

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Materials (MS) (GMO ad hoc) Subcommittee Notes **Tuesday, August 9, 2022 1:00 pm ET**

Present: Wood Turner (WT), Chair; Brian Caldwell (BC); Mindee Jeffery (MJ); Carolyn Dimitri (CD); Dilip Nandwani (DN)

Absent: Kim Huseman (KH); Logan Petrey (LP), Vice Chair

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review July 12, 2022 notes
- Research Priorities - discuss/vote
- Excluded Methods (MJ) - discuss
- Additional Items
- Adjourn

Discussion

- **July 12, 2022 notes** were accepted as written
- **Research Priorities (WT).** The group discussed the updates to the Spring version of the research priorities document. The Crops Subcommittee made some modifications to its priorities to remove some redundancy. One of the updates involved the use of the term “problem insect”, instead of “invasive species”. The MS Chair asked the CACS to initiate a discussion at the Fall meeting about the distinction between “problem” and “invasive”. The Materials Subcommittee moved to a vote:

Motion to accept the proposal on the 2022 Research Priorities

Motion by: Wood Turner

Seconded by: Brian Caldwell

Yes: 5 No: 0 Abstain: 0 Recuse: 0 Absent: 2

- **Excluded Methods (MJ/DN).** The MS discussed requesting a TR on induced mutagenesis, as commenters indicated that mutagenesis is ubiquitous and might be difficult to assess without a TR. The co-leads will review the remaining terms on the TBD list, and determine which ones are linked to mutagenesis as they move forward. Members discussed questions to add to the TR given that the typical TR focuses on substances and not processes, and will decide what format is best - a modified TR or a white paper. For now, the MS will not have a document on excluded methods and will wait for the NOP response to recommendations from the Spring meeting.
- The project on excluded methods also relates to the project to update the TR templates, to add questions about excluded methods, which the MS will discuss at a future call.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous MS Notes](#)

Future call schedule (2nd Tuesday 1:00 PM ET | 10:00 AM PT, except where noted)

July 12, 2022

Research Priorities - discuss

Petition and Technical Report (TR) tracking: Update to TR template

Excluded Methods

August 9, 2022

Research Priorities - discuss/vote

Petition and Technical Report (TR) tracking: Update to TR template (MJ) - discuss

Excluded Methods (MJ) - discuss

September 13, 2022

October 11, 2022

November 08, 2022

December 13, 2022

Work Agenda

***Highlight** indicates discussion. ***Highlight** indicates action needed. ***Highlight** indicates review completion and/or vote.

Projects

Project	National List	Contact	Doc Type	Notes	Scheduled, Discussion, Voted	Target meeting
Research Priorities (RP)	N/A	WT	Discussion Document (Spr 2022) Proposal (Fall 2022)	May 2012 Framework Proposal <u>Subcommittee reps to MS:</u> Handling (HS): WT Crops (CS): TBD Livestock (LS): KH RPs due to MS from HS, CS, and LS by 7.5.22	7.12.22 8.9.22	Fall 2022
Petition and Technical Report (TR) tracking: Update to TR template	N/A	NOP	NA	Ongoing	7.12.22 8.9.22	N/A
Excluded Methods	N/A	MJ/DN	Proposal		7.12.22 8.9.22	TBD
Tall oil, distilled	205.601 205.603	WT	HOLD	2008 Petition (distilled tall oil). 2010 TR (tall oil). Petition sent to MS 9.4.20. Petition suff/TR request due 12.8.20. Petition found sufficient 12.8.20, and the MS requested a TR. TR due mid-Aug. TR sent to MS 8.13.21. TR suff due 10.12.21. TR found sufficient 10.12.21. Additional information from petitioner sent to MS 2.8.22 (see "AMS-NOP-21-0087-0003"). Returned to Subcomm at Spr 2022 meeting. On hold pending results from ANPR/guidance.	TBD	TBD

Milestones

Fall 2022 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~May 20, 2022
NOP - Draft Fall 2022 NOSB meeting agenda	Aug 5, 2022
NOSB - Fall 2022 proposals due to NOP	Aug 11, 2022
NOP - Post proposals	Aug 31, 2022
Public comment closes	Sep 29, 2022
NOP - Send compiled public comments to NOSB	~Oct 3, 2022
Public comment webinars	Oct 18 & 20, 2022
Fall 2022 NOSB meeting - Sacramento, CA	Oct 25 - 27, 2022
Final recommendations due	Nov 25, 2022

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Materials (MS) (GMO ad hoc) Subcommittee Notes **Tuesday, July 12, 2022 1:00 pm ET**

Present: Wood Turner (WT), Chair; Brian Caldwell (BC); Mindee Jeffery (MJ); Kim Huseman (KH); Carolyn Dimitri (CD); Logan Petrey (LP), Vice Chair; Dilip Nandwani (DN)

Absent: None

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review June 14, 2022 notes
- Tall oil, distilled
- Research Priorities (RP) - discuss
- Excluded Methods Fall 2022 - discuss
- Additional Items
- Adjourn

Discussion

- **June 14, 2022 notes** were accepted as written.
- **Tall oil, distilled.** On hold until the NOSB has a path forward in which to review inerts. The NOP will be publishing an advance notice of proposed rulemaking (ANPR), which seeks feedback from the industry. The MS will provide a verbal update at the Fall NOSB meeting.
- **Research Priorities (RP).** Handling and Livestock had no updates to the Spring version of the research priorities, and the Crops Subcommittee did make modifications on its last call. The MS Chair will contact the Crops Chair about the final version. MS Chair will finalize the list and the MS will vote on the final document on the August 9 call.
- **Excluded Methods (MJ).**
 - The MS is waiting for the response to the NOSB's Spring 2022 recommendations. Once the NOP responds, the MS would like to work on the to-be-determined (TBD) list of definitions.
 - There are several substances currently on the National List that dovetail with the excluded methods project, such as L malic acid (in Handling), fermentation, and synthetic/non synthetic determinations. The lead suggests starting with revisions of the TR template to include questions about excluded methods. She acknowledged this will be a large project, and may involve collaboration with the Accredited Certifiers Association (ACA) and the Organic Materials Research Institute (OMRI). A member suggested that in the short term, the NOSB can include questions in TR requests include some additional questions. Given that the TR template update will be a large project, the group may split it into sections, so more than one person can work on it. There are several items the MS would like to update/modify including eliminating some duplication and redundancy, adding questions about excluded methods, and aligning the document with the petition template because they are not currently in the same order. This will help the NOSB when writing proposals. The NOP will send the [petition template](#) to the MS. The Chair asked that MJ be the project manager for this work agenda item.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous MS Notes](#)

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June 14, 2022

July 12, 2022

Research Priorities - discuss

Petition and Technical Report (TR) tracking: Update to TR template

Excluded Methods

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Materials (MS) (GMO ad hoc) Subcommittee Notes

Tuesday, June 14, 2022 1:00 pm ET

Present: Wood Turner (WT), Chair; Brian Caldwell (BC); Mindee Jeffery (MJ); Kim Huseman (KH); Carolyn Dimitri (CD)

Absent: Logan Petrey (LP), Vice Chair; Dilip Nandwani (DN)

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review May 10, 2022 notes
- Discuss work agenda
 - Tall oil, distilled
 - Research Priorities (RP)
 - Excluded Methods Fall 2022?
- Additional Items
 - TR templates (Mindee)
- Adjourn

Discussion

- **May 10, 2022 notes** were accepted as written.
- **Discuss work agenda**
 - Tall oil, distilled (DTO) (WT). Members discussed the tall oil project. The petitioner has chosen to hold the petition until the NOP provides guidance about reviewing inerts (see update to table below). The NOP will publish an Advance Notice of Proposed Rulemaking (ANPR). The ANPR is a vehicle for the community to provide input and feedback to the NOP that then could inform the NOP and NOSB how to move forward with a proposed rule. Members discussed active versus inert ingredients, and how EPA classifies substances.
 - Research Priorities (RPs). The Materials Subcommittee discussed the Organic Farming & Research Foundation (OFRF) research priorities, and how they may align with the NOSB priorities. A member indicated that the Livestock priorities align well, but hasn't had a chance to review the other scopes (Crops and Handling). Another member, who is on the Board for OFRF, suggested inviting OFRF to a future MS call. The MS will not make any major changes to the format of the Fall 2022 document but will consider changes for 2023. A member added that given the timing of Farm Bill negotiations, it could be helpful to do some outreach to stakeholders about including research priorities in potential requests to Congress.
 - Excluded Methods (MJ). The lead presented a summary of outstanding issues and asked for feedback from members. The goal is to document the status of the Excluded Methods project to make sure there is continuity for future boards. The MS has collectively decided to not develop a proposal for the Fall meeting, and will wait for the response from the NOP on the Spring 2022 recommendation.
- **Additional Items**
 - TR templates (MJ). The MS is working with the NOP and the Organic Materials Review Institute (OMRI) to update the Technical Report templates. The lead asked if someone wanted to compile comments, and perhaps reach out to those that commented for more feedback.
- **The meeting was adjourned**

[Previous MS Notes](#)

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June 14, 2022

July 12, 2022

Research Priorities - discuss

August 9, 2022

September 13, 2022

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November 08, 2022

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Materials (MS) (GMO ad hoc) Subcommittee Notes **Tuesday, May 10, 2022 1:00 pm ET**

Present: Wood Turner (WT), Chair; Brian Caldwell (BC); Carolyn Dimitri (CD); Mindee Jeffery (MJ); Logan Petrey (LP), Vice Chair; Dilip Nandwani (DN)

Absent: Kim Huseman (KH)

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review April 12, 2022 notes
- Debrief from April 2022 NOSB meeting
- Discuss work agenda
 - Tall oil, distilled
 - Research Priorities (RP)
 - Excluded Methods Fall 2022?
- Additional Items
- Adjourn

Discussion

- **April 12, 2022 notes** were accepted as written.
- **Debrief from April 2022 NOSB meeting.**
 - Members discussed the Spring meeting, and described it using phrases like “good teamwork”, “democracy in action”, and “makes one feel good about public service”.
 - Of the current research priorities (RPs) recommendations being funded by NIFA, there is only one that is specific to the NOSB RPs. The take-away from the presentation is that they may not be making a big enough impact within the research community. Members discussed ways to improve the impact. A member added that academics work on research they want to, so perhaps the NOSB should reach out to other audiences, such as land grant institutions, regional organic organizations like MOSES, etc. The MS will discuss this more on the Executive call.
- **Discuss work agenda**
 - Tall oil, distilled. Members discussed the status of the petition, and the path forward. At this time the NOSB is waiting for feedback from the NOP about reviewing inerts. The NOP is working on an Advance Notice of Proposed Rulemaking (ANPR) on inerts to explore ways in which to replace the now obsolete EPA List 3 and List 4 Inerts. The goal of the ANPR is to get a clearer understanding of viable replacements for the current system. Members briefly discussed the history from the previous sunset reviews on List 3 and 4, and the NOSB Vice Chair would like to compile the history of the inerts issue as they move forward with this project. As for the DTO petition, which is an inert, the Materials Chair will discuss the possible options on the next Executive Committee call.
 - Research Priorities (RPs). The lead will incorporate the comments and feedback from the Spring meeting into the document for the Fall 2022 meeting.
 - Excluded Methods. The lead will complete the coversheet for the Spring 2022 recommendation.
- **Additional Items.** The CACS is considering adding 30 minutes to its calls, and is working with the Materials Subcommittee to perhaps swap meeting times.
- **The meeting was adjourned**

[Previous MS Notes](#)

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Materials (MS) (GMO ad hoc) Subcommittee Notes

Tuesday, April 12, 2022 1:00 pm ET

Present: Wood Turner (WT), Chair; Brian Caldwell (BC); Carolyn Dimitri (CD); Mindee Jeffery (MJ); Logan Petrey (LP), Vice Chair; Dilip Nandwani (DN); Kim Huseman (KH); Nate Powell-Palm - observer

Absent: None

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review March 8, 2022 notes
- Excluded Methods: discussion of public comments (MJ)
- Discuss questions for NIFA
- Additional Items
- Adjourn

Discussion

- **March 8, 2022 notes** were accepted as written.
- **Excluded Methods: discuss public comments (MJ).** The lead noted that there was unanimous support from commenters for this document, and there was a suggestion for some updated terminology. The MS discussed whether the new terminology would be a substantive change, which would mean that the proposal would be returned to subcommittee. MJ will discuss it at the Executive Committee meeting to let NOP know, and NOP will make the final decision at the NOSB meeting.
- **Discuss questions for NIFA (WT).** The MS did not have any additional specific questions for NIFA, outside of the general asks about current status of NOSB research priorities.
- **Additional Items.** MS members offered to assist with comment summaries on Distilled Tall Oil and CPC (Handling).
- **The meeting was adjourned**

[Previous MS Notes](#)

Future call schedule (2nd Tuesday 1:00 PM ET | 10:00 AM PT, except where noted)

March 8, 2022

April 12, 2022

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Milestones

Spring 2022 Milestones	Target dates (tentative)
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NOSB - Spring 2022 proposals due to NOP	Feb 16, 2022
New NOSB member training	Mar 16-18, 2022
NOP - Draft Spring 2022 NOSB meeting tentative agenda	Feb 2, 2022
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Public comment closes	Apr 1, 2022
NOP - Send compiled public comments to NOSB	Apr 4, 2022
Public comment webinars	Apr 19 & 21, 2022

Spring 2022 NOSB meeting - Crystal City, VA	Apr 26 - 28, 2022
Final recommendations due	May 27, 2022

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Tuesday, March 8, 2022 1:00 pm ET

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Absent: Kim Huseman (KH); Logan Petrey (LP), Vice Chair

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- Review February 8, 2022 notes
- Discuss agenda items for Spring 2022 NOSB meeting
 - NIFA update - questions to NIFA, who will introduce speaker
 - OSA update - specific questions, who will introduce speaker
- Additional Items.
- Adjourn

Discussion

- **February 8, 2022 notes** were accepted as written
- **Discuss agenda items for Spring 2022 NOSB meeting**
 - **NIFA update - questions to NIFA.** The MS will compile a list of potential questions for NIFA including an update on the status of NOSB research priorities (RPs) i.e., what is being funded? What isn't? The MS is looking for specific feedback and not necessarily an overview of the proposal process. The NOP will forward the list along with the official speaker invitation. CD will introduce NIFA at the NOSB meeting.
 - Members also discussed how to disseminate the RPs more broadly to entities outside of USDA in an effort to highlight important questions to excite the community. A member suggested extension services.
 - **OSA update - specific questions?** The MS doesn't have specific questions and is looking forward to an update about the State of Organic Seed. MJ will introduce OSA.
- **Additional Items.**
 - Climate Change agenda item - in CACS.
 - Excluded Methods - cell and protoplast topic is in the current iteration. Other items on the TBD list are still on the work agenda. The MS will discuss a high-level overview on the April call.
- **The meeting was adjourned**

[Previous MS Notes](#)

Future call schedule (2nd Tuesday 1:00 PM ET | 10:00 AM PT, except where noted)

February 8, 2022

Research Priorities DD (WT) - Discuss/vote

Tall oil, distilled DD(WT) - Discuss/vote

Excluded Methods Spring 2022 Proposal (MJ/LP) - Discuss/vote

March 8, 2022

April 12, 2022

May 10, 2022

June 14, 2022

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Absent: Brian Caldwell (BC) (jury duty)

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- January 11, 2022 notes
- Research Priorities discussion document (WT) - Discuss/vote
Tall oil, distilled discussion document (WT) - Discuss/vote
- Excluded Methods Spring 2022 Proposal (MJ/LP) - Discuss/vote
- Additional Items
- Adjourn

Discussion

- **January 11, 2022 notes** were accepted as written.
- **Research Priorities discussion document (WT).** The lead highlighted the changes to the previous list of Research Priorities and the MS discussed several items. The LS Chair will make some minor changes to the Livestock list based on today's conversation and the MS will forward this to the NOP for the Spring 2022 NOSB meeting.

Motion to accept the 2022 research priorities discussion document

Motion by: WT

Seconded by: KH

Further Discussion: none

Yes: 5 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Tall oil, distilled discussion document (WT).** The lead summarized the draft document and the group discussed various pieces. The lead made some proofreading modifications and the MS voted. One member, absent on today's call, cast a yes vote via email, which is reflected in the vote below. The Subcommittee will submit the document for the Spring 2022 NOSB meeting.

Motion to accept the discussion document on tall oil, distilled.

Motion by: WT

Seconded by: MJ

Further Discussion: None

Yes: 6 No: 0 Abstain: 0 Absent: 0 Recuse: 0

- **Excluded Methods Spring 2022 Proposal (MJ/LP).** The lead summarized modifications that were suggested since the last call and the MS moved to a vote. The Proposal will be presented at the Spring 2022 NOSB meeting.

Motion to accept the Excluded Methods Spring 2022 Proposal

Motion by: MJ

Seconded by: LP
 Further Discussion: None
 Yes: 5 No: 0 Abstain: 0 Absent: 1 Recuse: 0

- **Additional Items.** None.
- **The meeting was adjourned**

[Previous MS Notes](#)

Future call schedule (2nd Tuesday 1:00 PM ET | 10:00 AM PT, except where noted)

January 11, 2022 - last call before RPs from HS, CS, LS are due to MS
 Tall oil, distilled (WT) - Discuss/vote
 Excluded Methods Spring 2022 (MJ/LP) - Discuss

February 8, 2022
 Research Priorities DD (WT) - Discuss/vote
 Tall oil, distilled DD(WT) - Discuss/vote
 Excluded Methods Spring 2022 Proposal (MJ/LP) - Discuss/vote

March 8, 2022
 April 12, 2022
 May 10, 2022
 June 14, 2022
 July 12, 2022
 August 09, 2022
 September 13, 2022
 October 11, 2022
 November 08, 2022
 December 13, 2022

Work Agenda

*Highlight indicates discussion. *Highlight indicates action needed. *Highlight indicates review completion and/or vote.

Projects

Project	National List	Contact	Doc Type	Notes	Scheduled, Discussion, Voted	Target meeting
Research Priorities (RP)	N/A	WT	Discussion Document (Spr 2022) Proposal (Fall 2022)	May 2012 Framework Proposal <u>Subcommittee reps to MS:</u> Handling (HS): WT Crops (CS): SE Livestock (LS): KH RPs due to MS from HS, CS, and LS on 1.25.22	11.9.21 1.11.22 2.8.22	Spr 2022
Petition and Technical Report (TR) tracking: Update to TR template	N/A	NOP	NA	Ongoing	11.9.21	N/A
Excluded Methods Spring 2022	N/A	MJ	Proposal		11.9.21 12.14.21	Spr 2022

					1.11.22 2.8.22	
Tall oil, distilled	205.601 205.603	WT	Discussion Document	2008 Petition (distilled tall oil). 2010 TR (tall oil). Petition sent to MS 9.4.20. Petition suff/TR request due 12.8.20. Petition found sufficient 12.8.20, and the MS requested a TR. TR due mid-Aug. TR sent to MS 8.13.21. TR suff due 10.12.21. TR found sufficient 10.12.21. Addendum sent to MS 2.8.22	11.10.20 12.8.20 10.12.21 12.14.21 1.11.22 2.8.22	Spr 2022

Milestones

Spring 2022 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 12, 2021
NOSB - Spring 2022 proposals due to NOP	Feb 16, 2022
New NOSB member training	TBD
NOP - Draft Spring 2022 NOSB meeting tentative agenda	Feb 2, 2022
NOP - Post proposals	Mar 3, 2022
Public comment closes	Apr 1, 2022
NOP - Send compiled public comments to NOSB	Apr 4, 2022
Public comment webinars	Apr 19 & 21, 2022
Spring 2022 NOSB meeting - Crystal City, VA	Apr 26 - 28, 2022
Final recommendations due	May 27, 2022

Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Proposals must be voted on by the full Board, to become recommendations to the USDA. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Materials (MS) (GMO ad hoc) Subcommittee Notes
Tuesday, January 11, 2022 1:00 pm ET

Present: Wood Turner (WT), Chair; Logan Petrey (LP), Vice Chair; Brian Caldwell (BC); Carolyn Dimitri (CD); Steve Ela (SE); Kim Huseman (KH); Mindee Jeffery (MJ)

Absent: None

Staff: Michelle Arsenault (MA); Jared Clark (JC)

Agenda

- December 14, 2021 notes
- Tall oil, distilled (WT) - Discuss/vote on proposal
- Excluded Methods Spring 2022 (MJ/LP) - Discuss
- Research Priorities
- Additional Items
- Adjourn

Discussion

- **December 14, 2021 notes** were approved as written.
- **Tall oil, distilled (WT).** The lead summarized the petitioned uses of tall oil, which is a synthetic substance, and the group reviewed the draft proposal/checklist for petitioned materials. The lead also highlighted the lingering issues about inerts, and the difference between an inert and active ingredient. The group also discussed an upcoming Advance Notice of Proposed Rulemaking (ANPR), which the NOP is drafting to seek information about inerts. This ANPR focuses specifically on alternatives to EPA List 3 and List 4 inerts, which are referenced in the organic regulations, but which the EPA no longer maintains. The MS may choose to put forth a discussion document for the Spring 2022 meeting to glean more community feedback.
- **Excluded Methods Spring 2022 (MJ/LP).** The lead asked for more feedback and contributions for language. The lead also proposed reformatting the tables from previous documents, so they are clearer.
- **Research Priorities.** Members discussed the research priorities and proposed suggestions for getting some of the priorities funded through cooperative agreements rather than just sending them to research organizations such as the National Institute of Food and Agriculture (NIFA) and the Agricultural Research Service (ARS). Members will work on changes for future iterations.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous MS Notes](#)

Future call schedule (2nd Tuesday 1:00 PM ET | 10:00 AM PT, except where noted)

December 14, 2021

Excluded Methods Spring 2022 (MJ/LP) - Discuss review

Tall oil, distilled (WT) - Discuss review

January 11, 2022 - last call before RPs from HS, CS, LS are due to MS

Tall oil, distilled (WT) - Discuss/vote

Excluded Methods Spring 2022 (MJ/LP) - Discuss

February 8, 2022

Research Priorities DD (WT) - Discuss/vote

Tall oil, distilled DD(WT) - Discuss/vote

Excluded Methods Spring 2022 Proposal (MJ/LP) - Discuss/vote

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