

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.

Livestock Subcommittee (LS) Notes **Tuesday, December 6, 2022, 1:00 pm ET**

Present: Mindee Jeffery (MJ) - observer; Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB)

Absent: Liz Graznak (LG)

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

Agenda

- Review November 17, 2022 notes
- 2025 Sunset: Biologics - Vaccines (BC) - discuss
- 2025 Sunset: Electrolytes (BC) - discuss
- 2025 Sunset: Mineral oil (BC- discuss)
- Additional Items
- Adjourn

Discussion

- **November 17, 2022 notes** were accepted as written.
- **2025 Sunset: Biologics - Vaccines (BC).** The lead summarized the draft review and members discussed. More work needs to be done on the livestock vaccines review and the LS will take it up again at a later date.
- **2025 Sunset: Electrolytes (BC).** The lead noted that there is not a specific definition of electrolytes, and offered a suggestion for one. The group discussed the proposed language, and the lead will revise the review as needed.
- **2025 Sunset: Mineral oil (BC).** Deferred to next call.
- **Additional Items.** The LS reassigned one sunset to KH (from JZ) who is not on the subcommittee anymore, and scheduled the remainder of the sunset reviews. See table below.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

November 17, 2022 Thursday

- 2025 Sunset: Aspirin (KH) - discuss
- 2025 Sunset: Biologics - Vaccines (BC) - discuss
- 2025 Sunset: Electrolytes (BC) - discuss

December 6, 2022

- 2025 Sunset: Aspirin (KH) - discuss
- 2025 Sunset: Biologics - Vaccines (BC) - discuss
- 2025 Sunset: Electrolytes (BC) - discuss

December 20, 2022 (Kim out)

- 2025 Sunset: Mineral oil (BC- discuss)
- 2025 Sunset: Alcohols: Ethanol (LG) - discuss
- 2025 Sunset: Alcohols: Isopropanol (LG) - discuss
- 2025 Sunset: Phosphoric acid (ADB) - discuss

January 3, 2023

- Research Priorities
- 2025 Sunset: Lime, hydrated (KH) - discuss

2025 Sunset: Glycerin(e) (KH) - discuss

January 3, 2023
 January 17, 2023
 February 7, 2023
 February 21, 2023
 March 7, 2023
 March 21, 2023
 April 4, 2023
 April 18, 2023

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	Due to MS by Jan 20, 2023	1.3.23	Spr 2023

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Alcohols: Ethanol	205.603(a)(1)(i)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22 12.20.22	Summary: Spr 2023 Review: Fall 2023
Alcohols: Isopropanol	205.603(a)(1)(ii)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22 12.20.22	“ “
Aspirin	205.603(a)(2)	KH	N	Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22 12.6.22	“ “

Biologics - Vaccines	205.603(a)(4)	BC	N	Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22 12.6.22	“ “
Electrolytes	205.603(a)(11)	BC	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22 12.6.22	“ “
Glycerin(e)	205.603(a)(14)	KH	N	Sunset date: 6/22/2025 TAP: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22 1.3.23	“ “
Phosphoric acid	205.603(a)(25)	ADB	Y - Lmt'd Scope	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105 TR sent to LS 12.2.22	3.15.22 1.3.22	“ “
Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22 1.3.23	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22 12.20.22	“ “

Milestones

Spring 2023 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Nov 10, 2022	
NOSB - Spring 2023 proposals due to NOP	Feb 14, 2023	10 weeks
New NOSB member training	TBD	
NOP - Draft Spring 2023 NOSB meeting tentative agenda	Feb 3, 2023	
NOP - Post proposals	Mar 6, 2023	7.5
Public comment closes	Apr 5, 2023	3.5
NOP - Send compiled public comments to NOSB	Apr 7, 2023	3
Public comment webinars	Apr 18 & 20, 2023	1 week

Spring 2023 NOSB meeting - Atlanta, GA	Apr 25 - 27, 2023	
Final recommendations due	May 25, 2023	

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Livestock Subcommittee (LS) Notes **Thursday, November 17, 2022, 1:00 pm ET**

Present: Nate Powell-Palm (NPP); Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB);

Absent: Javier Zamora (JZ); Liz Graznak (LG)

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

Agenda

- Review October 4, 2022 notes
- Fall 2022 meeting debrief
- Schedule 2025 sunset discussions
- Additional Items
- Adjourn

Discussion

- **October 4, 2022 notes** were accepted as written.
- **Fall 2022 meeting debrief.** Members discussed the meeting process and the experience of participating in their first in-person meeting.
- **Final recommendations.** The LS reviewed the templates for the final recommendations and will submit the final documents to NOP by November 30.
- **Schedule 2025 sunset discussions.** The first draft of the 2025 sunset reviews are due Nov 30. The LS scheduled discussion dates for the sunset reviews (see table below).
- **Additional Items.** The LS Chair will contact absent members to let them know about the review timeline for the 2025 sunsets.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

November 1, 2022 - cancelled.

November 17, 2022 Thursday

December 6, 2022

2025 Sunset: Aspirin (KH) - discuss

2025 Sunset: Biologics - Vaccines (BC) - discuss

2025 Sunset: Electrolytes (BC) - discuss

2025 Sunset: Lime, hydrated (KH) - discuss

2025 Sunset: Mineral oil (BC) - discuss

December 20, 2022

2025 Sunset: Alcohols: Ethanol (LG) - discuss

2025 Sunset: Alcohols: Isopropanol (LG) - discuss

2025 Sunset: Glycerin(e) (JZ) - discuss

2025 Sunset: Phosphoric acid (ADB) - discuss

January 3, 2023

Research Priorities

January 17, 2023

February 7, 2023

February 21, 2023

March 7, 2023

March 21, 2023
 April 4, 2023
 April 18, 2023

Work Agenda

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Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	Due to MS by Jan 20, 2023	1.3.23	Spr 2023

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
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Alcohols: Isopropanol	205.603(a)(1)(ii)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22 12.20.22	“ “
Aspirin	205.603(a)(2)	KH	N	Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22 12.6.22	“ “
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Electrolytes	205.603(a)(11)	BC	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22 12.6.22	“ “
Glycerin(e)	205.603(a)(14)	JZ	N	Sunset date: 6/22/2025 TAP: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22 12.20.22	“ “
Phosphoric acid	205.603(a)(25)	ADB	Y - Lmt'd Scope	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105 TR sent to LS XXXX	3.15.22 12.20.22	“ “
Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22 12.6.22	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22 12.6.22	“ “

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Livestock Subcommittee (LS) Notes Tuesday, September 20, 2022, 3:00 pm ET

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Liz Graznak (LG);

Absent: Nate Powell-Palm (NPP); Javier Zamora (JZ)

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

Agenda

- Review July 19, 2022 notes
- Discuss review of public comment (All)
- Additional Items
- Adjourn

Discussion

- **July 19, 2022 notes** were approved via email.
- **Discuss review of public comment (All).** Members discussed the written comments, and strategy for searching and summarizing them at the meeting.
- **Additional Items.** The LS will start reviewing the 2025 sunsets after the Fall meeting.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

September 20, 2022 - cancelled

October 4, 2022 - discuss public comment

October 18, 2022 - cancelled. Public comment webinar.

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

Work Agenda

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Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	RPs due to MS 7.11.22	1.18.22 6.7.22 7.19.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22 6.7.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22 7.19.22	“ “
Tolazoline	205.603(a)(29)	ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21 7.19.22	“ “
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21 5.17.21	“ “
Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “

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

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Cont act	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Alcohols: Ethanol	205.603(a)(1)(i)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	Summary: Spr 2023 Review: Fall 2023
Alcohols: Isopropanol	205.603(a)(1)(ii)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Aspirin	205.603(a)(2)	KH	N	Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Biologics - Vaccines	205.603(a)(4)	BC	N	Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “
Electrolytes	205.603(a)(11)	BC	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Glycerin(e)	205.603(a)(14)	JZ	N	Sunset date: 6/22/2025 TAP: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Phosphoric acid	205.603(a)(25)	ADB	Y - Lmt'd Scope	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22	“ “
Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “

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Livestock Subcommittee (LS) Notes **Tuesday, July 19, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Nate Powell-Palm (NPP); Liz Graznak (LG); Javier Zamora (JZ); Mindee Jeffery (MJ) - observer

Absent:

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

Agenda

- Review June 7, 2022 notes
- 2024 Sunsets: Tolazoline (ADB) - discuss/vote
- 2024 Sunsets: Copper sulfate (NPP) - discuss/vote
- 2024 Sunsets: Lidocaine (NPP) - discuss/vote
- 2024 Sunsets: Glucose (LG) - discuss/vote
- Additional Items
- Adjourn

Discussion

- **June 7, 2022 notes** were accepted as written.
- **2024 Sunsets: Tolazoline (ADB).** The lead summarized the substance and also discussed the review of xylazine, which is used to reverse the effects of sedation caused by xylazine. The two substances used to undergo review at the same time, but during the sunset reorganization, they were split. The Subcommittee will add language to the review suggesting that both substances get reviewed simultaneously for the next sunset. The group moved to a vote.

Motion to remove tolazoline from the National List

Motion by: Amy Bruch

Seconded by: Kim Huseman

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

- **2024 Sunsets: Copper sulfate (NPP).** The lead summarized the uses of copper sulfate and noted the environmental issues. Commenters noted essentiality, and acknowledged that zinc sulfate is an available alternative. A member suggested adding some language to the review about zinc sulfate, which the lead will do. The LS moved to a vote.

Motion to remove copper sulfate from the National List

Motion by: Nate Powell-Palm

Seconded by: Brian Caldwell

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

- **2024 Sunsets: Lidocaine (NPP).** The lead summarized the uses of lidocaine, which is used as an anesthetic. The community was supportive of lidocaine remaining on the National List based on its essentiality for animal welfare.

Motion to remove lidocaine from the National List

Motion by: Nate Powell-Palm

Seconded by: Amy Bruch

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

- **2024 Sunsets: Glucose (LG).** The lead summarized the uses of glucose, which is used for animal health purposes in cattle. Though there weren't many comments from stakeholders, most were in favor of retaining it on the list.

Motion to remove glucose from the National List

Motion by: Liz Graznak

Seconded by: Kim Huseman

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

- **Additional Items.**
 - **Research priorities (KH).** The LS discussed the current research priorities and may reevaluate # 1: Efficiency of Natural Parasiticides and Methodologies and #3: Prevention and Management of Parasites, as they seem redundant. The LS Chair will modify the list and send it back to the Materials Subcommittee before the August 9 call.
 - **Meeting schedule.** The LS has completed its work for the Fall meeting and canceled the August 2 call. They may cancel other calls as needed.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

July 5, 2022

July 19, 2022

2024 Sunsets: Tolazoline (ADB) - discuss/vote

2024 Sunsets: Copper sulfate (NPP) - discuss/vote

2024 Sunsets: Lidocaine (NPP) - discuss/vote

2024 Sunsets: Glucose (LG) - discuss/vote

August 2, 2022 - cancelled.

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022 - discuss public comment

October 18, 2022 - cancelled. Public comment webinar.

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

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Glucose	205.603(a)(13)	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22 7.19.22	“ “
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Milestones

Fall 2022 Milestones	Target dates (tentative)
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NOP - Post proposals	Aug 31, 2022

Public comment closes	Sep 29, 2022
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Final recommendations due	Nov 25, 2022

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Phosphoric acid	205.603(a)(25)	ADB	N - will submit questions for contractor	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22	“ “

Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “

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.

Livestock Subcommittee (LS) Notes **Tuesday, June 7, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Nate Powell-Palm (NPP)

Absent: Liz Graznak (LG); Javier Zamora (JZ)

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

Agenda

- Review May 17, 2022 notes
2024 Sunsets: Chlorhexidine (KH) - discuss/vote
2024 Sunsets: Glucose (LG) - discuss/vote
- Research Priorities (KH) - discuss Additional Items
- Adjourn

Discussion

- **May 17, 2022 notes** were accepted with minor revisions suggested by a member.
- **2024 Sunsets: Chlorhexidine (KH).** The lead summarized the uses of chlorhexidine, and the comments received at the Spring meeting. Chlorhexidine is used as a disinfectant, as well as a teat dip.

Motion to remove chlorhexidine at § 205.603(a) on the National List

Motion by: KH

Seconded by: ADB

Yes: 0 No: 4 Abstain: 0 Absent: 2 Recuse: 0

- **2024 Sunsets: Glucose (LG).** Deferred to July 19 call.
- **Research Priorities (RPs) (KH).** The lead summarized comments from the Spring 2022 meeting regarding the Livestock Research Priorities. Members discussed several of the current RPs and whether or not they are still relevant and necessary, and should remain on the list. The Materials Subcommittee has been discussing other organizations research priorities, such as the Organic Farming Research Foundation, and will review both lists to compare and contrast. BC will compare the two lists and provide feedback on the next call.
- **Additional Items.**
 - **TRs for 2025 sunsets.** The LS will not request TRs for phosphoric acid or biologics - vaccines, as previously decided, and instead will submit a couple of targeted questions about phosphoric acid alternatives.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

May 17, 2022

2024 Sunsets: Elemental sulfur (BC) - discuss/vote

Determine TR needs: remaining 2025 sunsets

June 7, 2022

2024 Sunsets: Chlorhexidine (KH) - discuss/vote

2024 Sunsets: Glucose (LG) - discuss/vote

Research Priorities (KH) - discuss

June 21, 2022 - cancelled

July 5, 2022

July 19, 2022

2024 Sunsets: Tolazoline (ADB) - discuss/vote

2024 Sunsets: Copper sulfate (NPP) - discuss/vote

2024 Sunsets: Lidocaine (NPP) - discuss/vote

2024 Sunsets: Glucose (LG) - discuss/vote

Research Priorities (KH) - discuss, finalize list for Materials Subcomm

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022 - cancelled. Public comment webinar.

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	RPs due to MS 7.11.22	1.18.22 6.7.22 7.19.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22 6.7.22	Summary: Spr 2022 Review: Fall 2022

Glucose	205.603(a)(13))	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22 7.19.22	“ “
Tolazoline	205.603(a)(29))	ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21 7.19.22	“ “
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21 5.17.21	“ “
Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “

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

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Cont act	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Alcohols: Ethanol	205.603(a)(1)(i)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	Summary: Spr 2023 Review: Fall 2023
Alcohols: Isopropanol	205.603(a)(1)(ii)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Aspirin	205.603(a)(2)	KH	N	Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Biologics - Vaccines	205.603(a)(4)	BC	N	Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “
Electrolytes	205.603(a)(11)	BC	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Glycerin(e)	205.603(a)(14)	JZ	N	Sunset date: 6/22/2025 TAP: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Phosphoric acid	205.603(a)(25)	ADB	N - will submit questions for contractor	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22	“ “
Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “

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.

Livestock Subcommittee (LS) Notes **Tuesday, May 17, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Liz Graznak (LG); Mindee Jeffery (MJ) - observer; Javier Zamora (JZ)

Absent: Nate Powell-Palm (NPP)

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

Agenda

- Review April 5, 2022 notes
- Additional Items
- Adjourn

Discussion

- **April 5, 2022 notes** were accepted as written
- **2024 Sunsets: Elemental sulfur (BC).** The lead summarized the uses of elemental sulfur and noted that commenters were strongly in favor of retaining it on the National List. Commenters didn't provide efficacy information about alternatives.

Motion to remove elemental sulfur from the National List

Motion by: KH

Seconded by: LG

Yes: 0 No: 4 Abstain: 0 Recuse: 0 Absent: 2

- **Determine TR needs: remaining 2025 sunsets.** The LS determined the needs for the remaining 2025 sunset materials. See table below.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

April 5, 2022

Discuss public comment process for Spring NOSB meeting

Determine TR needs: 2025 sunsets

Schedule discussion dates for 2024 sunsets

April 19, 2022 - cancelled

May 3, 2022 - cancelled

May 17, 2022

2024 Sunsets: Elemental sulfur (BC) - discuss/vote

Determine TR needs: remaining 2025 sunsets

June 7, 2022

2024 Sunsets: Chlorhexidine (KH) - discuss/vote

2024 Sunsets: Glucose (LG) - discuss/vote

Research Priorities (KH) - discuss

June 21, 2022

July 5, 2022

July 19, 2022

2024 Sunsets: Tolazoline (ADB) - discuss/vote

2024 Sunsets: Copper sulfate (NPP) - discuss/vote

2024 Sunsets: Lidocaine (NPP) - discuss/vote

Research Priorities (KH) - discuss, finalize list for Materials Subcomm

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022 - cancelled. Public comment webinar.

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	RPs due to MS 7.11.22	1.18.22 6.7.22 7.19.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22 6.7.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22 6.7.22	“ “

Tolazoline	205.603(a)(29)	ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21 7.19.22	“ “
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21 5.17.21	“ “
Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “

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

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Alcohols: Ethanol	205.603(a)(1)(i)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	Summary: Spr 2023 Review: Fall 2023

Alcohols: Isopropanol	205.603(a)(1)(ii)	LG	N	Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Aspirin	205.603(a)(2)	KH	N	Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Biologics - Vaccines	205.603(a)(4)	BC	Y - Lmt'd scope	Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “
Electrolytes	205.603(a)(11)	BC	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Glycerin(e)	205.603(a)(14)	JZ	N	Sunset date: 6/22/2025 TAP: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Phosphoric acid	205.603(a)(25)	ADB	Y - Lmt'd scope	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22	“ “
Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “

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.

Livestock Subcommittee (LS) Notes **Tuesday, April 5, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Nate Powell-Palm (NPP); Liz Graznak (LG); Javier Zamora (JZ)

Absent: None

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

Agenda

- Review March 15, 2022 notes
- Discuss public comment process for Spring NOSB meeting
- Determine TR needs: 2025 sunsets
- Schedule discussion dates for 2024 sunsets
- Additional Items
- Adjourn

Discussion

- **March 15, 2022 notes** accepted as written.
- **Discuss public comment process for Spring NOSB meeting.** The LS briefly summarized the process for presenting sunset reviews at the Spring meeting.
- **Determine TR needs: 2025 sunsets.** The group discussed the need for TRs for 2025 sunsets and will complete the rest on the next call. See table below.
 - **Biologics - Vaccines.** The LS will request a limited scope TR, and will compile questions to send to NOP.
- **Schedule discussion dates for 2024 sunsets.** See table below.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

March 15, 2022

April 5, 2022

Discuss public comment process for Spring NOSB meeting

Determine TR needs: 2025 sunsets

Schedule discussion dates for 2024 sunsets

April 19, 2022 - cancelled

May 3, 2022 - cancelled

May 17, 2022

2024 Sunsets: Elemental sulfur (BC) - discuss/vote

Determine TR needs: remaining 2025 sunsets

June 7, 2022

June 21, 2022

July 5, 2022

Research Priorities - discuss, finalize list for Materials Subcomm

July 19, 2022

2024 Sunsets: Chlorhexidine (KH) - discuss/vote

2024 Sunsets: Tolazoline (ADB) - discuss/vote
 2024 Sunsets: Copper sulfate (NPP) - discuss/vote
 2024 Sunsets: Lidocaine (NPP) - discuss/vote

August 2, 2022

2024 Sunsets: Glucose (LG) - discuss/vote

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	RPs due to MS 7.11.22	1.18.22 7.5.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22 7.19.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22 8.2.22	" "

Tolazoline	205.603(a)(29)	ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21 7.19.22	“ “
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21 5.17.21	“ “
Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22 7.19.22	“ “

Milestones

Spring 2022 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Mar 3, 2022
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

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Alcohols: Ethanol	205.603(a)(1)(i)	LG		Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	Summary: Spr 2023 Review: Fall 2023
Alcohols: Isopropanol	205.603(a)(1)(ii)	LG		Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “

Aspirin	205.603(a)(2)	KH	N	Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Biologics - Vaccines	205.603(a)(4)	BC	Y - Lmtd scope	Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “
Electrolytes	205.603(a)(11)	BC	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Glycerin(e)	205.603(a)(14)	JZ		Sunset date: 6/22/2025 TR: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	5.17.22	“ “
Phosphoric acid	205.603(a)(25)	ADB	Y - Lmt'd scope	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22	“ “
Lime, hydrated	205.603(b)(6)	KH	N	Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “

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.

Livestock Subcommittee (LS) Notes **Tuesday, March 15, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Nate Powell-Palm (NPP); Liz Graznak (LG)

Absent: Javier Zamora (JZ)

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

Agenda

- Review March 1, 2022 notes
- Introduce new members
- Discuss TR request process: 2025 sunsets
- Additional Items
- Adjourn

Discussion

- **March 1, 2022 notes** were accepted as written.
- **New members.** The LS Chair introduced Liz Graznak, who is new to the Board and Livestock Subcommittee.
- **TR request process: 2025 sunsets.** The group discussed the process for determining the need for TRs, and requested two. The LS will make the final determinations on the April 5 call. See table below for list.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

March 1, 2022

March 15, 2022

April 5, 2022

Discuss public comment process for Spring NOSB meeting

Determine TR needs: 2025 sunsets

Schedule discussion dates for 2024 sunsets

April 19, 2022 - cancelled

May 3, 2022

May 17, 2022

June 7, 2022

June 21, 2022

July 5, 2022

July 19, 2022

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022

November 1, 2022
 November 15, 2022
 December 6, 2022
 December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	RPs due to MS 1.25.22	7.20.21 12.7.21 1.4.22 1.18.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22	“ “
Tolazoline	205.603(a)(29)	ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21	“ “
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	“ “
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21	“ “

Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	“ “
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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

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Alcohols: Ethanol	205.603(a)(1)(i)	LG		Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	Summary: Spr 2023 Review: Fall 2023
Alcohols: Isopropanol	205.603(a)(1)(ii)	LG		Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Aspirin	205.603(a)(2)	KH		Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Biologics - Vaccines	205.603(a)(4)	BC	Y	Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods)	3.15.22 4.5.22	“ “

				2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		
Electrolytes	205.603(a)(11)	BC		Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Glycerin(e)	205.603(a)(14)	JZ		Sunset date: 6/22/2025 TR: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Phosphoric acid	205.603(a)(25)	ADB	Y - Lmt'd scope	Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “
Lime, hydrated	205.603(b)(6)	KH		Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Mineral oil	205.603(b)(7)	BC	N?	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	3.15.22 4.5.22	“ “

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.

Livestock Subcommittee (LS) Notes **Tuesday, March 1, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB)

Absent: Nate Powell-Palm (NPP); Liz Graznak (LG); Javier Zamora (JZ)

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

Agenda

- Review February 1, 2022 notes
- Discuss April 2022 NOSB meeting
- Assign leads/Determine TR needs: 2025 sunsets
- Additional Items
- Adjourn

Discussion

- **February 1, 2022 notes** were approved via email on February 16, 2022.
- **Discuss April 2022 NOSB meeting.** The group briefly discussed the process for presenting sunset reviews at the NOSB meeting, and reviewed the draft agenda for the meeting.
- **Assign leads: 2025 sunsets.** The LS has 9 substances on the 2025 sunset list, and each member chose substances to review. The group will determine TR requests on the April 5 call. See table below for assignments.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

February 15, 2022 - cancelled

March 1, 2022

March 15, 2022

April 5, 2022

Discuss public comment for Spring NOSB meeting

Determine TR needs: 2025 sunsets

April 19, 2022 - cancelled

May 3, 2022

May 17, 2022

June 7, 2022

June 21, 2022

July 5, 2022

July 19, 2022

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022

November 1, 2022

November 15, 2022
 December 6, 2022
 December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	All	RP's due to MS 1.25.22	7.20.21 12.7.21 1.4.22 1.18.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	LG	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22	" "
Tolazoline	205.603(a)(29)	ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21	" "
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	" "
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21	" "

Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	“ “
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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

2025 Sunset Review

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Ethanol	205.603(a)(1)(i)	LG		Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	Summary: Spr 2023 Review: Fall 2023
Isopropanol	205.603(a)(1)(ii)	LG		Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Aspirin	205.603(a)(2)	KH		Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ “
Biologics - Vaccines	205.603(a)(4)	BC		Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods)	4.5.22	“ “

				2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		
Electrolytes	205.603(a)(11)	BC		Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ ”
Glycerin(e)	205.603(a)(14)	JZ		Sunset date: 6/22/2025 TR: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ ”
Phosphoric acid	205.603(a)(25)	ADB		Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ ”
Lime, hydrated	205.603(b)(6)	KH		Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ ”
Mineral oil	205.603(b)(7)	BC	N	Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	4.5.22	“ ”

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.

Livestock Subcommittee (LS) Notes **Tuesday, February 1, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Nate Powell-Palm (NPP); Kyla Smith (KS); Mindee Jeffrey (MJ) - observer

Absent: Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB)

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

Agenda

- **January 18, 2022 notes**
- 2024 Sunsets: Glucose (KH) - Discuss review
- Additional Items
- Adjourn

Discussion

- **January 18, 2022 notes** were accepted as written
- **2024 Sunsets: Glucose (KH).** The lead summarized the draft review and the group had a brief discussion. A member added some details about recent on-farm livestock inspections regarding pasture and nutritional requirements. The LS will submit the review for the Spring meeting.
- **Additional Items.** The LS has completed its agenda for the Spring meeting, and may cancel the next call.
- **The meeting was adjourned**

- [Previous LS Notes](#)

- **Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)**

January 18, 2022 - Last call before Research Priorities are due to MS (01.25.22)

Research Priorities - Finalize document

2024 Sunsets: Copper sulfate (NPP) - Discuss review

2024 Sunsets: Lidocaine (NPP) - Discuss review

February 1, 2022

2024 Sunsets: Glucose (KH) - Discuss review

February 15, 2022 - Last call before proposal deadline (02.16.22)

March 1, 2022

March 15, 2022

April 5, 2022

April 19, 2022

May 3, 2022

May 17, 2022

June 7, 2022

June 21, 2022

July 5, 2022

July 19, 2022

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022

November 1, 2022
 November 15, 2022
 December 6, 2022
 December 20, 2022

- Work Agenda**

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

- Petitioned Substances**

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

- Other Projects**

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB/All	RP's due to MS 1.25.22	7.20.21 12.7.21 1.4.22 1.18.22	Spr 2022

- 2024 Sunset Review**

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request ?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ/ ADB	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22	" "
Tolazoline	205.603(a)(29)	SB/A DB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21	" "
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	" "
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21	" "

Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	“ “
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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

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- **2025 Sunset Review**

TR Requests (June 2022), Summary (Spr 2023), Review (Fall 2023)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Ethanol	205.603(a)(1)(i)			Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		Summary: Spr 2023 Review: Fall 2023
Isopropanol	205.603(a)(1)(ii)			Sunset date: 6/22/2025 TR: 2014 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		“ “

Aspirin	205.603(a)(2)			Sunset date: 6/22/2025 TR: 2017 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		“ “
Biologics - Vaccines	205.603(a)(4)			Sunset date: 6/22/2025 TR: 2014 (Vaccines-aquaculture) TR: 2011 (Vaccines Made from Excluded Methods) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		“ “
Electrolytes	205.603(a)(11)			Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		“ “
Glycerin(e)	205.603(a)(14)			Sunset date: 6/22/2025 TR: 2010 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		“ “
Phosphoric acid	205.603(a)(25)			Sunset date: 6/22/2025 TR: 2021 (Handling) TR: 2003 (Handling) 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105		“ “

Lime, hydrated	205.603(b)(6)			Sunset date: 6/22/2025 TR: 2015 TAP: 1995 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	“ “
Mineral oil	205.603(b)(7)			Sunset date: 6/22/2025 TR (Limited Scope) 2021 TR: 2015 2018/Fall - Rec to Renew 05/07/2020, 85 FR 27105	“ “

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.

Livestock Subcommittee (LS) Notes **Tuesday, January 18, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Sue Baird (SB); Amy Bruch (ADB); Nate Powell-Palm (NPP); Kyla Smith (KS); Mindee Jeffrey (MJ) - observer

Absent: None

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

Agenda

- January 4, 2022 notes
- Research Priorities - Finalize document
- 2024 Sunsets:
 - Glucose (KH) - Discuss review
 - Copper sulfate (NPP) - Discuss review
 - Lidocaine (NPP) - Discuss review
- Additional Items
- Adjourn

Discussion

- **January 4, 2022 notes** were accepted as written.
- **Research Priorities.** Members discussed the draft list of research priorities. Several commenters and NOSB members suggested removing one priority regarding Livestock breeding, because it seems too broad. Members discussed how to rescope this priority to narrow the focus. One member noted the potential link to climate change initiatives and another member added that research in this area would support the dairy industry. Members also revisited the topic of DL-methionine. The Chair will modify the document based on feedback from members and the group will discuss it more later this week to finalize it so they can get it to the Materials Subcommittee.
- **2024 Sunsets:**
 - **Glucose (KH).** Deferred to next call.
 - **Copper sulfate (NPP).** The lead summarized the use of copper sulfate in livestock. A member noted that zinc sulfate, which is a recently new addition to the National List, is an alternative.
 - **Lidocaine (NPP).** The lead summarized the draft review, and noted that at the last sunset review, the NOSB also passed a recommendation to reduce the withdrawal period from 90 days to 8 days. Lidocaine is important to animal welfare, is generally supported by the community, and has a low environmental impact.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

January 4, 2022

2024 Sunsets

Chlorhexidine (KH) - Discuss review

Glucose (KH/MJ-lead emeritus) - Determine TR sufficiency/discuss review, assign lead

Research Priorities

January 18, 2022 - Last call before Research Priorities are due to MS (01.25.22)

Research Priorities - Finalize document
 2024 Sunsets: Copper sulfate (NPP) - Discuss review
 2024 Sunsets: Lidocaine (NPP) - Discuss review

February 1, 2022

2024 Sunsets: Glucose (KH) - Discuss review

February 15, 2022 - Last call before proposal deadline (02.16.22)

March 1, 2022

March 15, 2022

April 5, 2022

April 19, 2022

May 3, 2022

May 17, 2022

June 7, 2022

June 21, 2022

July 5, 2022

July 19, 2022

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB/All	RPs due to MS 1.25.22	7.20.21 12.7.21 1.4.22 1.18.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ/ ADB	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 2.1.22	“ “
Tolazoline	205.603(a)(29)	SB/A DB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21	“ “
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	“ “
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21	“ “
Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	“ “

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
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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.

Livestock Subcommittee (LS) Notes **Tuesday, January 04, 2022, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Sue Baird (SB); Amy Bruch (ADB); Nate Powell-Palm (NPP); Kyla Smith (KS); Mindee Jeffrey (MJ) - observer

Absent: None

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

Agenda

- December 7, 2021 notes
- Discuss 2024 Sunsets:
 - Chlorhexidine (KH) - Discuss review
 - Glucose (TBD/MJ-guest) - Determine TR sufficiency/discuss review, assign lead
- Research Priorities
- Additional Items
- Adjourn

Discussion

- **December 7, 2021 notes** were accepted as written.
- **2024 Sunsets:**
 - **Chlorhexidine (KH)** - The lead summarized the uses of chlorhexidine, which is used as an antimicrobial during surgery, a sanitizer, and as a pre-and- post-teat dip. The group discussed the fact that there are alternatives to chlorhexidine on the list, and it is not used extensively, but important to have as an option. The lead will add a couple of questions to the review for public comment and will submit the document to the NOP for the Spring meeting.
 - **Glucose (MJ-lead emeritus) - TR sufficiency.** The lead emeritus (MJ) briefly summarized the TR and the LS found it sufficient. KH will take the lead and will transfer it to one of the new members for presentation at the Spring meeting once they are appointed.
- **Research Priorities** - Members discussed the four research priorities for Livestock and chose to remove one: Research and develop livestock breeding programs resulting in livestock that are adapted to outdoor life and living vegetation. Members felt that this was too broad to be a research topic, and commenters suggested that it has already been done, and therefore it doesn't need to be on the list. The LS Chair will summarize today's conversation and the LS will discuss the priorities once more on the January 18 call.
- **Additional Items.** None.
- **The meeting was adjourned**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 PM ET | 12:00 PM PT, except where noted)

December 7, 2021

2024 Sunsets

Elemental sulfur (BC) - Discuss review

Additional Items

Research Priorities

Assign and reassign leads as needed

International Acceptance

December 21, 2021 - canceled

January 4, 2022

2024 Sunsets

Chlorhexidine (KH) - Discuss review

Glucose (KH/MJ-lead emeritus) - Determine TR sufficiency/discuss review, assign lead

Research Priorities

January 18, 2022 - Last call before Research Priorities are due to MS (01.25.22)

Research Priorities - Finalize document

2024 Sunsets:

Glucose (KH) - Discuss review

Copper sulfate (NPP) - Discuss review

Lidocaine (NPP) - Discuss review

February 1, 2022

February 15, 2022 - Last call before proposal deadline (02.16.22)

March 1, 2022

March 15, 2022

April 5, 2022

April 19, 2022

May 3, 2022

May 17, 2022

June 7, 2022

June 21, 2022

July 5, 2022

July 19, 2022

August 2, 2022

August 16, 2022

September 6, 2022

September 20, 2022

October 4, 2022

October 18, 2022

November 1, 2022

November 15, 2022

December 6, 2022

December 20, 2022

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB/All	RP's due to MS 1.25.22	7.20.21 12.7.21 1.4.22 1.18.22	Spr 2022

2024 Sunset Review

TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

Substance	National List	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Chlorhexidine	205.603(a)(9)	KH	N	Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.4.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ /ADB	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew LS requested TR 6.16.21. TR due to NOP early Nov. TR sent to LS 11.29.21. TR suff due 1.28.22. TR found sufficient 1.4.22	5.18.21 6.1.21 11.16.21 1.4.22 1.18.22	" "
Tolazoline	205.603(a)(29)	SB/ADB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21	" "
Copper sulfate	205.603(b)(1)	NPP	N	Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	" "
Elemental sulfur	205.603(b)(2)	BC	N	Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21 12.7.21	" "
Lidocaine	205.603(b)(5)	NPP	N	Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21 1.18.22	" "

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