlement, to list smaller contracts, which
13 provide a super useful risk management tool for
14 certain participants in the market, which wouldn't
15 justify the major significant expenditure of
16 launching a physical contract and establishing
17 warehouses or delivery locations.

18 So, you know, it's a new concept.
19 Agricultural traders have grown up with physical
20 and they are still coming to terms in some cases.
21 So, you know presentations like this are really
22 useful. So thank you so much for having the time

1 for me to just try to explain what is happening
2 there and why we will be looking to do that. And
3 it's not competitive. Okay, next please.

4 Right. So as I said, this is nothing new.
5 We've had cash PRAs since 1760 and the energy and
6 metals markets have been doing this for decades,
7 successfully. It's easier in some ways to launch
8 product because it's quicker to market and you
9 don't need that on screen liquidity, often it can
10 be brokered. So that is a benefit.

11 But the absolute key decision for us is the
12 choice of the PRA and the choice of the index, the
13 methodology, the cash settlement. Because as I
14 said, the crucial thing is that convergence with
15 the cash market, without that these aren't valid,
16 they won't work. No one will use them.

17 The fact that they are working, people are
18 trading, and that liquidity is growing suggests
19 that they have a place and that people do trust
20 that index.

21 So these will not -- just to repeat, I cannot
22 be any clearer -- these will not replace existing

1 physical delivered benchmark contracts. They are
2 additive rather than a replacement, but they do
3 allow people to trade different spreads. Whether
4 it be quality, whether it be international, they
5 allow us to provide risk management in areas where
6 otherwise we wouldn't have been able to and that
7 then benefits through that spread mechanism, the
8 core benchmarks, the core physical benchmarks.

9 All right, I'll leave it at. Thank you so
10 much for the time. Fred and I are happy to take
11 any questions.

12 MS. MERSINGER: Thanks Owain. In the interest
13 of time, I think we're going to move ahead and have
14 Will go ahead and start his presentation and then
15 we'll follow up with questions at the end for both
16 presentations.

17 So, Will, do you want to go ahead and get started?

18 MR. ACWORTH: Sure. I just want to check.
19 You can hear me, right? Hopefully, yes?

20 MS. MERSINGER: Yes, we can hear you. Thank
21 you.

22 MR. ACWORTH: Great. First let me just say

1 thank you, Commissioner Stump, for inviting me to
2 join this discussion. To state the obvious, Ag
3 futures are shifting forms of the real economy and
4 one of the pillars of the industry that FIA
5 represents. I also want to thank Christa and
6 Summer for giving some guidance on what topics
7 might be of interest to this committee, and to
8 several members of the committee itself for some
9 very helpful feedback on our initial draft. To
10 state the obvious, however, any errors in this
11 presentation are purely the responsibility of yours
12 truly.

13 Just to give you a little bit of background on
14 FIA, in case those people who may be attending this
15 meeting who don't know FIA. We are the main trade
16 association for the listed and cleared markets. We
17 are headquartered in Washington, DC. We have
18 offices in Brussels, London, and Singapore, our
19 members include most of the major executing and
20 clearing brokers, as well as nearly all the
21 derivative exchanges around the world.

22 Our members also include a small number of

1 commodity producers and commodity merchants, some
2 of whom are representatives on this committee.
3 We're primarily an advocacy organization, we work
4 with regulators like the CFTC, to promote open,
5 fair, and competitive markets. I want to emphasize
6 that we also work within the industry to bring the
7 community together, it has been particularly
8 important in the last year or so, to share insights
9 on how these markets can grow and develop and to
10 promote common standards, so we can make the
11 trading and incurring of futures as efficient as
12 possible. Can we go to slide two?

13 So my presentation today is actually organized
14 into two parts. First, we're going to look at the
15 volume and open interest, and find the number of
16 contracts traded. Then we're going to look at the
17 same markets. This is part two, but from a
18 different perspective, we're going to try to look
19 at certain markets and measure the volume of
20 interest by metric ton equivalents, which, in my
21 view, is closer to how end-users look at these
22 markets. Go to slide three.

1 So very briefly, again, I'm sure you all know
2 this, but I'm going to clarify why volume? Why
3 open interest? There are really two different ways
4 of looking at market size, volume represents the
5 flow of transactions on an exchange and the open
6 interest is the number of outstanding positions,
7 which effectively is the stock outstanding at one
8 moment in time. Jumping head to the next slide.

9 I know I'm going very quickly. There's a lot
10 of slides here and I want to try to get to them
11 within the time frame that will allow some
12 discussion at the end.

13 So, just to emphasize the third bullet point
14 here, I just want to emphasize that the first part
15 of this presentation, makes no distinction or
16 contrast. That matches more or less how exchanges
17 and intermediaries see the world, but it doesn't
18 really make any difference, or doesn't distinguish
19 between contracts that are relatively small versus
20 large, and that's what we address in the second
21 part. Next slide, please.

22 Okay, so here's our first bit of data. So the

1 rest of this presentation, I'll be showing a lot of
2 charts that look like this. They're essentially
3 comparing markets in different jurisdictions. This
4 is based on the location of exchange, not the
5 customer, the exchange. As you can see the number
6 of contracts that trade in China -- that's on the
7 left -- is much larger than any other jurisdiction,
8 including the U.S.

9 On the right, you're seeing the same type of
10 data, but I've taken out China and the U.S., the
11 two largest, so you can see the distribution in the
12 rest of the world. Now what I want to highlight
13 here is that you have a very high degree of
14 fragmentation in terms of geography, but a high
15 degree of concentration in terms of products. For
16 example, that blue slice at the top there for the
17 EU, that consists of for example the Paris wheat
18 contracts, and the rapeseed contract that trade on
19 Euronext. The next slice the green one is the
20 really dominated by the softs that are traded on
21 ICE Futures EUA. The gray slice the bottom,
22 Malaysia, that's actually the palm oil contract --

1 primarily palm oil contract, that trades in Bursa
2 Malaysia. Singapore, naturally the home of one of
3 the most important rubber contracts. Next slide
4 please.

5 Okay, so here's the data behind those pie
6 charts. I don't think -- we obviously have time to
7 go through every single one of these -- but I did
8 want to highlight several key points here.

9 First, we've included the open interest, as I
10 said before that represents the kind of stock of
11 the open interest that's outstanding at year-end
12 2020. And if you compare the volume to the open
13 interest, you can see they're not correlated one-
14 to-one. One of the most important takeaways, at
15 least from my perspective, if we look at the
16 markets outside the United States. It's that many
17 of them are more geared to trading than to hedging.
18 Next slide.

19 So here's the visualization of open interest,
20 broken down by jurisdiction. And this is really
21 kind of the same type of view that we saw two
22 slides back on slide five, and right away you can

1 see the difference. The U.S. markets actually
2 hold, roughly 50 percent of the open interest in
3 all ag futures around the world. And China has
4 around -- well, the Chinese exchanges have around -
5 40 percent. Again, this doesn't represent the
6 customers. This is what the exchanges are
7 reporting, and what we are collecting, what we are
8 collecting from foreign exchanges.

9 Now if you contrast that to volume, which we
10 saw a few slides back. That was really kind of
11 80/20 ratio with China having around 80 percent and
12 the U.S. having about 20 percent. Next slide.

13 So the next two slides are ranking individual
14 contracts, so you get a sense of what are some,
15 what are the most, of the most heavily traded
16 contracts. The first one is based on volume. And
17 what we'll highlight here is that 12, out of those
18 15 contracts, are listed on Chinese exchanges. Now
19 only three are listed on U.S. exchanges. Also
20 worth noting, all of those Chinese contracts,
21 enjoyed double digit rates of growth in 2020,
22 compared to the previous year. Before they grew at

1 a triple digit rate. Next slide please.

2 So, same type of structure and type of
3 ranking, except this time we're ranking them based
4 on which contracts have the biggest open interest.
5 That's the column on the far right. And you can
6 see that the list changes quite a bit. The first
7 -- corn futures, traded on the Chicago Board of
8 Trade, which many of you know extremely well. It's
9 ranked number 11 by volume but jumps up to number
10 two in terms of open interest. Sugar futures,
11 again I know many people on this committee are very
12 focused on that. Sugar futures trade on ICE
13 Futures U.S., ranked number 15 by volume, but goes
14 up to number five by open interest.

15 One other point worth noting. When we rank by
16 open interest, three options contracts join this
17 list; corn, soybean, and sugar options. Those are
18 all traded on U.S. exchanges. I think it's worth
19 noting here that no other jurisdiction in the world
20 has such a well-developed and heavily used set of
21 agricultural options. China, about three to four
22 years ago, began introducing these options, and

1 they're starting to take off, and you also have
2 options on futures trading in many other markets in
3 the world.

4 So as we think about this going forward, we
5 may well want to start looking at the combination
6 of options on futures and futures as almost two
7 parts in one market. Next slide please.

8 So this is what we call a sunburst type of
9 visualization, essentially giving you a breakdown
10 of all of the trading volume and open interest
11 outside the United States, based on which sector of
12 the market it is, rather than jurisdiction or
13 exchange. The inner ring is essentially the sector
14 and the outer ring is the sub-sectors within that
15 sector. So, the largest one is the oil and oil
16 seeds and within that you can see that soymeal,
17 rapeseed, palm oil, soybeans themselves - that's
18 what makes up that kind of ring, as it were.

19 I think this gives you kind of bird's eye view
20 on which sectors of the agricultural economy are
21 most represented in the global futures trading.
22 Next slide please.

1 All right, in the next several slides I'm
2 going to try to give you some sense of the growth
3 trends and look at three in particular, that is oil
4 and oil seeds, grains, and the softs. It's just to
5 give you some sense for how things have changed
6 over those next five years.

7 So starting with oil and oil seeds, what you
8 see really here to me is on the trading side, China
9 is really driving the ups and downs. Trading
10 volume hit a record level last year, driven mainly
11 by China. Over on the open interest side also has
12 been rising pretty steadily, also set a record late
13 last year. Again driven primarily by an increase
14 in open interest in the Chinese exchanges. Next
15 slide, please.

16 I should pause here by the way, I believe that
17 copies of this deck, have been made available to
18 all members of the subcommittee. I realize I'm
19 flying through a lot of data here, and I'm hoping
20 that over time you can kind of digest these things,
21 and return perhaps, in later sessions.

22 But, grains. Here as well we see, you know, a

1 kind of a surge in growth in the second half of
2 last year. But what I think is particularly
3 interesting here is the size of the open interest
4 on the right. That orange band, that's the U.S.,
5 and I think it really does highlight how much the
6 U.S. market is used for risk transfer and risk
7 management, rather than just purely speculative
8 trading. Next slide please.

9 So, softs. To me, what's interesting here is
10 that it's not a bipolar world but rather a tri-
11 polar world. The InterContinental Exchange
12 operates two markets for sugar, coffee, and cocoa
13 futures, one in the US and one in the UK. And as
14 you can see from the chart on the right, that UK
15 market of open interest is roughly the same size as
16 the open interest in China, which I think
17 highlights one of the kind of really important
18 things to think about. It's not just the U.S.-
19 China story, it's really the agricultural markets
20 are linked together across a lot of national
21 boundaries. Let's go to the next slide which is
22 the beginning of Part Two.

1 So just to reiterate, we're adjusting for
2 contract size. I'm narrowing it down to just six
3 commodities and converting the contract volume of
4 interest into metric ton equivalents, which I think
5 gives you a better sense for the size of these
6 markets in the way that end-users -- commodity
7 merchants, producers, and consumers -- would think
8 about them. Next slide.

9 Starting with soy. So the next five slides
10 all relate to the soy complex, I promise you won't
11 go through all of them but I did want to provide as
12 much information as possible because the importance
13 of this complex to the agricultural industry, and
14 also because epitomizes some of the interesting
15 trends that we're seeing in particular the rise of
16 China as a center for price discovery.

17 So how does this conversion process work?
18 Just to be very clear. The first thing we do is
19 convert the underlying measure into metric tons.
20 That means taking bushels or pounds or short tons
21 and converting it to metric tons. And then second,
22 we multiply the number of contracts by the number

1 of tons to get that kind of size in terms of how
2 many metric tons it is.

3 Looking at this table, long story short, you
4 can see very clearly that the contracts listed on
5 the Dalian Exchange are much smaller than the
6 comparable contracts trading in the U.S. The U.S.
7 contracts range from three times larger to 12 times
8 larger, are all based on physical delivery, and as
9 Owain explained, very clearly that is the gold
10 standard for futures trading, and as members of
11 committee know very well, size really matters when
12 taking physical delivery. Next slide, please.

13 So how does the world look after we adjust for
14 size? Well, here's the same kind of visualization
15 that I was doing earlier except we're now looking
16 at the volume of this in terms of the metric tons.
17 The main takeaway here is that yes, the Chinese
18 contracts are smaller, but even so, the level of
19 trading in that market is an important part of the
20 global futures markets in the soy complex. What
21 we've heard from our members, is that even though
22 firms may not be able to access this market

1 directly, they're definitely looking at this
2 market, as another source for information about
3 supply and demand, and a very important what I
4 should say, the most important consumers of soy.
5 Next slide.

6 So growth trend over time. You know the main
7 takeaway here is that there actually wasn't that
8 much growth. It did pick up a little bit in the
9 second half of the year, but neither market is
10 setting any records. It also, I think, highlights
11 something interesting to think about, which is that
12 the -- of course, the Chinese market is rising and
13 falling in terms of trading activity, but over
14 time, you know, it's been a pretty consistent kind
15 of share of the global market, which suggests to me
16 that it's going to be around for a long time to
17 come, and is likely to become more important going
18 forward.

19 Can we jump to -- I think let's go two slides
20 forward to 35. One more. Again, just to save a
21 bit of time.

22 Well, okay, we'll go right to canola. So

1 canola and -- also known as rapeseed -- and palm
2 contracts, here we have a different cast of
3 characters in Rapeseed, on Euronext, which is the
4 largest agricultural futures market in Europe. In
5 the EU rather. And in palm, you have Bursa
6 Malaysia in Malaysia, obviously, and Asia Pacific
7 Exchange in Singapore.

8 Same conversion process, and similar kinds of
9 results. The Chinese contracts tend to be smaller,
10 although in this case, not that much smaller from
11 their international counterparts. Next slide.

12 So how does that break down? Right away you
13 see that these are very, very different types of
14 markets, the ICE and Euronext markets have a
15 relatively low share of the volume, but more than
16 half of the open interest, which again, highlights
17 the differing emphases between trading versus
18 hedging between speculating on the direction of
19 prices versus trying to manage your risk exposures.
20 Next slide.

21 Palm oil, is somewhat different, actually
22 quite different, particularly when you look at that

1 open interest chart on the right. It's really a
2 kind of 50/50 split, but they serve very different
3 customer bases. The Malaysian exchange, as many of
4 you know, has many international customers. The
5 exchange has had a very strong relationship over
6 many years, with CME. An there are a lot of People
7 are using the palm oil, they are using that Bursa
8 Malaysia contract to hedge their risk. On the
9 other hand, the Dalian Exchange is really serving
10 customers within China. And it's interesting to
11 see that both of them have roughly the same amount
12 of open interest. Next slide please.

13 Sugar and cotton. So, again, a similar kind
14 of pattern. We find that the contracts traded in
15 China are significantly smaller. However, there's
16 an important distinction. If you look at the
17 cotton contract, the Zhengzhou Commodity Exchange
18 contracts. The volume is larger than the
19 comparable contract traded in the U.S., even after
20 the conversion, which I defer to the experts on
21 this committee who knows a lot more about the
22 cotton industry than I do, but I think that

1 probably reflects the fact that China is such an
2 important force in the production, consumption, and
3 export economy. Next slide please.

4 Here's the sugar market. I'm sure my friends
5 in ICE would be happy to see this. They are really
6 the primary center for price discovery and risk
7 management. The Chinese market is really still
8 very much secondary to what trades on ICE in London
9 and in New York. Next slide, please.

10 Here's the cotton contract, or the cotton
11 market, I should say. You see again that the
12 Chinese contract is very large, even after
13 adjustments for size. It's certainly much larger
14 in terms of volume, and even when it comes to open
15 interest. It's almost a third the size of the U.S.
16 market. It's a pretty exceptional performance for
17 a much younger market. Next slide, please.

18 Wheat and corn. This is the last set I'll
19 talk about, I know this is near and dear to many of
20 your hearts. This is, again, a case where the
21 Chinese contract is significantly smaller, but so
22 is the Euronext contract, in the case of milling

1 wheat. And you can see how that affects the amount
2 of tons being traded over on the second columns on
3 the right. Next slide.

4 This I think is, to me, a pretty interesting
5 indication that even though you have markets that
6 are two markets that are, you know, -- there are
7 very few barriers to access. I am sure there are
8 many there are global trading firms very active on
9 the Euronext market. It doesn't mean that one
10 replaces the other. Each one of these contracts,
11 reflects differences in specifications differences
12 in the types of wheat, differences in delivery
13 locations.

14 Also, currencies, and I think that illustrates
15 something that Owain said -- discussed before, and
16 we've heard about from our members which is that,
17 you know, it's not a zero-sum game. Instead it's
18 more a situation where it provides that additional
19 granularity for price discovery and risk
20 management. Next slide, please.

21 Corn. Well corn here is probably the least
22 interesting chart of the whole bunch because really

1 it's -- the CBOT contract is just so important, and
2 so much larger than any competitors outside the
3 U.S. The Dalian Exchange does indeed have a
4 contract, but it remains relatively at one-seventh
5 of the size that you see on the Chicago Board of
6 Trade. Next slide.

7 Well, that brings me to the end. I would
8 certainly welcome, we here at FIA would certainly
9 welcome any follow up questions you may have. We
10 provide this type of data to our members on a
11 regular basis. We don't do this kind of analysis
12 on a regular basis, but we certainly provide the
13 data and we're more than happy to share the data
14 with the CFTC and other policymakers.

15 I did want to -- I did want to kind of
16 summarize my presentation with a few kind of
17 overall observations.

18 First, as we've seen, China now has a very
19 large agricultural futures market that covers a
20 wide range of sectors. Second, no other
21 jurisdiction comes close except the U.S. Third,
22 China, or the Chinese markets, differ from the U.S.

1 markets in these two important ways: one, the
2 contract tend to be smaller and two, more of a
3 trading comes from speculation, rather than
4 hedging. Fourth, agricultural futures trading in
5 the rest of the world is highly fragmented by
6 geography and highly concentrated in terms of
7 liquidity.

8 As I mentioned earlier, pretty much all the
9 palm oil trading is in Malaysia, all the sugar
10 trading outside the United States is in London.
11 All the wheat trading is in the EU. Rubber trading
12 in Singapore and Japan, and so on and so on. In
13 certain sectors, such as corn, soybeans and sugar,
14 U.S. markets are currently the global center for
15 price discovery and risk management, but in other
16 sectors, such as palm oil, the U.S. relies entirely
17 on foreign markets for those functions.

18 So I think if we draw any conclusions from
19 these data is that cross-border access is
20 critically important. A point we've been making
21 here the FIA for many, many years but it bears
22 repeating. Improving cross-border access is a win-

1 win. It's positive for the end-users who need
2 access to these tools for risk management, and it's
3 a positive for the markets themselves in the sense
4 that more participation, leads to deeper pools of
5 liquidity and better price discovery.

6 And with that, thank you very much and I look
7 forward to questions.

8

9 MS. MERSINGER: Thank you Will, and if anyone
10 has questions for Will or Owain or Fred, please at
11 this time, unmute your line and go ahead and ask.
12 Thank you.

13 MR. OWEN: Will, this is John Owen. I was
14 curious why you don't think there is an active
15 futures market for rice in China?

16 MR. ACWORTH: Excellent question. There is a
17 futures market for rice. I didn't show it here, to
18 be honest with you. It doesn't come up into that
19 list of the top 15, but there is an active futures
20 market for rice, I believe, but I'd have to check
21 my data. I'd be more than happy to get back to you
22 with the exact figures and the growth rate over the

1 last five years.

2 MR. OWEN: Thank you.

3 MR. BARKER: This is Joe Barker. I just
4 wanted to thank Will and the FIA for this great
5 summary of the data. The growth in the global
6 futures markets is a clear trend. Access to these
7 markets is going to be important to agriculture
8 hedgers going forward. For example, on one of your
9 slides, you showed the egg futures. Currently,
10 there's not an egg futures listed on a U.S.
11 exchange, and there are many producers that feed
12 chickens corn and soybean meal, but they sell eggs.
13 And so their access to risk management is not as
14 good as some other agricultural producers.

15 So I just want to encourage the CFTC to
16 continue the work you've been doing on cross-
17 jurisdiction, regulations. Transparency, of
18 course, you know, if we're going to trade in China,
19 we want to make sure that those markets are fair
20 and transparent to all market participants and work
21 on market access to these global exchanges.

22 I think this is a very important topic and

1 maybe where the puck is going for some of these
2 markets, at least. So thank you.

3 MS. MERSINGER: Thanks, Joe. Anyone else have
4 a question or a comment?

5 COMMISSIONER STUMP: This is Commissioner
6 Stump, I didn't know if you were going to turn the
7 Commissioners or if we should just jump in here. I
8 thought that - I don't know if it's possible to
9 pull up the slide deck again and go back to cotton
10 slide because Will, I thought it was really
11 interesting. And I know you're limited on time
12 today, but you had actually asked a question
13 relative to the trend we see with regard to cotton
14 and the large presence we see of the cotton, I
15 think, volume and open interest outside of the
16 United States.

17 But I'm just curious if anyone else from the
18 committee wanted to address that. And if not,
19 that's fine. I just, I felt like that was a very
20 good question that you presented, Will, and I would
21 be curious to know also if others on the committee
22 have input as to the significant trading presence

1 on the Chinese exchange with regard to cotton.

2 MR. HAYDEN: Thank you Commissioner Stump.
3 This is Tommy Hayden. David Rossen is a panelist
4 coming up and may be better served to answer that.
5 David, I'll call on you if you want to make a
6 comment, you may be addressing that later in the
7 meeting.

8 COMMISSIONER STUMP: And we can certainly
9 cover it later. I just wanted to offer the
10 opportunity.

11 MR. ROSSEN: Hi, Commissioner Stump. This is
12 David Rossen. Can you guys hear me?

13 COMMISSIONER STUMP: Yes.

14 MR. ROSSEN: Good. So you know, Will had
15 commented on the relative size and importance of
16 the physical trade in China. And so, if we kind of
17 just have very high-level look at magnitude of
18 production in China. It's about 130-to-150 percent
19 of the United States. And their use is
20 significantly larger.

21 So in the United States we use between two and
22 a half and 3 million bales. In China they can use

1 as much as 40 million bales or about a third of the
2 entire global production. So I suspect the
3 dynamics that Will is highlighting in this slide
4 are reflecting the physical realities of just how
5 much of the product is transacted and traded and
6 the size of the industry that exists in China for
7 cotton and textiles.

8 COMMISSIONER STUMP: That makes sense. I
9 thought that the distinction here largely might be
10 -- and Will you can confirm if this is right or
11 wrong -- that in the case of cotton, as compared to
12 some of the other contracts that are trading on the
13 Chinese exchange, this is far less speculative
14 activity, which I think is apparent by the two
15 charts and the way they lay out compared to some of
16 the other commodities.

17 Thank you.

18 MR. ACWORTH: I do think it's worth
19 emphasizing that the Chinese markets are much
20 younger than what we have in the U.S. You know, it
21 really only has been a relatively few decades since
22 when these exchanges really got started and the

1 expansion of the range of contracts has been
2 actually relatively slow. I think the Chinese
3 authority has been very careful about proceeding
4 along this line. And I think that there's a
5 definite interest in that country in having more
6 participation from the outside world. And I think
7 they recognize that in order to really make these
8 markets serve the real economy, you've got to have
9 this whole infrastructure around the markets with,
10 you know, clearing firms and data vendors and you
11 know, people that like introducing broker community
12 people that can explain how to use these products
13 to really help a producer or a merchant manage
14 their risks. So we benefit from that here and we
15 see that in other parts of the world, perhaps, but
16 certainly the Chinese markets are just beginning to
17 have those elements of a complete ecosystem.

18 On that rice question, I did a quick check.
19 It looks like several hundred thousand contracts
20 per month in a rice contract is traded in China.
21 On the -- give me a sec on, I don't have it
22 unfortunately. I'm not sure which exchange. So if

1 you interested in the details, I'm happy to follow
2 up.

3 MR. OWEN: Thanks, Will. I'll send you an
4 email.

5 MS. MERSINGER: Are there other questions or
6 do any of the Commissioners have any further
7 questions on the presentation?

8 (No response.)

9 MS. MERSINGER: If not, you can always email.
10 Oh, go right ahead.

11 COMMISSIONER BERKOVITZ: Thank you Summer.
12 Excellent presentations; really extremely
13 informative, both presentations. I'd like to ask
14 on the CME presentation, in terms of the pricing
15 and in terms of whether the agricultural markets
16 can be like the energy markets, which I'm the
17 sponsor on the EEMAC -- the Energy and
18 Environmental Markets Advisory Committee -- and as
19 CME mentioned their price reporting in those
20 markets for a number of years and critical to many
21 of the derivative markets there. But in the
22 agricultural markets, I guess what I've been

1 reading about is trends, particularly on livestock,
2 where there are fewer and fewer points of sale or
3 market interactions along the chain, the supply
4 chain that it's becoming more contracted from a few
5 big suppliers to the feedlots.

6 And I'm wondering from CME's perspective, how
7 do you view the robustness of the spot market on
8 livestock and the prices that you're able to -- the
9 futures contracts are based on -- given the trends
10 in those markets and the availability of a vibrant
11 arms-length cash market?

12 MR. SEAMON: I can take that one,
13 Commissioner. Actually a really, really good
14 question and something that has been discussed
15 particularly around our Live Cattle futures
16 contract because all of our other livestock
17 contracts are currently cash-settled. Live cattle
18 still has physical delivery and based on what we
19 hear feedback from our customers that it is still
20 the preferred method for a live cattle settlement.

21 So there's still quite a bit of underlying
22 support for that physically delivered contract.

1 That being said, exactly what you say, there is
2 less negotiated trade that underlies our futures
3 market in the, you know, in the cash market.
4 There's less of it now than there was in the past,
5 so that is from a research perspective, something
6 that we keep tabs on because, from our perspective,
7 you know, Live Cattle has been performing well, but
8 our concern is, you know, assuring that it still
9 continues to meet all core principles and as long
10 as it does that, and our customers still prefer,
11 you know, a physical delivery on that, we are happy
12 with the current makeup of it.

13 However, if the underlying cash market does
14 evolve away and there's not enough information
15 flowing into the futures market, cash settlement
16 would have to be a consideration. I don't think
17 we're at that point. But rest assured, what you're
18 reading is, you know, us also looking at and
19 keeping tabs on how that market continues to
20 evolve.

21 And I'll also bring up that we did recently
22 launch a beef cutout index, not a futures contract,

1 so there's no market on it yet, but that is basis
2 USDA data that gives some -- it gives some
3 transparency into the price out of the processing
4 plant and Live Cattle is the price into it. But if
5 the beef market evolves like we saw the pork market
6 evolve -- we had launched years ago, a pork index,
7 a cutout index -- and just recently did we actually
8 launch a futures on that and that's been very
9 successful.

10 So we will continue to also, you know, look at
11 the cattle markets and the beef markets and if
12 indeed they evolve, like we saw the pork markets
13 evolve, could at some point in the future have a
14 futures contract on the beef cutout.

15 COMMISSIONER BERKOVITZ: Thank you. I
16 appreciate that. Thanks very much.

17 MR. FRYER: This is Jim Fryer at NCBA and
18 Commissioner, I'd add a couple of comments to that,
19 too from the Cattlemen's perspective. Is the amount
20 of negotiated trade we've been losing over a long,
21 long period of time has somewhat stabilized. And
22 right now, the industry has been working very hard

1 to actually increase the negotiated trade and there
2 has been some success in that. So there's
3 overriding macro influences as to why there would
4 be more formula business, but at the same time, the
5 industry's noticed the need for negotiation. So
6 there's an effort well underway to make sure our
7 markets are very sound.

8 And in terms of a beef market, you know,
9 there's a lot of chatter in the industry we'd be
10 willing to -- well excited to know what the
11 prospects of that are in the future as well.

12 COMMISSIONER BERKOVITZ: Thanks, Jim.

13 MS. MERSINGER: Thank you, Commissioner
14 Berkovitz. Are there any other questions or
15 comments at this time?

16 (No response.)

17 MS. MERSINGER: Again, if you do have follow-
18 up questions, please feel free to send a text or a
19 chat or email to Christa or myself, and we will
20 make sure to get your questions to the presenters.
21 And thanks again, Owain, Fred, and Will.

22 The next item on our agenda is a panel

1 discussion, which will be moderated by Christa
2 Lachenmayr, who is not only the Alternate DFO for
3 the Ag-OI Subcommittee, but she's also an economist
4 in the CFTC Division of Market Oversight with the
5 Product Review Team. And she serves as the CFTC's
6 liaison to the Department of Agriculture.

7 Today's panel will focus on perspective on the
8 pandemic from end-users and on the importance of
9 risk management in those markets. I'll turn it
10 over to Christa for introductions and to kick off
11 the panel. Go ahead Christa.

12 MS. LACHENMAYR: Thank you so much, Summer.
13 First I'd just like to apologize, we are running a
14 little bit behind schedule, but this this next
15 panel is a really important discussion. So I think
16 we're just going to power through. We understand
17 your time is very valuable and thank you for
18 continuing to listen in. So ... and thank you
19 Summer.

20 As we were putting this meeting together, when
21 the economy was opening back up, we thought that it
22 would be an opportune time to build on some of the

1 previous discussions about the impact of the
2 pandemic on various agricultural sectors, and that
3 it would be particularly instructive to hear
4 directly from risk management professionals in some
5 of the most heavily impacted sectors about the
6 pandemic's impact on their businesses, the
7 importance of risk management, and the markets
8 during the severe supply chain disruption, and for
9 them to share any lessons learned with the
10 committee and policymakers.

11 So to that end, I am so delighted that we have
12 a trio of very skilled individuals with us here
13 today, from the merchant and processor segment of
14 the value chain. We'll begin with a brief
15 introduction of each panelist followed by a summary
16 of the impact of the pandemic from their experience
17 and perspective. I'll delve a little further into
18 some of the key points raised by the panelists and
19 then open up the floor for questions and comments.

20 So our first panelist is Christian Edmiston.
21 Christian is Vice President of Procurement and Risk
22 Management at Land O'Lakes, which is one of the

1 nation's oldest and largest agricultural co-ops
2 with \$14 billion in net sales of dairy products,
3 including butter and cheese, as well as feed
4 nutrients and sustainable agricultural technology
5 products.

6 Welcome, Christian. Can you tell us a little
7 bit more about your role and give us a high-level
8 overview of your experience at Land O'Lakes during
9 the pandemic?

10 MR. EDMISTON: Absolutely. And thank you for
11 the chance to speak here. So my role Land O'Lakes,
12 I have responsibilities for procurement of all of
13 our commodities and inputs for our products across
14 our dairy foods and feed businesses, as well as
15 risk management for our core businesses.

16 The pandemic from our perspective was, you
17 know, honestly a really crazy time. I'll highlight
18 like kind of three areas of impact. One being
19 market volatility that provided plenty of
20 challenges. And the best example of that is in the
21 dairy space where block cheese reached within
22 pennies of all-time lows only to set record highs

1 less than 60 days later. A key component of that
2 was government programs and the associated demand
3 that they provided.

4 While needed, those were a key contributor to
5 the volatility that we saw. And I think that the
6 execution of those programs was understandably
7 about speed of execution and maybe not as much
8 around the nuance of considering unintended market
9 consequences as they were implemented. So that
10 volatility obviously contributed to, you know, big
11 swings in our positions, as well as swings in
12 customer orders. You know, as our customers saw
13 those markets change dramatically and then adjusted
14 their ordering and reordering patterns in
15 association.

16 So, and that would be the second thing that I
17 would highlight. The volume volatility for us was
18 a huge challenge. If you think about our risk
19 management program, you know, it's a key part of
20 our businesses across huge portions of what we do.

21 One thing that we really discovered through
22 the pandemic that we hadn't considered was, or

1 really hadn't built out, was the ability to adjust
2 our risk management positions in volumes on the
3 fly. So as we saw the big shift from retail-to-
4 food service as restaurants shut down. In some
5 places that meant, you know, having to place
6 additional positions and in other places that meant
7 having to quickly remove positions. And so, that
8 was a huge challenge for us. It really stressed
9 our systems and stressed kind of the communication,
10 the way we communicate across functions within our
11 business.

12 One of the things that you know, is definitely
13 we're calling out, you know, in our risk management
14 program at Land O'Lakes, is it's highly cross-
15 functional. If you think about all the way from you
16 know, our warehousing and inventories to our sales
17 and finished goods, to our planning group and
18 expectations for what we're going to sell in the
19 future -- all of those things are required for kind
20 of good risk management program at Land O'Lakes.

21 The third thing I would put in as far as
22 impacts for us is, you know, just the burden of

1 keeping product moving. We talked about and I know
2 I talked about with you in our preparation for
3 this, the idea of the dairy is pretty unique. Milk
4 is perishable, it's continuous, you know, it's
5 coming every day from the cows, whether you like it
6 or not. Can't turn it off. It's coming from our
7 member owners, which adds some complexity and it's
8 also, you know, and being 80 percent water, it's
9 hard to transport. And so, when big segments of
10 the economy shut down and demand really fell off.
11 There was a lot of time and attention for our
12 supply chain, really devoted towards making sure we
13 kept things moving and maintained our stewardship
14 of our producers' milk. And it was hard honestly
15 splitting time between managing our financial
16 positions, but also managing, you know, our
17 positions in the physical world as well.

18 So those were kind of the three areas I would
19 highlight in terms of the pandemic impact on our
20 risk management programs.

21 MS. LACHENMAYR: Thank you, Christian. And we
22 appreciate your comments and we'll get back to some

1 of those key points. Our next panelist is David
2 Rossen, who we met a little bit earlier. David is
3 currently the Global Hedging Manager for Cotton at
4 Louis Dreyfus, a leading global merchant and
5 processor of agricultural goods with products
6 ranging from cotton to grains, biofuels and ocean
7 vessels. While most of his career has been with
8 Louis Dreyfus, David also spent time as the Senior
9 Director for Commodity Risk Management at
10 Restaurant Supply Chain Solutions, which is the
11 sourcing arm for Yum! Brands.

12 David, thank you for being here. Can you give
13 us a recap of the pandemic's impact on the cotton
14 sector and some of the issues you faced at Louis
15 Dreyfus?

16 MR. ROSSEN: Good morning. First I'd like to
17 convey my appreciation to Commissioner Stump, the
18 other Commissioners, Summer, Christa and the AAC
19 for the invitation to participate today. It's an
20 honor to do so.

21 When speaking about the impacts of the
22 pandemic, it's hard to first not acknowledge the

1 vast human toll inflicted. In that spirit, I
2 suspect we'd all like to pass along our thoughts
3 and prayers to those individuals and families
4 impacted by COVID-19 and also our appreciation for
5 the frontline workers who worked and continue to
6 work tirelessly to get us through this trying time.

7 Aside from the direct human impacts, one of
8 the most noteworthy hallmarks of the pandemic was
9 an extraordinary, and in many cases, unprecedented
10 change in demand. In the context of commodities
11 that the demand shock was not consistent across the
12 entire landscape. Food and the food supply chain
13 remained an essential linchpin to society
14 addressing and moving beyond the pandemic, even
15 within the broader heading of food, there was a
16 variety of impacts with eat at home-focused
17 ingredients performing better than that of
18 restaurants or school-based products.

19 Energy and industrial commodities saw a wide
20 range of demand responses. Those that were deemed
21 essential in the context of the pandemic behave
22 more favorably than those whose demand-base was

1 impaired or even furloughed. And as time evolved,
2 some were net beneficiaries.

3 My most recent and applicable work experience
4 has been focused on the cotton market. I'd like to
5 direct my comments this morning on this third
6 category, which are commodities like cotton that
7 have a demand profile not fully aligned with either
8 food or industrial use. In some sense, at least a
9 portion of their demand-base could be categorized
10 as discretionary.

11 As governments around the world issued, stay-
12 at-home orders last spring, the textile industry
13 essentially ground to an abrupt halt. This
14 triggered one of the most dramatic negative demand
15 shocks our industry has ever experienced. As one
16 measure of the magnitude of this demand shock,
17 USDA's pre-pandemic estimate of global cotton mill
18 use was about 120 million bales. By the end of the
19 crop year, about six months later, that number had
20 dropped by 18 million bales or 15 percent to 102
21 million bales.

22 So what were the implications of this demand

1 shock? Global futures prices and cash prices all
2 plummeted with the ICE contract dropping more than
3 25 percent, and foreign cash cotton basis levels
4 witnessing historically large discounts. With many
5 mall and retail stores closed, inventory of apparel
6 and home textile goods started the backup. Brands
7 and retailers responded to these stock builds by
8 attempting to cancel or delay their purchase
9 orders, which then backed up through the supply
10 chain to finished goods manufacturers, fabric
11 makers, yarn spinners, and ultimately merchants and
12 growers.

13 The various participants in the value chain
14 behaved as though the pandemic was a get out of
15 jail free card. They had high price commitments,
16 which were then underwater in the newer low price
17 index. It's created a great deal of friction
18 between counterparties and the system as a whole
19 incurred many delays and defaults and had increased
20 carry and storage charges. Just to name a few.

21 Given the time of year, at least in the United
22 States, the merchant community had assumed a large

1 percentage of the price risk from the growers and
2 as such were disproportionately impacted by these
3 dynamics. As these extreme price dislocations and
4 contract sanctity issues occurred, the viability of
5 just how good one's hedge was at any point in time
6 was called into question.

7 In this light, I'd like to take a moment here
8 to acknowledge the Commission's recent work
9 regarding position limits.

10 During the pandemic, we witnessed a variety of
11 instances where certain counterparties, either out
12 of opportunity or necessity, attempted to delay or
13 default or call force majeure. The flexibility
14 allowed in the existing rules was a critically
15 important risk management ingredient for many
16 market participants and likely contributed to the
17 resilience of futures markets. As such, I'd like
18 to applaud the Commissions for its forethought on
19 this topic.

20 In addition to the fast moving parts of any
21 given commodities-specific supply chain, there were
22 larger influences afoot as well. Many other

1 dramatically impactful dynamics had to be assessed
2 concurrently -- things like U.S. and international
3 fiscal and monetary policy, the stimulus. Large
4 currency market swings, logistics and
5 transportation; both availability and price swings.
6 And as we've seen, many of these influences are
7 ongoing and may take some time before normalizing.

8 If I was asked to summarize a key learning
9 from having lived and worked through this
10 experience. It would be that a robust risk
11 management framework is an essential part of any
12 commodity business. And at the same time, ensuring
13 that there's enough flexibility in that framework
14 to adapt and absorb even the most extreme of
15 events.

16 Thanks.

17 MS. LACHENMAYR: Thank you so much for those
18 comments. And then last but not least we're joined
19 by Dhamu Thamodaran, who has recently retired from
20 a long career at Smithfield Foods, where he led
21 strategy development for the firm's vertically
22 integrated business, managed its commodity hedging

1 activities, and oversaw its Global Economics
2 Commodity Research and Analysis Group.

3 Dhamu, welcome. Can you share with us a
4 little bit about the impact of the pandemic as
5 experienced by the largest pig and pork producer in
6 the world?

7 I think you're on mute.

8 (Pause.)

9 MR. THAMODARAN: Can you hear me now?

10 MS. LACHENMAYR: Yes.

11 MR. THAMODARAN: Sorry. Thank you, Christa
12 for the kind of introduction and thank you, I
13 appreciate the Commissioners and CFTC for having an
14 opportunity to participate in the panel. Again,
15 Christa introduced that I retired after 36 years
16 with Smithfield. That's a pretty long time in a
17 commodity hedging role.

18 And so, I want to add a disclaimer. Whatever
19 comments would make it's my experience in my past,
20 nothing to reflect on today's environment.

21 In Smithfield hedging and price risk
22 management, it has played a very strategic

1 important role as far as I know, we always planed
2 ahead. We always had a process in place where
3 hedging is executed more often. CME has a
4 limitation on position limits so we had to go
5 beyond CME. But this pandemic posed an important
6 challenge.

7 And I am a contrarian. When I heard about
8 this disease in China back in December, I thought
9 it will be a global issue that's like so far, but I
10 never thought this will impact this much, the U.S.
11 I think most of our hedging decisions was made
12 well-beyond the pandemic and that served well for
13 the company because there are many challenges the
14 company faces.

15 Number one challenge, our goal is to keep the
16 plant employees, 54,000, healthy and not sick.
17 That's the goal we had. The number two goal we had
18 is, how do we keep our customers happy, engaged,
19 all those things that got challenged quite a bit
20 during the pandemic.

21 First of all, in meat plants most of the
22 people work in close proximity, and there is no six

1 feet spacing in the location, and most of the
2 employees are higher age, so they are susceptible
3 to the disease. That was a big challenge, and the
4 disease outbreak that one case that became nine,
5 nine become at 81, 81 become 400. The next thing
6 is one thousand. So we had to shut down plants and
7 modify, we had all these things; it takes time.

8 During the closing of the plant because the
9 pork production dropped 30 percent, no pigs ever
10 die of old age. And the whole pig processing is an
11 efficient supply chain, a biggest barn is like a
12 hotel room. Every hotel room is occupied by some
13 pig. If that hotel room is not vacated, the whole
14 backwards supply chain is challenged.

15 So there is, the producer have to make tough
16 choice, do I -- what do I do with the pig if the
17 plants are not running. Do we have to -- they have
18 to do some drastic measures. I don't want to
19 discuss at this meeting, but whatever it is that
20 are good for the livestock industry, but that's
21 what happened.

22 The second one is that demand challenge.

1 Overnight, the food service demand -- and they look
2 at the pork and the majority of the pork is retail
3 and 16 to 20 percent is food service restaurant,
4 and 25 percent is exported. But in certain parts
5 75 percent of the bacon is consumed by food
6 service, that demand came to a screeching halt.
7 Overnight.

8 Then we had so much product in the freezer,
9 and we ended up -- the company ended up giving it
10 to food banks and all to charity. At the same time
11 the retail demand jumped 40 percent, the supply
12 chain is not set up to handle any of the change --
13 40 percent increase in demand. We don't have a
14 freezer. We don't have the shipping or the
15 customer doesn't know how to receive.

16 So, it is an enormous challenge, of course,
17 for a company. Customers are unhappy, producers
18 are unhappy. It was a big challenge, a learning
19 lesson for any protein company, at the same time
20 the labor force.

21 And in the hedging side, the position we took,
22 served very well for the company. But the

1 challenge is the accounting rules, we had hedge
2 accounting. We could not match our hedges with
3 actual delivery. Because if we have X-number of
4 contracts, if the pigs are not slaughtered, what do
5 with the contract? It has to be a market-to-market
6 contract.

7 And the second one is, we get a robust hedging
8 program for the producers, as well as all the
9 restaurants. Like one of the roles I played as I
10 became an advisor to many of the restaurant chain.
11 They all had a commitment, but they can't take the
12 product. And what do I do with the futures
13 position? We ended up deferring to extending to
14 beyond next year. And that is tough with auditors.
15 That's how sure are you they will be back in
16 business next year?

17 And those are the challenges they face. I
18 think those are the challenges now, the plants are
19 running fine. But the issue now that the whole
20 protein industry is facing is a labor shortage.
21 The industry has a severe labor shortage problem,
22 and many of the time, the industry is having a

1 tough time running the plant full.

2 On the futures side, the big challenge the
3 industry is facing is the volatility is extremely
4 high now, whether it's fundamentally driven or
5 speculative driven, I have seen the livestock
6 futures go up and they are limit up, limit down
7 multiple times in a week.

8 So if I'm a small producer, I don't have the
9 margin capacity to manage a hedging position. So
10 more often, they ended up coming to the big
11 companies to manage the position for themselves.
12 So more and more I've seen in my 36 years, robust
13 hedging by farmers that is slowly disappearing.
14 It's concentrating in the big player.

15 This is my view, not Smithfield's view. I
16 have seen this, because if I'm growing corn, my
17 corn is now up 345 cents in one day, and then CME
18 calls for a margin call. Do I plant the corn or
19 worry about the margin call? More and more
20 producers are moving away from hedging themselves,
21 they are still doing the hedging, but it's being
22 done through somebody else.

1 That would be the comments, introductory, that
2 I can make, and questions later.

3 MS. LACHENMAYR: Very interesting. Thank you.

4 I did want to first touch on something that
5 came up during our prep calls, which was
6 specifically the demand factor of the Phase 1
7 commitments. So just for context, but the U.S-
8 China trade deal was finalized in February 2020,
9 including specific commitments for China to
10 purchase an additional \$200 billion of U.S. goods
11 over 2017 levels, which included 12 and a half
12 billion in agricultural goods.

13 Maybe we'll start with David here, but can you
14 tell us a little bit more about the impact of the
15 Phase 1 commitments on your industry and driving
16 demand?

17 MR. ROSSEN: Certainly. So as the trade war
18 began to kick off in 2018, and the relationship
19 between the U.S. and China deteriorated, we began
20 to see a shift. This is true for cotton, as well
21 as grain and oil seeds and other products, a shift
22 away from China choosing the U.S. as its preferred

1 supplier of these products. And began to find
2 alternative suppliers from either the Black Sea, or
3 South America, Brazil, Argentina.

4 And so, U.S. export values began to feel the
5 effects of that, and overall volumes were impacted
6 as well. At a time when markets were relatively
7 well-supplied the burden of carrying those
8 inventories then fell on the U.S. and the U.S.
9 producers. The implementation of the Phase 1 trade
10 deal most definitely began to shift those buying
11 patterns back to the U.S. and that has been
12 reflected significantly in the way that we've seen
13 the trade flows evolve and prices as well.

14 So I do believe that the overriding intended
15 benefit ascribed to the Phase 1 trade deal has been
16 realized where we have seen significant volumes
17 pick back up as far as Chinese demand of U.S.
18 agricultural products.

19 MS. LACHENMAYR: Thank you very much. Dhamu
20 or Christian, do you care to comment on that as
21 well?

22 MR. THAMODARAN: Yes. David mentioned when

1 the trade war started in 2018, China retaliated
2 U.S. pork industry putting a 50 percent tariff on
3 pork exports and more often all the 50 percent was
4 paid by the U.S. producers because the pork prices
5 in the U.S. fell more than 50 percent because China
6 can buy the pork from Europe at a price that the
7 tariff was paid by the U.S. producers and it cost
8 the U.S. pork industry several billion dollars.

9 The tariffs were paid -- in Economics 101, I
10 got a PhD. More often with the tariffs, the buyer
11 will pay for it. In the meat industry, I tell the
12 student when I give a lecture, in pork's case, the
13 U.S. was paying the tariffs. It came out of the
14 producers' market.

15 When the Phase 1 deal was signed, the tariffs
16 went from 50 to 25 percent. Even now that it's 25
17 percent tariff. However, China had a major
18 disease, ASF. And China produces half of the
19 world's pork. Can consume more than half of the
20 world's pork. Pork is the primary meat. So they
21 needed to import meat and there is no other market
22 bigger than, Europe is the biggest next to the U.S.

1 So they ended up buying a record amount of pork
2 from the U.S.

3 But two reasons. One is ASF. They need it.
4 Whether a Phase 1 deal or Phase No-deal. They
5 would have bought it. The second is the price
6 difference, what Chinese pork price is versus the
7 U.S. pork price is much lower. So the U.S. is at
8 an advantage and this is going to continue for a
9 while, whether we have trade deal or not, but it
10 will take another two to three years before China
11 recovers their livestock supply.

12 So the Phase 1 deal really helped. But I
13 won't say that's the reason pork exports went up,
14 but that, our -- if I am a pork industry guy -- our
15 number one request would be, we need the tariff
16 off. The U.S. tariff of 25 percent is hurting
17 close to 800 million dollars to the U.S. pork
18 industry. Even now that tariffs is paid by the
19 U.S. pork producers.

20 MS. LACHENMAYR: Thank you, Dhamu. Christian,
21 do you have any comments on the Phase 1 demand?

22 MR. EDMISTON: Yeah, definitely.

1 You know, I'll tag onto the comments that were
2 just made, you know, relative to pork. One of the
3 primary feeds for baby pigs as China has ramped up
4 their pork production after ASF, is whey, which is
5 the byproduct of making cheese.

6 And so, I know it's a dark little corner of
7 the commodity markets that a lot of folks probably
8 don't think about, but if you want to see an
9 interesting chart, pull up whey. It's at near
10 record highs at this point. And China has been a
11 significant driver of that.

12 China is the largest global importer of dairy
13 products, and it's not really all that close. The
14 U.S. exports between 15 and 20 percent on a milk
15 equivalent of milk production here in the U.S. And
16 so, China is important to the U.S. as it relates to
17 dairy, even if the trade flows aren't always
18 direct. Volatility in that relationship clearly
19 can have an impact on the U.S. dairy industry and
20 dairy producers.

21 So, you know, as the trade war started and
22 tariffs were put in place, obviously it contributed

1 to what was already a relatively low price
2 scenario. As China's demand has ramped up here
3 over the last six to 12 months, and they've opened
4 up, you know, at times faster than the U.S., it's
5 been a significant driver of export demand out of
6 the U.S. on dairy. And it's been a big help for
7 U.S. dairy producers for sure.

8 MS. LACHENMAYR: Thank you very much. I think
9 all three of you kind of mentioned regulatory
10 flexibility and the need to be nimble in your
11 hedging activities, particularly in order to really
12 maintain those commitments to your producers and
13 also your customers.

14 So is there anything that we should take away
15 as the Commission or that the Committee should take
16 away or look into further that could enhance --
17 further enhance -- that regulatory flexibility? I
18 guess, maybe start with David on that. Not to put
19 you on the spot.

20 MR. ROSSEN: No, that's fine. From our
21 perspective, I think, you know, the futures markets
22 behaved appropriately and were an important risk

1 management ingredient and tool. I think in the
2 most recent actions, some of the components that
3 contributed that to that were the ability to
4 incorporate anticipatory merchandising, some of the
5 increased position limits, and then also where
6 appropriate utilization of gross versus net
7 hedging.

8 So again, as I mentioned in my opening
9 comments, I'm just appreciative that those tools
10 were available to the industry at a time when it
11 was really put under stress.

12 MS. LACHENMAYR: Great. Thank you. I wanted
13 to go back to Dhamu a little bit. It's very
14 interesting that you mentioned that the producers
15 are coming to the large entities, their large
16 customers in order to manage some of those hedging
17 activities. Do you have -- could you expand upon
18 that a little bit more, or perhaps offer some ideas
19 about how that may impact the Commission's
20 decision-making or any need for regulatory change
21 in order to facilitate that?

22 MR. THAMODARAN: I don't think it's a

1 regulatory change. I think most of these
2 companies, like food service companies in
3 generality, they don't maintain a hedge futures
4 position because of market-to-market hedge
5 accounting and all these things. I think from our
6 standpoint, when you can establish as the customer
7 relationship. So we are willing to offer one year
8 contract on certain time when I was there, but the
9 issue with the position limit at Smithfield, when I
10 was there, we were always close to the edge of the
11 position limit.

12 So we had sometimes, we had to deny that
13 hedging requests because we do a strategic hedging
14 for the company, a bigger risk than I am doing for
15 customer hedging and do I take the customer in mind
16 or company's risk in mind?

17 So there is some position limits was a big
18 item. I think I have spoken at the CFTC conference
19 before. I raised the same position limit issues.

20 Now I'm retired, I can make an independent
21 comment. That was a big challenge. And, I think
22 the customers see the volatility of the market.

1 They don't understand. They don't understand why
2 oil went to negative. I spoke at a conference. In
3 fact, I'm speaking at a restaurant conference two
4 days from tomorrow. One of the questions is why
5 did the oil went to negative, a commodity can stay
6 negative?

7 I know fundamentally the market works fine.
8 But from a customer, a common sense perspective,
9 how can a commodity can price negative? And they
10 don't understand market call, limit up, limit down.
11 These things are very, very complex, but they are
12 interested in selling sandwiches.

13 They are not interested in -- they think a
14 crazy guy like me can manage the risk. They don't
15 have any interest in managing the risk. They don't
16 have a big interest or a huge staff, like David,
17 all of that, to worry about the market 24 hours a
18 day.

19 MS. LACHENMAYR: Thank you. Thank you very
20 much. I also wanted to turn to Christian on that.
21 You have similar experience in being a really
22 significant player in a moderately sized market.

1 So could you talk a little bit about the challenges
2 there?

3 MR. EDMISTON: Yeah, definitely. And I guess
4 I would say that, you know, calling the butter
5 market, moderately sized, is being pretty generous
6 at times, you know, and nonfat dry milk would
7 follow kind of closely behind.

8 So you know, I'd echo some of the comments
9 that David made on position limits. And in some of
10 my work experience also, I spent some time at Kraft
11 Foods with which where it's basically a similar
12 kind of setup relative to cheese that Land O'Lakes
13 would experience relative to butter or nonfat,
14 where liquidity can be a challenge given the
15 exposures that our business faces on a pretty
16 regular basis.

17 And, you know, I'll get a little bit -- a lot,
18 specific. The idea of a spot month scale-down in a
19 cash-settled contract where the underlying index is
20 a audited government survey, to me has always been
21 a challenge. It was really interesting to hear the
22 CME presentation around cash settlement, all dairy

1 contracts, all dairy futures contracts are cash-
2 settled. So I'm certainly familiar with cash
3 settlement as a structure. And there's been
4 changes made, you know, for non-fat dry milk as an
5 example, eliminating the spot month scale-down.

6 But it's something that wasn't necessarily
7 caused by the pandemic or exacerbated by the
8 pandemic, but it was a preexisting condition of
9 sorts, where it creates volatility. Creates the
10 need to adjust positions when the underlying index
11 is pretty firm.

12 So that's a challenge I would highlight. You
13 know, the other thing I would say is just we made a
14 shift and we're making a shift over time, our
15 industry, from futures to options. And the
16 flexibility that comes with that is really
17 beneficial. In times when, you know, you have the
18 kind of volatility in both markets and in volumes
19 that while volatility obviously strikes into
20 options and it provides -- can provide some buffers
21 that that futures don't necessarily provide.

22 So they need to continue to develop liquidity

1 in the options markets for dairy, and then also the
2 need to be able to use swaps. As we basically look
3 for liquidity where we can find it due to
4 challenges with liquidity in the underlying futures
5 market and the size of the risks that our
6 businesses are based.

7 MS. LACHENMAYR: Thank you very much for those
8 candid remarks. I think that I have asked enough
9 questions. I'd like to turn it over to the
10 committee members and Commissioners, if they have
11 questions for our esteemed panel.

12 MR. BARKER: This is Joe Barker. Just a
13 general question and there was a couple of comments
14 made about the government supports and roll outs.
15 And I don't know, so how was the coordination? Did
16 you have liaisons from the government, you know,
17 working with you on that stuff? Or was it just,
18 kind of, you read about it in the newspaper?

19 MR. EDMISTON: I can comment from a Land
20 O'Lakes perspective. I would say it was a bit of a
21 combination of both. You know, things obviously
22 happened really, really fast during the pandemic,

1 in terms of the government support programs. And
2 that was the intention, there was a lot of need and
3 it was a dire situation and things had to happen
4 really fast.

5 So I would say at times the coordination was
6 really a challenge. And I think there's some of
7 that that was entirely unavoidable, just because of
8 the state of the state at the time. You know, I
9 think that as time has gone on and I like to, I've
10 kind of likened the adjustment of the markets and
11 the economy and the food service versus retail
12 trade-off into a dampening sine curve. There's
13 still waves, but they seem to be getting smaller
14 every time as we shift and reopen food service.
15 And there's still a lot of volatility along with
16 that here in the current state.

17 As those sine waves dampen I think that it's
18 left a lot more room for more deliberate planning,
19 more deliberate communication around government
20 supports, which has been, you know, government
21 support programs, and that's been -- from at least
22 from my perspective, very helpful.

1 MR. THAMODARAN: I will comment a little bit.
2 I think from a government support on the pork
3 industry, there is a limitation on dollar income.
4 I think probably only small percentages of the
5 people met the criteria. In that way it was
6 helpful. But overall from Smithfield, this
7 pandemic from a real cost standpoint, it was
8 several, several hundred million dollars. Well
9 over \$500 million.

10 Although the company put in the plan with the
11 modification, salary increase, all those things,
12 and we already wrote down so much of the food
13 service inventory because the restaurant demand
14 collapsed 70 percent, whatever is in the freezer
15 you cannot -- there was talk of can you repackage
16 it and sell it to the grocery chain? No. That's
17 two different animals, and totally different supply
18 chain. You need to modify the product. So the
19 company ended up taking a huge loss, huge cost
20 during the time.

21 MS. LACHENMAYR: Any more questions?

22 (No response.)

1 MS. LACHENMAYR: Well, thank you so much. I
2 really appreciate your time and preparation from
3 the panelists. It was really a treat to hear from
4 you today. And thanks for hanging in there a
5 little bit late. I appreciate it. We all
6 appreciate it.

7 MR. THAMODARAN: Thank you.

8 MR. ROSSEN: Thank you.

9 MR. EDMISTON: Thanks Christa.

10 MS. MERSINGER: Thank you to Christa and all
11 of our panelists today. That was very informative
12 and we greatly appreciate your time. We are
13 getting close to the end here, but before we
14 adjourn, I just wanted to check in to see if we
15 have any closing comments from any of the
16 Commissioners.

17 COMMISSIONER BERKOVITZ: I'd just like to say
18 thank you to all the participants again. Thanks.
19 Thank you for your excellent presentations and the
20 time you devote to this. So thank you Summer, and
21 thank you, Christa for all the work that you put
22 into it. I know that when these meetings go

1 smoothly and the presentations appear and people
2 speak and we see them, there's a lot of work that
3 goes into this.

4 So thank you both. Thanks also to our IT team
5 to make this possible, and of course, Commissioner
6 Stump for your leadership on this committee. So
7 thank you all.

8 MS. MERSINGER: Thank you Commissioner
9 Berkovitz. Commissioner Behnam.

10 COMMISSIONER BEHNAM: I would just echo
11 Commissioner Berkovitz's comments and comments and
12 I apologize for missing the opening. Thanks to
13 Commissioner Stump, to you Summer and to Christa,
14 as well. Interesting conversation, especially on
15 the market access and the different contracts that
16 we're seeing the growth across the globe.

17 I think there's certainly implications for our
18 industry from a risk management perspective and a
19 market access perspective for hedging, but then
20 also larger geopolitical issues in terms of our
21 markets remaining the largest in the world, having
22 a benchmark setting role, price setting role, and

1 how that's going to evolve and change over the
2 future. But interesting to listen to.

3 Thanks again, to Commissioner Stump for her
4 leadership and stepping in here as the new sponsor
5 of the AAC. Thank you.

6 COMMISSIONER STUMP: I'll be very brief,
7 unless there's other comments.

8 Thanks to everyone for sticking with us. I
9 know we went a little over time, but I think it was
10 really worthwhile.

11 So my takeaway from all of this that as we
12 started this meeting, I said there were a lot of
13 similarities between the things this committee can
14 consider and the things that the Global Markets
15 Advisory Committee can consider. And one of my
16 themes and the Global Markets Advisory Committee,
17 for those of you who don't follow that committee,
18 it's been market access.

19 It hasn't been specific to the agricultural
20 markets, but I think you all have provided a
21 tremendous example for exactly what we have to be
22 cautious. Market access is critical to those who

1 have hedging needs. And we have to be careful that
2 we don't impede that access. There are obviously
3 consumer and customer protections that we have to
4 be cognizant of -- and we are cognizant -- but we
5 have to be very careful that access is tantamount
6 to how we do our jobs.

7 So whether that is -- you guys have -- we
8 cannot anticipate what you're going to need in the
9 way of your hedging in the future, trade disputes,
10 unexpected demand shifts paralyzing the supply
11 chain, carry storage costs for those more
12 discretionary goods, transportation disruptions,
13 labor issues. I mean, this has been a tremendous
14 summary of all the things you guys deal with and
15 the reason that our markets need provide you with
16 the hedging tools that you need.

17 So thanks to everyone who participated and I
18 look forward to continuing this conversation next
19 time. Thanks.

20 MS. MERSINGER: Thank you, Commissioner Stump.
21 With that, thanks again to everyone for joining the
22 meeting today. We know it's a busy time of the

1 year and we did go a bit over here, but it was a
2 worthwhile discussion and we really appreciate your
3 time.

4 With that, the meeting is now adjourned.

5 (Whereupon, at 12:25 p.m., the Agricultural
6 Advisory Committee meeting was adjourned.)

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