

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, November 16, 2021, 3:00 pm ET**

Present: Kim Huseman (KH), Chair; Brian Caldwell (BC), Vice Chair; Amy Bruch (ADB); Nate Powell-Palm (NPP); Sue Baird (SB) - member emeritus/observer; Mindee Jeffery (MJ) - member emeritus/observer

Absent: Kyla Smith (KS)

Staff: Michelle Arsenault (MA); Jared Clark (JC); Andrea Holm (AH)

Agenda

- October 5th, 2021 notes
- Discuss Sunsets:
 - 2024 Sunset: Glucose (MJ) - Discuss review
 - 2024 Sunset: Tolazoline (SB) - Discuss review
- Additional Items
- Adjourn

Discussion

- **October 5th, 2021 notes** were accepted as written.
- **Discuss Sunsets:**
 - **2024 Sunset: Glucose (MJ)** - The lead discussed the 2015 and 2017 sunset reviews. A new Technical Report (TR) is pending. Current sunset review content may change upon receipt of this pending TR. In the 2015 and 2017 sunset reviews there were no highlighted environmental or human health concerns and there was general support for relisting. LS members discussed the usage of glucose in organic production. A member questioned the commercial availability of nonsynthetic glucose, and the members discussed including this as a stakeholder question. The lead will rewrite the draft and resend to the LS Chair.
 - **2024 Sunset: Tolazoline (SB)** - The lead discussed the use of tolazoline in organic production its relationship to xylazine, international acceptance, environmental issues, and the most recent sunset review. The lead asked if members had any additional questions for stakeholders and received none. LS will submit the review to NOP for the Spring meeting.
- **Additional Items**
 - **Status of January 4th call** - Reversed decision to cancel, glucose TR sufficiency is planned for discussion.
- **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)

October 5, 2021

Discuss public comments//Process for presenting

Assign discussion dates for work agenda items/2024 sunset reviews

October 19, 2021- cancelled due to NOSB meeting

November 2, 2021 - cancelled

November 16, 2021

2024 Sunset: Glucose (MJ) - Discuss review

2024 Sunset: Tolazoline (SB) - Discuss review

December 7, 2021
 Research Priorities
 2024 Sunset: Elemental sulfur (BC) - Discuss review
 December 21, 2021 - cancelled
 January 4, 2022
 2024 Sunset: Glucose (TBD) - Determine TR sufficiency/discuss review
 January 18, 2022
 2024 Sunset: Chlorhexidine (KH) - Discuss review
 2024 Sunset: Copper sulfate (NPP) - Discuss review
 2024 Sunset: Lidocaine (NPP) - Discuss review
 February 1, 2022
 February 15, 2022 - Last call before proposal deadline
 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

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	RPs due to MS 1.25.22	7.20.21 12.7.21	Spr 2022

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

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 1.18.22	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	TBD	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	5.18.21 6.1.21 11.16.21 1.4.21	“ “
Tolazoline	205.603(a)(29)	SB	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 20 & 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.

Livestock Subcommittee (LS) call
Tuesday, October 5, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Steve Ela (SE); Brian Caldwell (BC); Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP)

Absent: None

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

Agenda

- Review September 7 notes
- Discuss public comments/Process for presenting
- Assign discussion dates for work agenda items/2024 sunset reviews
- Additional items
- Adjourn

Discussion

- **September 7 notes** were accepted as written
- **Discuss public comments/Process for presenting.** The members briefly discussed public comments, the comment process, and presentations at the Fall NOSB meeting.
- **Discussion dates for work agenda items/2024 sunset reviews.** See tables below.
- **Additional items.** The Livestock Subcommittee cancelled a couple calls since it has a light agenda.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

September 21, 2021- Cancelled

October 5, 2021

Discuss public comments//Process for presenting

Assign discussion dates for work agenda items/2024 sunset reviews

October 19, 2021- cancelled due to NOSB meeting

November 2, 2021 - cancelled

November 16, 2021

2024 Sunset: Glucose (MJ) - discuss review

2024 Sunset: Tolazoline (SB) - discuss review

December 7, 2021

Research Priorities

2024 Sunset: Elemental sulfur (BC) - discuss review

December 21, 2021 - cancelled

January 4, 2022 - cancelled?

January 18, 2022

2024 Sunset: Chlorhexidine (KH) - discuss review

2024 Sunset: Copper sulfate (NPP) - discuss review

2024 Sunset: Lidocaine (NPP) - discuss review

February 1, 2022

February 15, 2022 - Last call before proposal deadline

March 1, 2022

March 15, 2022

Work Agenda

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	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs due to MS 7.20.21	7.20.21 12.7.21	Fall 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21. TR found sufficient 4.6.21.	7.20.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	"
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	"
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	"
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due in July. TR sent to LS 8.6.21. TR suff due 10.5.21. TR found sufficient 9.7.21	8.3.21 9.7.21	"

Mineral Oil	205.603(a)(20)	SB	L'mtd TR on intern al use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.20.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	6.1.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	6.1.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.20.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.20.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	7.20.21	“

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
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Glucose	205.603(a)(13)	MJ	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew	5.18.21 6.1.21 11.16.21	" "
Tolazoline	205.603(a)(29)	SB	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

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 13 & 14, 2021
Fall 2021 NOSB meeting - Virtual	Oct 19 - 21, 2021

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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Final recommendations due	May 27, 2022

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Livestock Subcommittee (LS) call
Tuesday, September 7, 2021, 3:00 pm ET

Attending: Steve Ela (SE); Nate Powell-Palm (NPP); Brian Caldwell (BC); Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Kim Huseman (KH), Chair

Absent: None

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

Agenda

- August 3 notes were approved via email August 17, 2021
- 2023 Sunset: Kaolin pectin (KH) - Discuss TR sufficiency
- Additional items
- Adjourn

Discussion

- **The August 3 notes** were approved via email August 17, 2021
- **2023 Sunset: Kaolin pectin (KH).** The lead summarized the TR noting that it was requested because in a previous review there may have been a question about classification. She also reviewed the current listing and uses for kaolin pectin. The Livestock Subcommittee found the TR sufficient and will proceed with its sunset review at the Fall meeting.
- **Additional items.** The LS will cancel the September 21 call.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

August 3, 2021

2023 Sunset: Kaolin pectin (KH) - Discuss review/vote

August 17, 2021 - cancelled

September 7, 2021

2023 Sunset: Kaolin pectin (KH) - Discuss TR sufficiency

September 21, 2021- cancelled

October 5, 2021

Review Public comment

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

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	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs due to MS 7.20.21	7.20.21	Fall 2021

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2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

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Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	"
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	"
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	"
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Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.20.21	“
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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
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Milestones

Fall 2021 Milestones	Target dates (tentative)
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Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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Livestock Subcommittee (LS) call
Tuesday, August 3, 2021, 3:00 pm ET

Attending: Steve Ela (SE); Nate Powell-Palm (NPP); Brian Caldwell (BC); Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ)

Absent: Kim Huseman (KH), Chair

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

Agenda

- Review July 20 notes
- Research priorities
- 2023 Sunset: Kaolin pectin (KH) - Discuss review/vote
- Additional items
- Adjourn

Discussion

- **Notes from July 20** were accepted as written
- **Research priorities.** The Livestock completed its list of research priorities and will forward it to the Materials Subcommittee Chair.
- **2023 Sunset: Kaolin pectin (SE for KH).** The group discussed the draft document, indicating support for relisting, and moved to a vote.

Motion to remove kaolin pectin from the National List

Motion by: SB

Seconded by: MJ

Yes: 0 No: 4 Abstain: 0 Absent: 1 Recuse: 0

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

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

July 20, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Mineral Oil (SB) - Discuss review/vote

2023 Sunset: Sodium chlorite, acidified (KH) - Discuss review/vote

2023 Sunset: Zinc sulfate (BC) - Discuss review/vote

August 3, 2021

2023 Sunset: Kaolin pectin (KH) - Discuss review/vote

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021
December 21, 2021

Work Agenda

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	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
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Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	“

Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due in July.	8.3.21	“
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on intern al use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.20.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	6.1.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	6.1.21	“
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2024 Sunset Review: TR Requests (June 2021), Summary (Spr 2022), Review (Fall 2022)

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				2017/Fall - Rec to Renew		
Tolazoline	205.603(a)(29)	SB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
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	“ “
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	“ “
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	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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) call
Tuesday, July 20, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Nate Powell-Palm (NPP); Brian Caldwell (BC)

Absent: Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ)

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

Agenda

- Review June 15 notes
- Research Priorities - Discuss and send to MS
- 2023 Sunset: Activated charcoal (BC) - Discuss review/vote
- 2023 Sunset: Mineral Oil (SB) - Discuss review/vote
- 2023 Sunset: Sodium chlorite, acidified (KH) - Discuss review/vote
- 2023 Sunset: Zinc sulfate (BC) - Discuss review/vote
- Additional items
- Adjourn

Discussion

- **Notes from** June 15 were accepted as written.
- **Research Priorities (KH for SB).** The LS Chair will reach out to members to finalize the priorities list and send them to the Materials Subcommittee.

2023 Sunset: Activated charcoal (BC). The lead summarized the uses of activated charcoal, noting it is synthetic. Commenters, including a veterinarian, were supportive of relisting, and indicated that it was in routine use and essential.

Motion to remove activated charcoal from the NL

Motion by: BC

Seconded by: KH

Yes: 0 No: 3 Abstain: 0 Absent: 2 Recuse: 0

- **2023 Sunset: Mineral Oil (KH for SB).** The LS Chair summarized the substance review and public comment from the Spring. Commenters were supportive of relisting.

Motion to remove mineral oil from the NL

Motion by: KH

Seconded by: BC

Yes: 0 No: 3 Abstain: 0 Absent: 2 Recuse: 0

- **2023 Sunset: Sodium chlorite, acidified (KH).** The lead summarized the substance which is listed in two places; At 205.603(a)(28) and 205.603(b)(9). Acidified sodium chlorite is used infrequently, but is essential when it is needed. The members discussed the two listings, specifically that they seemed redundant and suggested that the LS may revisit the need for both listings at a future date. The LS voted on the two listings separately.

Motion to remove sodium chlorite, acidified from the NL at 205.603(a)(28)

Motion by: KH

Seconded by: NPP

Yes: 0 No: 3 Abstain: 0 Absent: 2 Recuse: 0

Motion to remove sodium chlorite, acidified from the NL at 205.603(b)(9)

Motion by: KH

Seconded by: NPP

Yes: 3 No: 0 Abstain: 0 Absent: 2 Recuse: 0

- **2023 Sunset: Zinc sulfate (BC).** The lead summarized zinc sulfate and indicated that it is an alternative to copper sulfate. A member added information about how and why it would be used and that a producer would likely use it in consultation with a veterinarian.

Motion to remove zinc sulfate from the NL

Motion by: BC

Seconded by: KH

Yes: 0 No: 3 Abstain: 0 Absent: 2 Recuse: 0

- **Additional items.** Kaolin pectin was moved to the August 3 call, as the LS is waiting for the TR
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

June 15, 2021

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Calcium borogluconate (MJ) - Discuss review/vote

2023 Sunset: Calcium propionate (SB) - Discuss review/vote

2023 Sunset: Chlorine materials (NPP) - Discuss review/vote

July 6, 2021 - cancelled

July 20, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Mineral Oil (SB) - Discuss review/vote

2023 Sunset: Sodium chlorite, acidified (KH) - Discuss review/vote

2023 Sunset: Zinc sulfate (BC) - Discuss review/vote

August 3, 2021

2023 Sunset: Kaolin pectin (KH) - Discuss review/vote

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

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	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs due to MS 7.20.21	7.20.21	Fall 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21. TR found sufficient 4.6.21.	7.20.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due in July.	8.3.21	“

Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.20.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	6.1.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	6.1.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.20.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.20.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	7.20.21	“

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	Summary : Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
Tolazoline	205.603(a)(29)	SB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR .	5.18.21 6.1.21	“ “

				2017/Fall - Rec to Renew		
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	“ “
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	“ “
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	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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) call
Tuesday, June 15, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP)

Absent: Brian Caldwell (BC)

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

Agenda

- Review June 1 notes
- 2023 Sunset: Calcium borogluconate (MJ) - Discuss review/vote
- 2023 Sunset: Calcium propionate (SB) - Discuss review/vote
- 2023 Sunset: Chlorine materials (NPP) - Discuss review/vote
- Additional items
- Adjourn

Discussion

- **Notes from** June 1 were accepted as written.
- **2023 Sunset: Calcium borogluconate (MJ).** The lead summarized the review, highlighting the updates made since the Spring 2021 posting. The NOP provided additional feedback from FDA regarding this substance, since it was recommended for addition to the NL in 2002 and only recently added to the National List (NL). The lead indicated that calcium borogluconate is compatible with a system of sustainable agriculture, and the majority of stakeholders were in favor of its inclusion.

Motion to remove calcium borogluconate from the NL

Motion by: KH

Seconded by: MJ

Yes: 0 No: 3 Abstain: 0 Absent: 2 Recuse: 0

- **2023 Sunset: Calcium propionate (SB).** The lead highlighted the additions to the document from the Spring 2021 meeting, including a summary of public comment.

Motion to remove calcium propionate from the NL

Motion by: KH

Seconded by: SB

Yes: 0 No: 4 Abstain: 0 Absent: 1 Recuse: 0

- **2023 Sunset: Chlorine materials (NPP).** There were no substantive changes to the Spring document, except the lead combined all four chlorine materials into one document instead of splitting them out individually. The LS supports relisting of chlorine materials. Chlorine materials are also under review in Handling and Crops, and the three leads did converse, the uses in each section are fundamentally different. The LS Chair noted that the Handling Subcommittee also discussed chlorines in the context of the broader picture of sanitizers.

Motion to remove chlorine materials from the National List
 Motion by: KH
 Seconded by: NPP
 Yes: 0 No: 4 Abstain: 0 Absent: 1 Recuse: 0

- **Additional items.** The LS discussed the future call schedule.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

June 1, 2021

2024 Sunsets - TR requests

Chitosan - processing aid in the production of livestock feed (NPP) - Determine petition sufficiency

2023 Sunset: Nutritive supplements (NPP) - Discuss review/vote

2023 Sunset: Propylene glycol (MJ) - Discuss review/vote

June 15, 2021

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Calcium borogluconate (MJ) - Discuss review/vote

2023 Sunset: Calcium propionate (SB) - Discuss review/vote

2023 Sunset: Chlorine materials (NPP) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Kaolin pectin (KH) - Discuss review/vote

2023 Sunset: Mineral Oil (SB) - Discuss review/vote

2023 Sunset: Sodium chlorite, acidified (KH) - Discuss review/vote

2023 Sunset: Zinc sulfate (BC) - Discuss review/vote

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

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	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs due to MS 7.20.21	7.6.21	Fall 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21. TR found sufficient 4.6.21.	7.6.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due in July.	7.6.21	“
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.6.21	“

Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	6.1.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	6.1.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.6.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.6.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	7.6.21	“

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	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
Tolazoline	205.603(a)(29)	SB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
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	“ “
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	“ “

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	“ “
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Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Jun 3, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
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Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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) call
Tuesday, June 1, 2021, 3:00 pm ET

Attending: Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP); Brian Caldwell (BC); Steve Ela (SE) – observer; Jerry D’Amore (JD) - observer

Absent: Kim Huseman (KH), Chair

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

Agenda

- Review May 18 notes
- 2024 Sunsets - TR requests
- Chitosan - processing aid in the production of livestock feed (NPP) - Determine petition sufficiency
- 2023 Sunset: Nutritive supplements (NPP) - Discuss review/vote
- 2023 Sunset: Propylene glycol (MJ) - Discuss review/vote Additional items
- Adjourn

Discussion

- **Notes from May 18** were accepted as written.
- **2024 Sunsets - TR requests**
- **Chitosan - processing aid in the production of livestock feed (NPP).** The lead summarized the petition and noted that the Crops Subcommittee is also reviewing a chitosan petition submitted by the same petitioner. The Livestock Subcommittee chose to align its determination with the Crops Subcommittee to send the petition back to the petitioner unreviewed. The LS sent additional questions to the petitioner and did not receive a response and feels it cannot move forward with a review at this time. NOP will relay this decision to the petitioner.
- **2023 Sunset: Nutritive supplements (NPP).** The lead summarized the substance and the LS moved to a vote.

Motion to remove nutritive supplements from the National List

Motion by: NPP

Seconded by: BC

Yes: 0 No: 4 Abstain: 0 Absent: 1 Recuse: 0

2023 Sunset: Propylene glycol (MJ). The lead summarized the uses, manufacture, and public comments for propylene glycol. The Livestock Subcommittee received a TR after its Spring review of the substance, and the additional information is included in the current review. The LS moved to a vote.

Motion to remove propylene glycol from the National List

Motion by: MJ

Seconded by: NPP

Yes: 0 No: 4 Abstain: 0 Absent: 1 Recuse: 0

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

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

May 18, 2021

Assign 2024 Sunsets (for TR determination)

June 1, 2021

2024 Sunsets - TR requests

Chitosan - processing aid in the production of livestock feed (NPP) - Determine petition sufficiency

2023 Sunset: Nutritive supplements (NPP) - Discuss review/vote

2023 Sunset: Propylene glycol (MJ) - Discuss review/vote

June 15, 2021

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Calcium borogluconate (MJ) - Discuss review/vote

2023 Sunset: Calcium propionate (SB) - Discuss review/vote

2023 Sunset: Chlorine materials (NPP) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Kaolin pectin (KH) - Discuss review/vote

2023 Sunset: Mineral Oil (SB) - Discuss review/vote

2023 Sunset: Sodium chlorite, acidified (KH) - Discuss review/vote

2023 Sunset: Zinc sulfate (BC) - Discuss review/vote

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP	Proposal	Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec. No response. Petition found insufficient and returned to petitioner.	6.1.21	Fall 2021
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs due to MS 7.20.21	7.6.21	Fall 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21. TR found sufficient 4.6.21.	6.15.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	“
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Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.6.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	6.1.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	6.1.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.6.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.6.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	7.6.21	“

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	Summary : Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ	Y	Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
Tolazoline	205.603(a)(29)	SB	N	Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “

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	“ “
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	“ “
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	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~May 14, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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) call
Tuesday, May 18, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP); Brian Caldwell (BC); Steve Ela (SE) - observer

Absent: None

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

Agenda

- Review April 6 notes
- Debrief from April 2021 NOSB meeting
- Assign 2024 Sunsets (for TR determination)
- Schedule discussion dates for work agenda items
- Additional items
- Adjourn

Discussion

- **Notes from April 6** were accepted as written.
- **Debrief from April 2021 NOSB meeting.** The LS Chair noted that the virtual format flowed well.
- **Assign 2024 Sunsets (for TR determination).** See table below.
- **Schedule discussion dates for work agenda items.** See table below.
- **Additional items.**
 - NOP will circulate the proposal template to all members.
 - The NOSB Chair described the review template for sunsets in preparation for the Fall meeting.
 - The TR for kaolin pectin is in development, and the NOP expects it around July.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

May 4, 2021 - Cancelled

May 18, 2021

Assign 2024 Sunsets (for TR determination)

June 1, 2021

2024 Sunsets - TR requests

Chitosan - processing aid in the production of livestock feed (NPP) - Determine petition sufficiency

2023 Sunset: Nutritive supplements (NPP) - Discuss review/vote

2023 Sunset: Propylene glycol (MJ) - Discuss review/vote

June 15, 2021

2023 Sunset: Activated charcoal (BC) - Discuss review/vote

2023 Sunset: Calcium borogluconate (MJ) - Discuss review/vote

2023 Sunset: Calcium propionate (SB) - Discuss review/vote

2023 Sunset: Chlorine materials (NPP) - Discuss review/vote

July 6, 2021

Research Priorities - Discuss and send to MS

2023 Sunset: Kaolin pectin (KH) - Discuss review/vote

2023 Sunset: Mineral Oil (SB) - Discuss review/vote
 2023 Sunset: Sodium chlorite, acidified (KH) - Discuss review/vote
 2023 Sunset: Zinc sulfate (BC) - Discuss review/vote

July 20, 2021
 August 3, 2021
 August 17, 2021
 September 7, 2021
 September 21, 2021
 October 5, 2021
 October 19, 2021
 November 2, 2021
 November 16, 2021
 December 7, 2021
 December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP	Proposal	Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec.	6.1.21	Fall 2021
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs due to MS 7.20.21	7.6.21	Fall 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Scheduled Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21. TR found sufficient 4.6.21.	6.15.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	6.15.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid— generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	6.15.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due in July.	7.6.21	“
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	7.6.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	6.1.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	6.1.21	“

Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.6.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	7.6.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	7.6.21	“

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		Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21 6.1.21	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)	MJ		Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
Tolazoline	205.603(a)(29)	SB		Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
Copper sulfate	205.603(b)(1)	NPP		Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “
Elemental sulfur	205.603(b)(2)	BC		Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21 6.1.21	“ “
Lidocaine	205.603(b)(5)	NPP		Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21 6.1.21	“ “

Milestones

Fall 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~May 14, 2021
NOSB Request for TRs for 2024 sunset materials	Jun 18, 2021
NOP - Draft Fall 2020 NOSB meeting tentative agenda	Jul 30, 2021
NOSB - Fall 2021 proposals due to NOP	Aug 13, 2021
NOP - Post proposals	On or before Sep 1, 2021
Discuss/finalize work agendas on ES call	Sep 21, 2021
Public comment closes	Sep 30, 2021
NOP - Send compiled public comments to NOSB	~Oct 4, 2021
Public comment webinars	Oct 12 & 14, 2021
Fall 2021 NOSB meeting - Sacramento, CA	Oct 19 - 21, 2021

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) call
Tuesday, April 6, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP); Brian Caldwell (BC); Steve Ela (SE) - observer

Absent: Sue Baird (SB), Vice Chair

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

Agenda

- Review March 16 notes
- Review Public Comments
- Prep for April meeting
- Activated charcoal (BC) - TR sufficiency
- Additional items
- Adjourn

Discussion

- **Notes from** March 16 were accepted as written.
- **Activated charcoal sunset review (BC).** The Crops Subcommittee found the TR sufficient. The lead noted that there was some information about biochar included. Member discussed questions regarding inerts, noting that although it is discussed in the TR it is not relevant to the use of activated charcoal in Livestock.
- **Review Public Comments.** The NOSB received about 860 written comments, which are available to the board members for review, and the oral comment schedule is full.
- **Prep for April meeting.** The NOSB Chair summarized the process for the NOSB meeting including summarizing substances and voting. Members reviewed the items on the agenda they will be voting on.
- **Additional items.**
 - A member noted two substances that are under sunset review are not approved for livestock use by the FDA: calcium borogluconate and mineral oil.
 - The LS cancelled the May 4 call
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

March 16, 2021

Mineral Oil (SB) - TR suff due 5.4.21

Propylene glycol (MJ) - TR suff due 5.4.21

April 6, 2021

Review Public Comments

Prep for April meeting

Activated charcoal (BC) - TR sufficiency

May 4, 2021 - Cancelled

May 18, 2021

Assign 2024 Sunsets (for TR determination)

June 1, 2021

2024 Sunsets - TR requests

June 15, 2021

July 6, 2021

Research Priorities - Discuss and send to MS

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP	Proposal	Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec.	09.01.20 09.15.20 2.2.21	Fall 2021
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs for discussion document due to MS 01.19.21	12.15.20 1.19.21 7.20.21	Spr 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request?	Notes*	Schedule d, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21. TR found sufficient 4.6.21.	12.15.20 4.6.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21 2.2.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	2.16.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due early May.	1.5.21	
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21.	2.2.21 2.16.21 3.16.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	2.16.21	“

Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.5.21. TR suff due 5.4.21. TR found sufficient 3.16.21	1.5.21 3.16.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	12.15.20	“

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)			Sunset date: 1.28.24 TR: 2010 TR ; 2015 TR 2017/Fall - Rec to Renew	5.18.21	Summary: Spr 2022 Review: Fall 2022
Glucose	205.603(a)(13)			Sunset date: 10.30.24 TR: 1995 TAP . 2017/Fall - Rec to Renew	5.18.21	“ “
Tolazoline	205.603(a)(29)			Sunset date: 10.30.24 TR: 2002 TAP ; 2019 TR . 2017/Fall - Rec to Renew	5.18.21	“ “
Copper sulfate	205.603(b)(1)			Sunset date: 10.30.24 TR: 1995 TAP ; 2015 TR . 2017/Fall - Rec to Renew	5.18.21	“ “
Elemental sulfur	205.603(b)(2)			Sunset date: 5.30.24 TR: 2017 TR . 2017/Fall - Rec to ADD	5.18.21	“ “
Lidocaine	205.603(b)(5)			Sunset date: 1.28.24 TR: N/A 2017/Fall - Rec to Renew	5.18.21	“ “

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	Feb 3 - 5, 2021
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 5, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Virtual	Apr 28 - 30, 2021

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) call
Tuesday, March 16, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP); Brian Caldwell (BC); Steve Ela (SE) - observer

Absent: None

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

Agenda

- Review February 16 notes
- Mineral Oil (SB) - TR suff due 5.4.21
- Propylene glycol (MJ) - TR suff due 5.4.21
- Additional items
- Adjourn

Discussion

- **Notes from** February 16 were accepted as written.
- **Mineral Oil (SB).** The lead reviewed the TR and found it sufficient, although she noted that upon initial review it may not address in detail the specific question about impaction. The lead mentioned a potential discrepancy between certifiers due to the language in the annotation at 205.603(a)(20) versus what is listed at 205.603(b)(7), and that with this review the LS is hoping to clarify. A member asked about alternatives, which is a question the LS included in the Spring review. The LS Chair will inform the NOP that the TR was found sufficient.
- **Propylene glycol (MJ).** The lead reviewed and summarized the TR, and the LS found it sufficient. The LS Chair will inform the NOP that the TR was found sufficient.
- **Additional items.**
 - The LS Chair will meet with the lead reviewer for activated charcoal to talk about the TR. The LS will discuss the TR sufficiency on April 6.
 - A member asked about the recent NOP request to review lithothamnion, which will be reviewed by the Crops Subcommittee as it is specific to wild crop standards.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

March 2, 2021 - Cancelled

March 16, 2021

Mineral Oil (SB) - TR suff due 5.4.21

Propylene glycol (MJ) - TR suff due 5.4.21

April 6, 2021

Review Public Comments

Prep for April meeting

Activated charcoal (BC) - TR sufficiency

May 4, 2021

May 18, 2021

Assign 2024 Sunsets (for TR determination)

June 1, 2021

2024 Sunsets - TR requests
 June 15, 2021
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 December 21, 2021

Work Agenda

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

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
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2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

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Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb. TR sent to LS 3.8.21. TR suff due 5.7.21	12.15.20 4.6.21	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21 2.2.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	2.16.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due early May.	1.5.21	
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Zinc sulfate	205.603(b)(11)	BC	N		Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	12.15.20	“

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
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Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
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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) call
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Absent: None

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

Agenda

- Review February 2 notes
- 2023 Sunset: Nutritive supplements (NPP) - Discuss review
- 2023 Sunset: Chlorine materials (NPP) - Discuss review
- Additional items
- Adjourn

Discussion

- **Notes from** February 2 were accepted as written.
- **2023 Sunset: Nutritive supplements (NPP).** The lead summarized the listing for nutritive supplements noting that they (injectable trace minerals, vitamins, and electrolytes) are allowed to treat livestock ailments when administered or ordered by a licensed veterinarian. Members discussed the questions for public comment, and the LS will submit the document for posting at the Spring meeting. Members discussed the listing in the context of electrolytes.
- **2023 Sunset: Chlorine materials (NPP).** The lead summarized the substances, noting that there are four materials under this listing. A member will seek some feedback about use in Livestock, and specifically if chlorine materials are used in chicken houses between flocks. LS will submit the document for posting at the Spring meeting.
- **Additional items.**
 - The LS may cancel March 2 call.
 - May assess the next round of sunset reviews on the March 16 call.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

February 2, 2021

2023 Sunset: Mineral Oil (SB) - Discuss review

2023 Sunset: Calcium Borogluconate (MJ) - Discuss review

February 16, 2021

2023 Sunset: Nutritive supplements (NPP) - Discuss review

2023 Sunset: Chlorine materials (NPP) - Discuss review

March 2, 2021 - Cancelled

March 16, 2021

April 6, 2021

April 20, 2021

May 4, 2021

May 18, 2021

June 1, 2021

June 15, 2021
 July 6, 2021
 July 20, 2021
 August 3, 2021
 August 17, 2021
 September 7, 2021
 September 21, 2021
 October 5, 2021
 October 19, 2021
 November 2, 2021
 November 16, 2021
 December 7, 2021
 December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP	Proposal	Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec.	09.01.20 09.15.20 2.2.21	Fall 2021
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs for discussion document due to MS 01.19.21	12.15.20 1.19.21 7.20.21	Spr 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request ?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	12.15.20	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21 2.2.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	2.16.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb	2.2.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	2.16.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	“

Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	12.15.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Feb 18, 2021
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	Feb 3 - 5, 2021
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 5, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Virtual	Apr 28 - 30, 2021

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) call
Tuesday, February 2, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP); Brian Caldwell (BC); Steve Ela (SE) - observer

Absent:

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

Agenda

- Review January 19 notes
- 2023 Sunset: Mineral Oil (SB) - Discuss review
- 2023 Sunset: Calcium Borogluconate (MJ) - Discuss review
- Additional items
- Adjourn

Discussion

- **Notes from** January 19 were accepted as written.
- **2023 Sunset: Mineral Oil (SB).** The lead summarized the use and manufacture of mineral oil and noted that there is a pending limited scope TR to address internal use. The group discussed the two listings for mineral oil, and the lead will make some minor edits based on the conversation and will submit the document to the NOP for the Spring 2021 meeting.
- **2023 Sunset: Calcium Borogluconate (MJ).** The lead summarized the draft review and included questions to help clarify why calcium borogluconate is listed separately and not under electrolytes. Members also discussed the origination of the listing, the reason why it was added in 2018, and how it intersects with the FDA.
- **Additional items.**
 - Chitosan will be deferred to the Fall 2021 meeting.
 - Several 2023 sunsets were reassigned from members that completed their NOSB tenure. See table below for new assignments.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

January 19, 2021

Research Priorities (SB) - finalize priorities for Spring 2021
2023 Sunset: Calcium borogluconate (MJ) - Discuss review
2023 Sunset: Calcium propionate (SB) - Discuss review
2023 Sunset: Mineral Oil (SB) - Discuss review

February 2, 2021

2023 Sunset: Mineral Oil (SB) - Discuss review
2023 Sunset: Calcium Borogluconate (MJ) - Discuss review

February 16, 2021

2023 Sunset: Nutritive supplements (NPP) - Discuss review
2023 Sunset: Chlorine materials (NPP) - Discuss review

March 2, 2021

March 16, 2021

April 6, 2021
 April 20, 2021
 May 4, 2021
 May 18, 2021
 June 1, 2021
 June 15, 2021
 July 6, 2021
 July 20, 2021
 August 3, 2021
 August 17, 2021
 September 7, 2021
 September 21, 2021
 October 5, 2021
 October 19, 2021
 November 2, 2021
 November 16, 2021
 December 7, 2021
 December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP	Proposal	Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec.	09.01.20 09.15.20	Fall 2021
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs for discussion document due to MS 01.19.21	12.15.20 1.19.21	Spr 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request ?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	BC	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	12.15.20	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21 2.2.21	“
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	“
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	2.16.21	“
Kaolin pectin	205.603(a)(17)	KH	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb	2.2.21	“
Nutritive supplements (Injectable trace minerals, vitamins, and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	2.16.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	“

Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Zinc sulfate	205.603(b)(11)	BC	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	12.15.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 1, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

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) call
Tuesday, January 19, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Sue Baird (SB), Vice Chair; Mindee Jeffery (MJ); Nate Powell-Palm (NPP); Scott Rice (SR), Dan Seitz (DS); Steve Ela (SE) - observer; Jerry D'Amore (JD) – observer; Brian Caldwell (BC) - observer

Absent: Jesse Buie (JB)

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

Agenda

- Review January 5 notes
- Research Priorities (SB) - finalize priorities for Spring 2021
- 2023 Sunset: Calcium borogluconate (MJ) - Discuss review
- 2023 Sunset: Calcium propionate (SB) - Discuss review
- 2023 Sunset: Mineral Oil (SB) - Discuss review
- Additional items
- Adjourn

Discussion

- **Notes from January 5** were accepted as written.
- **Research Priorities (SB).** The Livestock Subcommittee has four priorities for the Spring 2021 posting. The LS will forward the document to the Materials Subcommittee for inclusion at the Spring 2021 meeting.
- **2023 Sunset: Calcium borogluconate (MJ).** The lead summarized the draft review and members provided feedback. The lead noted that there is a TR for electrolytes that is pertinent to this substance.
- **2023 Sunset: Calcium propionate (SB).** The lead summarized the draft review and noted that the TR for electrolytes encompasses this substance as well as calcium borogluconate. A member asked if there were cultural methods or alternatives to calcium propionate. The lead will forward the document to the NOP for the Spring meeting. The group discussed the inclusion of both calcium propionate and calcium borogluconate on the NL when electrolytes is also listed. The lead will add additional questions about this before submitted.
- **2023 Sunset: Mineral Oil (SB).** Deferred to next meeting.
- **Additional items.** The TR for kaolin pectin will be delayed until ~April.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

January 5, 2021

2023 Sunset: Sodium chlorite, acidified 205.603(a)(28) & 205.603(b)(9) (KH) - Discuss review

2023 Sunset: Kaolin pectin (DS) - Discuss review

2023 Sunset: Propylene glycol (MJ) - Discuss review

January 19, 2021

Research Priorities (SB) - finalize priorities for Spring 2021

2023 Sunset: Calcium borogluconate (MJ) - Discuss review

2023 Sunset: Calcium propionate (SB) - Discuss review

2023 Sunset: Mineral Oil (SB) - Discuss review

February 2, 2021

2023 Sunset: Mineral Oil (SB) - Discuss review

2023 Sunset: Nutritive supplements (NPP) - Discuss review

2023 Sunset: Chlorine materials (NPP) - Discuss review

Chitosan - processing aid in the production of livestock feed (NPP) - Discuss

February 16, 2021

March 2, 2021

March 16, 2021

April 6, 2021

April 20, 2021

May 4, 2021

May 18, 2021

June 1, 2021

June 15, 2021

July 6, 2021

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP		Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec.	09.01.20 09.15.20 2.2.21	TBD
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs for discussion document due to MS 01.19.21	12.15.20 1.19.21	Spr 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request ?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	SR	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	12.15.20	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	"
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	"
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	2.2.21	"
Kaolin pectin	205.603(a)(17)	DS	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb	2.2.21	"

Nutritive supplements (Injectable trace minerals, vitamins and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	2.2.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Zinc sulfate	205.603(b)(11)	JB	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	12.15.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
NOSB - Spring 2021 proposals due to NOP	Feb 18, 2021
New NOSB member training	TBD
NOP - Draft Spring 2021 NOSB meeting tentative agenda	Feb 2, 2021
NOP - Post proposals	Mar 3, 2021
Public comment closes	Apr 1, 2021
NOP - Send compiled public comments to NOSB	Apr 6, 2021
Public comment webinars	Apr 20 & 22, 2021
Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

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) call
Tuesday, January 5, 2021, 3:00 pm ET

Attending: Kim Huseman (KH), Chair; Sue Baird (SB), Vice Chair; Jesse Buie (JB); Mindee Jeffery (MJ); Scott Rice (SR), Dan Seitz (DS); Steve Ela (SE) - observer

Absent: Nate Powell-Palm (NPP)

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

Agenda

- Review December 15 notes
- 2023 Sunset: Sodium chlorite, acidified 205.603(a)(28) & 205.603(b)(9) (KH) - Discuss review
- 2023 Sunset: Kaolin pectin (DS) - Discuss review
- 2023 Sunset: Propylene glycol (MJ) - Discuss review
- Additional items
- Adjourn

Discussion

- **Notes from** December 15 were accepted as is.
- **Research Priorities:** The LS will revisit the Research Priorities draft that the lead circulated for the last call, and finalize them for submission to the Materials Subcommittee.
- **2023 Sunset: Sodium chlorite, acidified 205.603(a)(28) & 205.603(b)(9) (KH).** Sodium chlorite was petitioned in 2012 and is listed at two sections on the List for use as a teat dip . Members discussed the two different listings, as well as use internationally. The LS will finalize the reviews for the Spring meeting.
- **2023 Sunset: Kaolin pectin (DS).** The lead summarized the information from the previous TR and recommendation, which was conducted in 2002, and added to the NL in 2019. The NOSB Chair suggested some additional text and questions for public comment. The lead will add that to the review and submit the document for the Spring meeting.
- **2023 Sunset: Propylene glycol (MJ).** The lead summarized the information from the previous TR and recommendation, which was conducted in 2002, and added to the NL in 2019. The group discussed manufacturing processes and environmental concerns and made some modifications to the draft document based on feedback from the Subcommittee members. The LS will submit the document for the Spring meeting.
- **Additional items.** None.
- **The meeting was adjourned.**

[Previous LS Notes](#)

Future call schedule (1st and 3rd Tuesdays 3:00 ET)

December 15, 2020

Research Priorities (SB) - discuss priorities for Spring 2021

2023 Sunset: Activated charcoal (SR) - Discuss review

2023 Sunset: Sodium chlorite, acidified 205.603(a)(28) & 205.603(b)(9) (KH) - Discuss review

2023 Sunset: zinc sulfate (JB) - Discuss review

January 5, 2021

2023 Sunset: Sodium chlorite, acidified 205.603(a)(28) & 205.603(b)(9) (KH) - Discuss review

2023 Sunset: Kaolin pectin (DS) - Discuss review
 2023 Sunset: Propylene glycol (MJ) - Discuss review
 January 19, 2021
 Research Priorities (SB) - finalize priorities for Spring 2021
 2023 Sunset: Calcium borogluconate (MJ) - Discuss review
 2023 Sunset: Calcium propionate (SB) - Discuss review
 2023 Sunset: Mineral Oil (SB) - Discuss review
 2023 Sunset: Nutritive supplements (NPP) - Discuss review
 February 2, 2021
 2023 Sunset: Chlorine materials
 Chitosan - processing aid in the production of livestock feed (NPP)
 February 16, 2021
 March 2, 2021
 March 16, 2021
 April 6, 2021
 April 20, 2021
 May 4, 2021
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 June 1, 2021
 June 15, 2021
 July 6, 2021
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 November 16, 2021
 December 7, 2021
 December 21, 2021

Work Agenda

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Chitosan - processing aid in the production of livestock feed	205.603/ 205.605	NPP		Petition sent to HS 07.31.20 and MS 8.10.20. LS will lead review in conjunction with Handling. Sufficiency due 09.29.20. The CS asked for additional information from the petitioner 9.15.20. LS sent questions to petitioner in Dec	09.01.20 09.15.20 2.2.21	TBD
Aquaculture Substances				On hold. (See NOSB Work agenda for additional information.)	TBD	TBD

Other Projects

Project	Contact	TR Request?	Notes	Scheduled, Discussed, Voted	Target meeting
Research Priorities	SB	N/A	RPs for discussion document due to MS 01.19.21	12.15.20 1.19.21	Spr 2021

*Yellow highlight indicates committee action needed. *Highlight indicates review completion/vote taken

2023 Sunset Review: TR Requests (July 2020), Summary (Spr 2021), Review (Fall 2021)

Substance	National List	Contact	TR Request ?	Notes*	Scheduled, Discussed, Voted	Target meeting
Activated charcoal (CAS # 7440-44-0)	205.603(a)(6)	SR	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	12.15.20	Summary: Spr 2021 Review: Fall 2021
Calcium borogluconate (CAS # 5743-34-0)	205.603(a)(7)	MJ	N	Sunset date: 1/28/2024 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	"
Calcium propionate (CAS # 4075-81-4).	205.603(a)(8)	SB	N	Sunset date: 1/28/2024 2002 TR 2015 TR (Electrolytes) 2002/Fall - Rec to ADD	1.19.21	"
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid—generated from electrolyzed water. (iv) Sodium hypochlorite.	205.603(a)(10)	NPP	N	Sunset date: 1/28/2024 2017 TR 2016/Spring - Rec to ADD 2017 Rec – sunset review	2.2.21	"
Kaolin pectin	205.603(a)(17)	DS	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	
Mineral Oil	205.603(a)(20)	SB	L'mtd TR on internal use	Sunset date: 1/28/2024 TR - 2015 (TR did not include current use). 2003/Spring - Rec to ADD 2018 Rec to renew TR due late Jan/early Feb	1.19.21	"

Nutritive supplements (Injectable trace minerals, vitamins and electrolytes)	205.603(a)21	NPP	N	Sunset date: 1/28/2024 TR - 2015 Vitamins TR - 2019 Trace Minerals (Livestock) 2015 TR (Electrolytes) 2009/Spring - Rec to ADD	1.19.21	“
Propylene glycol (CAS #57-55-6)	205.603(a)(27)	MJ	Y	Sunset date: 1/28/2024 2002 TR 2002/Fall - Rec to ADD TR due late Jan/early Feb	1.5.21	“
Sodium chlorite, acidified	205.603(a)(28)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Sodium chlorite, acidified	205.603(b)(9)	KH	N	Sunset date: 1/28/2024 2013 TR 2015/Spring - Rec to ADD	1.5.21	“
Zinc sulfate	205.603(b)(11)	JB	N	Sunset date: 1/28/2024 2015 TR 2015/Spring - Rec to ADD	12.15.20	“

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
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New NOSB member training	TBD
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