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.

Crops Subcommittee (CS) Notes
Tuesday, September 1, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Nate Lewis (NL); Dilip Nandwani (DN); Vice Chair; Corie Pierce (CP); Jed Murray (JEM); Jerry Matzner (JRM)
Absent: Jo Mirenda (JM); Amanda Felder (AF)
Staff: Michelle Arsenault (MA); Heather Kumar (HK)

Agenda

- Review August 18, 2026 notes
- Welcome new members
- Food Technologist update
- Additional items
- Adjourn

Discussion

- **August 18, 2026 notes** were accepted as written.
- **Welcome new members.** The two new Crops Subcommittee members joined the call, and members introduced themselves.
- **Food Technologist update.** The food technologist is currently working on training materials for the new members and templates for the Spring sunset reviews.
- **Additional items.**
    - The CS will use the September 15 call to prep for the Fall meeting.
    - The CS cancelled the October 6 call as several members have conflicts.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

August 18, 2026
    Chitosan petitions (DN/NL) - discuss/vote
September 1, 2026
September 15, 2026
    Review agenda items and prep for Fall NOSB Meeting.
October 6, 2026 - Cancelled
October 20, 2026 - Cancelled. Public comment webinar
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. No new TR request 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.18.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. No new TR request 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.18.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Fall 2026 list due to MS July 24, 2026.	7.21.26	Fall 2026
Biodegradable Biobased Mulch Film (BBMF)	NL	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	Fall 2027

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	6.16.26	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	7.7.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	7.21.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	7.7.26	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	6.16.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	7.21.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	7.7.26	" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ	N	Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26 6.2.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL	Y	Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26 6.2.26	" "
Boric acid	205.601(e)(3)	DN	Y	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Sticky traps/barriers	205.601(e)(9)	FQ	N	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP	Y - Combine with LS	Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
Coppers, fixed	205.601(i)(2)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26 6.2.26	" "
Copper sulfate	205.601(i)(3)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26 6.2.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN	N	Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26 6.2.26	" "
Humic acids	205.601(j)(3)	DN	Y	Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP TR requested 06.10.26	4.7.26 6.2.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP	N	Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Squid byproducts	205.601(j)(10)	AF	N	Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Virtual	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, August 18, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Nate Lewis (NL); Dilip Nandwani
Absent: Amanda Felder (AF), Vice Chair; Corie Pierce (CP)
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review August 4, 2026 notes
- Chitosan petitions (DN/NL) - discuss
- Additional items
- Adjourn

Discussion

- **August 4, 2026 notes** were accepted as written.
- **Chitosan petitions (NL/DN).** The lead noted that there are two petitions for chitosan, from two different petitioners, and that the Board has reviewed several other petitions for chitosan over the years. One of the current petitions is for a reclassification of chitosan from synthetic to non-synthetic and the second is a petition to add chitosan to the National List at §205.601(i), as a synthetic substance permitted for use in organic crop production for crop disease control, specifically as a pesticide. The lead highlighted manufacturing processes, and the group spoke about modes-of-action, EPA classification and exemption, and the addition of chitosan to §205.601(j) as a crop or soil amendment. The addition as a soil amendment was not part of the petition, but the Crops Subcommittee is proposing that action in this document. The CS moved to three separate votes.

    - **Chitosan - Classification motion**. While the petition sought a classification of nonsynthetic, the Crops Subcommittee has determined, based on the Decision tree for classification of materials (NOP 5033-1)**,** that the extraction method used to manufacture chitosan renders it synthetic.

      Motion to classify chitosan as synthetic
      Motion by: NL
      Seconded by: FQ
      Yes: 3 No: 0 Abstain: 0 Recuse: 0 Absent: 2

    National List Motion

    - **Chitosan - Add to §205.601(j).**
      Motion to add chitosan to the National List at § 205.601(j) as a crop or soil amendment
      Motion by: NL
      Seconded by: FQ
      Yes: 3 No: 0 Abstain: 0 Recuse: 0 Absent: 2

      Motion to add chitosan to the National List at § 205.601(i) as a crop disease control
      Motion by: NL
      Seconded by: DN
      Yes: 3 No: 0 Abstain: 0 Recuse: 0 Absent: 2

- **Food Technologist update.** The Food technologist recently sent the updated templates for NOSB work documents (petitions, annotation changes, etc.) to the Board. NOP will be working on the sunset templates next.
- **Additional items**. None**.**
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

August 4, 2026
2028 Sunset: Chlorine Materials (FQ) - discuss/vote
August 18, 2026
Chitosan petitions (DN/NL) - discuss/vote
September 1, 2026
September 15, 2026
October 6, 2026
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November 17, 2026
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Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. No new TR request 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.18.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. No new TR request 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.18.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Will need a separate work agenda request.	7.15.25 8.19.25	TBD

Project	Contact	Notes*	Scheduled/ status	Target meeting
Research Priorities	FQ	Fall 2026 list due to MS July 24, 2026.	7.21.26	Fall 2026
Biodegradable Biobased Mulch Film (BBMF)	NL	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	Fall 2027

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
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Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
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Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	6.16.26	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	7.7.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	7.21.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	7.7.26	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	6.16.26	" "
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Boric acid	205.601(e)(3)	DN	Y	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
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Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP	Y - Combine with LS	Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
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Humic acids	205.601(j)(3)	DN	Y	Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP TR requested 06.10.26	4.7.26 6.2.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "

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Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP	N	Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "
Squid byproducts	205.601(j)(10)	AF	N	Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
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Public comment closes	Oct 1, 2026	~4
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Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Virtual	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, August 4, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Corie Pierce (CP); Dilip Nandwani
Absent: Heather Kumar (HK)
Staff: Michelle Arsenault (MA); Jo Mirenda (JM)

Agenda

- Review July 21, 2026 notes
- 2028 Sunset: Chlorine Materials (FQ) - discuss/vote
- Additional items
- Adjourn

Discussion

- **July 21, 2026 notes** were accepted as written.
- **2028 Sunset: Chlorine Materials (FQ).** The lead summarized the review and noted a public commenters request to clarify whether chlorine is regulated under other statutes. For example, the EPA Safe Drinking Water Act. A member mentioned that the levels of chlorine used in organic is lower than is allowed by EPA. Other commenters asked about alternatives, and reiterated a previous request to have the NOSB assess sanitizers and disinfectants as a group rather than individually. The lead highlighted some differences between the four chlorine materials, and the CS moved to votes on each individual substance.

  Motion to remove calcium hypochlorite from the National List at 205.601(a)(2)(i)
  Motion by: FQ
  Seconded by: AF
  Yes: 0 No: 5 Abstain: 0 Recuse: 0 Absent: 0

  Motion to remove chlorine dioxide from the National List at 205.601(a)(2)(ii)
  Motion by: FQ
  Seconded by: NL
  Yes: 0 No: 5 Abstain: 0 Recuse: 0 Absent: 0

  Motion to remove hypochlorous acid from the National List at 205.601(a)(2)(iii)
  Motion by: FQ
  Seconded by: DN
  Yes: 0 No: 5 Abstain: 0 Recuse: 0 Absent: 0

  Motion to remove sodium hypochlorite from the National List at 205.601(a)(2)(v)
  Motion by: FQ
  Seconded by: DN
  Yes: 0 No: 5 Abstain: 0 Recuse: 0 Absent: 0

- **Additional items**. The Subcommittee Chair asked about the current Board vacancies and also asked what happens when the next three members rotate off in January.
- **The meeting was adjourned**

[Previous CS Notes]

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

July 21, 2026
- 2028 Sunset: Peracetic acid (CP) - discuss/vote
- 2028 Sunset: Calcium chloride (CP) - discuss/vote
- Research Priorities (FQ)

August 4, 2026
- 2028 Sunset: Chlorine Materials (FQ) - discuss/vote

August 18, 2026
- Chitosan petitions (DN/NL) - discuss

September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

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Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
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Project	Contact	Notes*	Scheduled/ status	Target meeting
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2028 Sunset Review
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Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	6.16.26	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	7.7.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	7.21.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	7.7.26	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	6.16.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	7.21.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	7.7.26	" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ	N	Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26 6.2.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL	Y	Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26 6.2.26	" "
Boric acid	205.601(e)(3)	DN	Y	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Sticky traps/barriers	205.601(e)(9)	FQ	N	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP	Y - Combine with LS	Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
Coppers, fixed	205.601(i)(2)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26 6.2.26	" "
Copper sulfate	205.601(i)(3)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26 6.2.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN	N	Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26 6.2.26	" "
Humic acids	205.601(j)(3)	DN	Y	Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP TR requested 06.10.26	4.7.26 6.2.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP	N	Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "
Squid byproducts	205.601(j)(10)	AF	N	Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Virtual	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, July 7, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Dilip Nandwani;
Absent: Corie Pierce (CP)
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review June 16, 2026 notes
- 2028 Sunset: Peracetic acid (CP) - discuss/vote
- 2028 Sunset: Calcium chloride (CP) - discuss/vote
- 2028 Sunset: Ozone gas (AF) - discuss/vote
- 2028 Sunset: Magnesium oxide (AF) - discuss/vote
- 2028 Sunset: Rotenone (AF) - discuss/vote
- Additional items.
- Adjourn

Discussion

- **June 16, 2026 notes** were approved as written.
- **2028 Sunset: Peracetic acid (CP) -** Deferred to next call.
- **2028 Sunset: Calcium chloride (CP)** - Deferred to next call.
- **2028 Sunset: Ozone gas (AF).** The lead summarized the uses of ozone. The comments from the Spring meeting were supportive of relisting, noting that it is used on Crops and as an irrigation system cleaner. All other uses would fall under the Handling Scope for post-harvest use. There are some minor health concerns, and as long as it is used as recommended by OSHA it is not a concern. Commenters noted concerns about soil application, but the lead emphasized that it is not directly applied to soil.

  Motion to remove ozone gas from the National List at 205.601(a)(5)
  Motion by: AF
  Seconded by: NL
  Yes: 0 No: 3 Abstain: 0 Recuse: 0 Absent: 2

- **2028 Sunset: Magnesium oxide (AF).** The lead briefly summarized the review and noted there are no concerns and support for relisting. The CS moved to a vote.

  Motion to remove magnesium oxide from the National List at 205.601(j)(5).
  Motion by: AF
  Seconded by: DN
  Yes: 0 No: 3 Abstain: 0 Recuse: 0 Absent: 2

- **2028 Sunset: Rotenone (AF).** The lead summarized the review for rotenone, highlighting that it is a prohibited substance. It's not used in the US, but may still be used internationally.

  Motion to remove rotenone from the National List at 205.602(f)
  Motion by: AF
  Seconded by: DN
  Yes: 0 No: 3 Abstain: 0 Recuse: 0 Absent: 2

- **Food Technologist update.** Working on templates for proposals/discussion documents that was a request from the Board.
- **Additional items**. The Crops Vice Chair will be chatting with the person who indicated at the Spring meeting that they may submit a petition for compostable bags.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

June 16, 2026
- 2028 Sunset: EPA List 3 Inerts (NL) - discuss/vote
- 2028 Sunset: Copper sulfate (DN) - discuss/vote

July 7, 2026
- 2028 Sunset: Ozone gas (AF) - discuss/vote
- 2028 Sunset: Magnesium oxide (AF) - discuss/vote
- 2028 Sunset: Rotenone (AF) - discuss/vote

July 21, 2026
- 2028 Sunset: Peracetic acid (CP) - discuss/vote
- 2028 Sunset: Calcium chloride (CP) - discuss/vote
- Research Priorities (FQ)

August 4, 2026
- Chitosan petitions (DN/NL) - discuss
- 2028 Sunset: Chlorine Materials (FQ) - discuss/vote

August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.4.26	Fall 2026

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.4.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Fall 2026 list due to MS July 24, 2026.	7.21.26	Fall 2026
Biodegradable Biobased Mulch Film (BBMF)	NL	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	Fall 2027

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	6.16.26	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	7.7.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	7.7.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	7.7.26	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	6.16.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	7.7.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	7.7.26	" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ	N	Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26 6.2.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL	Y	Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26 6.2.26	" "
Boric acid	205.601(e)(3)	DN	Y	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Sticky traps/barriers	205.601(e)(9)	FQ	N	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP	Y - Combine with LS	Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
Coppers, fixed	205.601(i)(2)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26 6.2.26	" "
Copper sulfate	205.601(i)(3)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26 6.2.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN	N	Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26 6.2.26	" "
Humic acids	205.601(j)(3)	DN	Y	Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP TR requested 06.10.26	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP	N	Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "
Squid byproducts	205.601(j)(10)	AF	N	Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Virtual	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, June 16, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Dilip Nandwani; Corie Pierce (CP)
Absent: None
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review June 2, 2026 notes
- 2028 Sunset: EPA List 3 Inerts (NL)
- 2028 Sunset: Copper sulfate (DN)
- Food Technologist's Update (HK)
- Additional items.
- Adjourn

Discussion

- **June 2, 2026 notes** were approved as written.
- **2028 Sunset: EPA List 3 Inerts (NL).** The lead summarized the review for the CS members. EPA List 3 inerts are substances of unknown toxicity limited to use in passive pheromone dispensers. Currently the lists are defunct, and NOP is working on rulemaking on inerts to address this. The CS anticipates that these substances will continue to be allowed, as they remain necessary in organic crop production. The lead noted that they did not hear any comments as to why they should be removed, and the CS supports relisting at this time.

  Motion to remove EPA List 3 Inerts from the NL at § 205.601(m)(2)
  Motion by: NL
  Seconded by: FQ
  Yes: 0 No: 5 Abstain: 0 Recuse: 0 Absent: 0

- **2028 Sunset: Copper sulfate (DN).** The lead summarized the two listings for copper sulfate, highlighting the uses, the most recent TR, and previous public comment. Commenters are in favor of relisting, but have mentioned updating the annotation to remove the language about the application rate. The CS discussed whether there is an actual problem that needs to be fixed and wants to be cognizant of downstream effects on stakeholders, producers, certifiers, and the program. The group agreed that capturing the conversation for the record would be adequate and therefore will not propose an annotation change. Members discussed public comment about viable alternative management practices, a question to certifiers about how the application period is being interpreted, and the age of the last TR, which is from 2022. They acknowledged that even though copper sulfate isn't something stakeholders necessarily want to see on the National List, there are no viable alternatives at this time.

  Motion to remove copper sulfate at § 205.601(a)(3) Copper sulfate – for use as an algicide in aquatic rice systems and at § 205.601(e)(4) Copper sulfate—for use as tadpole shrimp control in aquatic rice production
  Motion by: DN

Seconded by: FQ
Yes: 0 No: 5 Abstain: 0 Recuse: 0 Absent: 0

- **Food Technologist's Update (HK).** The Food Tech is finalizing the 2029 sunset templates, which the NOP will send to the board over the summer.
- **Additional items**. None.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

June 2, 2026
- Post-meeting debrief
- Determine TR needs for 2029 sunsets

June 16, 2026
- 2028 Sunset: EPA List 3 Inerts (NL) - discuss/vote
- 2028 Sunset: Copper sulfate (DN) - discuss/vote

July 7, 2026
- 2028 Sunset: Peracetic acid (CP) - discuss/vote
- 2028 Sunset: Calcium chloride (CP) - discuss/vote
- 2028 Sunset: Ozone gas (AF) - discuss/vote
- 2028 Sunset: Magnesium oxide (AF) - discuss/vote
- 2028 Sunset: Rotenone (AF) - discuss/vote

July 21, 2026
- Research Priorities (FQ)

August 4, 2026
- Chitosan petitions (DN/NL) - discuss
- 2028 Sunset: Chlorine Materials (FQ) - discuss/vote

August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.4.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.4.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Fall 2026 list due to MS July 24, 2026.	7.21.26	Fall 2026
Biodegradable Biobased Mulch Film (BBMF)	NL	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	Fall 2027

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
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Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	6.16.26	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	7.7.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	7.7.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	7.7.26	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	6.16.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	7.7.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	7.7.26	" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ	N	Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26 6.2.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL	Y	Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26 6.2.26	" "
Boric acid	205.601(e)(3)	DN	Y	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Sticky traps/barriers	205.601(e)(9)	FQ	N	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP	Y - Combine with LS	Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
Coppers, fixed	205.601(i)(2)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26 6.2.26	" "
Copper sulfate	205.601(i)(3)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26 6.2.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN	N	Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26 6.2.26	" "
Humic acids	205.601(j)(3)	DN	Y	Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP TR requested 06.10.26	4.7.26 6.2.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP	N	Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Squid byproducts	205.601(j)(10)	AF	N	Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Spring 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2026	16 -20
NOP - Draft Spring 2026 NOSB meeting tentative agenda	Feb 19, 2026	~ 10
NOSB - Spring 2026 proposals due to NOP	Feb 26, 2026	~ 9
NOP - Post proposals/Open comment period	Mar 16, 2026	7.5
Public comment closes	Apr 16, 2026	3.5
NOP - Send compiled public comments to NOSB	Apr 22, 2026	3
Public comment webinars	May 5 & 7, 2026	1
Spring 2026 NOSB meeting - TBD	May 12 - 14, 2026	0
Final recommendations due	Jun 14, 2026	30 days post meeting

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Virtual	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, June 2, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Dilip Nandwani; Corie Pierce (CP)
Absent: None
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review April 21, 2026 notes
- Post-meeting debrief
- Determine TR needs for 2029 sunsets
- Food Technologist's Update
- Additional items
- Adjourn

Discussion

- **April 21, 2026 notes** were accepted as written.
- **Post-meeting debrief.**
    - Members discussed the public comment and Board discussion from the Spring 2026 meeting around the use of copper sulfate in rice production. One of the lead writers posed a couple of questions to the group about the annotation that limits application rates when used as tadpole shrimp control in aquatic rice production, specifically whether the annotation is actually valuable and useful, or whether it is making it more difficult for farmers and certifiers; public commenters suggested that it may not be helpful. Members shared information about the concentrations of copper sulfate for various uses in rice production .
    - Members discussed a tour they took to a former NOSB members' organic farm. They highlighted the technology used in farm equipment and their use of organic seed.
    - For the pear ester final recommendation, NL offered to assist FQ with the cover sheet to finalize the recommendation, and will include the annotation they voted on at the meeting.
    - The Crops Subcommittee has two chitosan petitions on its work agenda, and will likely develop proposals for the Fall meeting. The group discussed the uses of chitosan - both as a soil amendment and a pesticide
- **Determine TR needs for 2029 sunsets.** The CS determined which 2029 sunsets it would like TRs for. Members specifically discussed micronutrients and vitamins and determined there was no need for new TRs. Instead, the CS will add questions to the micronutrients sunset review about the status since the revised annotation change was implemented in 2019. See table below for 2029 sunsets.
- **Additional items**. None.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

April 21, 2026
- Prep for Spring meeting
- Review Work agenda table (compost feedstocks?)

May 5, 2026 - cancelled. Conflicts with comment webinar.
May 19, 2026 - cancelled
June 2, 2026
Post-meeting debrief
Determine TR needs for 2029 sunsets
June 16, 2026
2028 Sunset: EPA List 3 Inerts (NL) - discuss/vote
July 7, 2026
2028 Sunset: Peracetic acid (CP) - discuss/vote
2028 Sunset: Calcium chloride (CP) - discuss/vote
July 21, 2026
Research Priorities (FQ)
August 4, 2026
Chitosan petitions (DN/NL) - discuss
2028 Sunset: Chlorine Materials (FQ) - discuss/vote
August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.4.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	8.4.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Fall 2026 list due to MS July 24, 2026.	7.21.26	Fall 2026
Biodegradable Biobased Mulch Film (BBMF)	NL	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	Fall 2027

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	8.4.26	" "
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP		" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP		" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	7.7.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR		" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	6.16.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	7.7.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A		" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ	N	Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26 6.2.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL	Y	Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26 6.2.26	" "
Boric acid	205.601(e)(3)	DN	TBD	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Sticky traps/barriers	205.601(e)(9)	FQ	N	Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP	TBD	Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
Coppers, fixed	205.601(i)(2)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26 6.2.26	" "
Copper sulfate	205.601(i)(3)	NL	N	Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26 6.2.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN	TBD	Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Humic acids	205.601(j)(3)	DN	TBD	Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP	4.7.26 6.2.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF	N	Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP	N	Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "
Squid byproducts	205.601(j)(10)	AF	N	Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ	N	Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Spring 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2026	16 -20
NOP - Draft Spring 2026 NOSB meeting tentative agenda	Feb 19, 2026	~ 10
NOSB - Spring 2026 proposals due to NOP	Feb 26, 2026	~ 9
NOP - Post proposals/Open comment period	Mar 16, 2026	7.5
Public comment closes	Apr 16, 2026	3.5
NOP - Send compiled public comments to NOSB	Apr 22, 2026	3
Public comment webinars	May 5 & 7, 2026	1
Spring 2026 NOSB meeting - TBD	May 12 - 14, 2026	0

Final recommendations due	Jun 14, 2026	30 days post meeting

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Virtual	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, April 21, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Dilip Nandwani; Corie Pierce (CP)
Absent: Nate Lewis (NL); Heather Kumar (HK)
Staff: Michelle Arsenault (MA); Jo Mirenda (JM);

Agenda

- April 7, 2026 notes update
- Prep for Spring meeting
- Review Work agenda table (compost feedstocks?)
- Food Technologist's Update
- Additional items
- Adjourn

Discussion

- **April 7, 2026 notes** were accepted as written.
- **Prep for Spring meeting.** The group discussed various aspects of the in person meeting, including written and oral public comments, presentation practices for sunsets and proposals, and room set up logistics.
- **Review Work agenda table (compost feedstocks?)** Deferred to next call.
- **Food Technologist's Update.** Members praised the Food Technologist's work on mined substances.
- **Additional items**. The CS will cancel the May 19 call.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

April 7, 2026
    Assign 2029 sunsets (see table below)
April 21, 2026
    Prep for Spring meeting
    Review Work agenda table (compost feedstocks?)
May 5, 2026 - cancelled. Conflicts with comment webinar.
May 19, 2026 - cancelled
June 2, 2026
    Post-meeting debrief
    Determine TR needs for 2029 sunsets
June 16, 2026
July 7, 2026
July 21, 2026
August 4, 2026
August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026

October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Pear Ester - add to 205.601	FQ	Proposal	Petition sent to CS 10.05.23. Petition suff/TR request due 12.04.23. Petition found sufficient/CS requested TR 11.21.23. Draft TR sent to CS 5.17.24. TR Suff due 7.16.24. TR found sufficient 7.2.24.	7.29.25 1.20.26	Spr 2026
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Spring 2026 list due to MS by Feb 4, 2026.	1.20.26	Spr 2026
Biodegradable Biobased Mulch Film (BBMF)	TBD	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	TBD

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	3.18.25 4.1.25 12.2.25	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	3.18.25 4.1.25 1.20.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	3.18.25 4.1.25 12.2.25 2.3.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	3.18.25 4.1.25 12.2.25	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	3.18.25 4.1.25 1.20.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	3.18.25 4.1.25 2.3.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	3.18.25 4.1.25 1.20.26	" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ		Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26 6.2.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL		Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26 6.2.26	" "
Boric acid	205.601(e)(3)	DN		Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Sticky traps/barriers	205.601(e)(9)	FQ		Sunset date: 10/30/2029 1995 TAP	4.7.26 6.2.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP		Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26 6.2.26	" "
Coppers, fixed	205.601(i)(2)	NL		Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26 6.2.26	" "
Copper sulfate	205.601(i)(3)	NL		Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26 6.2.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN		Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26 6.2.26	" "
Humic acids	205.601(j)(3)	DN		Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP	4.7.26 6.2.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF		Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF		Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26 6.2.26	" "
Vitamins, C and E	205.601(j)(9)	CP		Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26 6.2.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Squid byproducts	205.601(j)(10)	AF		Sunset date: 01/28/2029 2016 TR	4.7.26 6.2.26	" "
Lead salts	205.602(d)	CP		Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ		Sunset date: 10/30/2029 TR: None	4.7.26 6.2.26	" "

Spring 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2026	16 -20
NOP - Draft Spring 2026 NOSB meeting tentative agenda	Feb 19, 2026	~ 10
NOSB - Spring 2026 proposals due to NOP	Feb 26, 2026	~ 9
NOP - Post proposals/Open comment period	Mar 16, 2026	7.5
Public comment closes	Apr 16, 2026	3.5
NOP - Send compiled public comments to NOSB	Apr 22, 2026	3
Public comment webinars	May 5 & 7, 2026	1
Spring 2026 NOSB meeting - TBD	May 12 - 14, 2026	0
Final recommendations due	Jun 14, 2026	30 days post meeting

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Location TBD	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, April 7, 2026 2:00 pm ET

Present: Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Dilip Nandwani; Corie Pierce (CP)
Absent: Franklin Quarcoo (FQ), Chair
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- February 17, 2026 notes update
- Assign 2029 sunsets (see table below)
- Food Technologist update
- Additional items
- Adjourn

Discussion

- **February 17, 2026 notes** were approved via email March 17, 2026.
- **Assign 2029 sunsets (see table below).** Members reviewed the list of 2029 sunsets (see table below), and talked about the criteria for determining whether they should request a new TR. Criteria include such things as age of last TR, changes in use patterns, availability of organic alternatives, etc. A member also mentioned that it would be helpful to think about whether a substance would be a candidate for an annotation change.
- **Food Technologist update.** The Food Technologist is preparing the final draft of the review on mined substances, which she will preview on the April 14 Materials call. The rest of the Board members will be invited to join the call if they would like to hear the update. .
- **Additional items.** None
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

March 3, 2026
    Chitosan (DN/NL) - Confirm TR need
March 17, 2026 - cancelled
April 7, 2026
    Assign 2029 sunsets (see table below)
April 21, 2026
    Prep for Spring meeting
Review Work agenda table (compost feedstocks?)
May 5, 2026 - cancelled. Conflicts with comment webinar.
May 19, 2026
    Post-meeting - may cancel
June 2, 2026
    Determine TR needs for 2029 sunsets
June 16, 2026
July 7, 2026
July 21, 2026
August 4, 2026

August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Pear Ester - add to 205.601	FQ	Proposal	Petition sent to CS 10.05.23. Petition suff/TR request due 12.04.23. Petition found sufficient/CS requested TR 11.21.23. Draft TR sent to CS 5.17.24. TR Suff due 7.16.24. TR found sufficient 7.2.24.	7.29.25 1.20.26	Spr 2026
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Likely will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Spring 2026 list due to MS by Feb 4, 2026.	1.20.26	Spr 2026
Biodegradable Biobased Mulch Film (BBMF)	TBD	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	TBD

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2026 Lmt'd Scope TR 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found suff 2.3.26	3.18.25 4.1.25 2.3.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	3.18.25 4.1.25 12.2.25	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	3.18.25 4.1.25 1.20.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	3.18.25 4.1.25 12.2.25 2.3.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	3.18.25 4.1.25 12.2.25	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	3.18.25 4.1.25 1.20.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	3.18.25 4.1.25 2.3.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	3.18.25 4.1.25 1.20.26	" "

2029 Sunset Review
TR Requests (June 2026), Summary (Spr 2027), Review (Fall 2027)
Previous Sunset Recommendations: 2022/Fall - Rec to Renew (2024 CS Sunsets)
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Herbicides, soap-based	205.601(b)(1)	FQ		Sunset date: 10/30/2029 2015 TR 1996 TAP	4.7.26	Summary: Spr 2027 Review: Fall 2027
Biodegradable biobased mulch film	205.601(b)(2)(iii)	NL		Sunset date: 10/30/2029 2023 NOP Memo 2019 NOP Policy Memo 15-1 2016 limited scope TR 2015 Report 2012 TR	4.7.26	" "
Boric acid	205.601(e)(3)	DN		Sunset date: 10/30/2029 1995 TAP	4.7.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Sticky traps/barriers	205.601(e)(9)	FQ		Sunset date: 10/30/2029 1995 TAP	4.7.26	" "
Elemental sulfur	205.601(e)(5) 205.601(h)(2) 205.601(i)(10) 205.601 (j)(2)	CP		Sunset date: 10/30/2029, and 06/22/2030 2018 TR 1995 TAP	4.7.26	" "
Coppers, fixed	205.601(i)(2)	NL		Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 1995 TAP	4.7.26	" "
Copper sulfate	205.601(i)(3)	NL		Sunset date: 10/30/2029 2022 TR (copper products) 2011 TR (copper sulfate and other copper products) 2001 TAP (copper sulfate) 1995 TAP	4.7.26	" "
Polyoxin D zinc salt	205.601(i)(11)	DN		Sunset date: 10/30/2029 2021 Limited Scope TR 2017 Limited scope TR 2013 Addendum #2 (pdf) 2012 TR	4.7.26	" "
Humic acids	205.601(j)(3)	DN		Sunset date: 10/30/2029 2012 TR (oxidized lignite/humic acid derivatives) 2006 TR 1996 TAP	4.7.26	" "
Micronutrients: Soluble boron products	205.601(j)(7)(i)	AF		Sunset date: 01/28/2029 2022 Limited Scope TR (soluble boron products) 2010 TR (Micronutrients)	4.7.26	" "
Micronutrients: Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601(j)(7)(ii)	AF		Sunset date: 01/28/2029 2022 Limited Scope TR (Micronutrients) 2010 TR (Micronutrients)	4.7.26	" "
Vitamins, C and E	205.601(j)(9)	CP		Sunset date: 10/30/2029 2015 TR (vitamins B1, C, & E) 1995 TAP (vitamins B1, C, & E)	4.7.26	" "

Substance	National List	Lead	TR Request?	Notes*	Scheduled/ status	Target meeting
Squid byproducts	205.601(j)(10)	AF		Sunset date: 01/28/2029 2016 TR	4.7.26	" "
Lead salts	205.602(d)	CP		Sunset date: 10/30/2029 TR: None	4.7.26	" "
Tobacco dust (nicotine sulfate)	205.602(j)	FQ		Sunset date: 10/30/2029 TR: None	4.7.26	" "

Spring 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2026	16 -20
NOP - Draft Spring 2026 NOSB meeting tentative agenda	Feb 19, 2026	~ 10
NOSB - Spring 2026 proposals due to NOP	Feb 26, 2026	~ 9
NOP - Post proposals/Open comment period	Mar 16, 2026	7.5
Public comment closes	Apr 16, 2026	3.5
NOP - Send compiled public comments to NOSB	Apr 22, 2026	3
Public comment webinars	May 5 & 7, 2026	1
Spring 2026 NOSB meeting - TBD	May 12 - 14, 2026	0
Final recommendations due	Jun 14, 2026	30 days post meeting

Fall 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 21, 2026	24
NOP - Draft Fall 2026 NOSB meeting agenda	Aug 11, 2026	~11
NOSB - Fall 2026 proposals due to NOP	Aug 20, 2026	~9
NOP - Post proposals/Open comment period	Aug 31, 2026	~8
Public comment closes	Oct 1, 2026	~4
NOP - Send compiled public comments to NOSB	Oct 7, 2026	~3
Public comment webinars	Oct 20 & 22, 2026	1
Fall 2026 NOSB meeting - Location TBD	TBD Oct 27 - 29, 2026	0
Final recommendations due	Nov 28, 2026	~30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, March 3, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Nate Lewis (NL); Dilip Nandwani; Corie Pierce (CP)
Absent: Amanda Felder (AF), Vice Chair; Heather Kumar (HK)
Staff: Michelle Arsenault (MA); Jo Mirenda (JM)

Agenda

- Review February 17, 2026 notes
- Chitosan (FQ) - TR determination
- Additional items
- Adjourn

Discussion

- **February 17, 2026 notes** were approved as written.
  Chitosan (FQ/DN/NL) - TR determination. The Crops Chair summarized the petition requests for chitosan, and the group discussed the need for a new TR. In one of the petitions, chitosan is being proposed as an alternative to copper for pest management. The group discussed production methods, waste products, potential environmental concerns, and usefulness as an alternative to copper. In addition to a 2020 TR, the Handling Subcommittee just received a Limited Scope TR, and while the focus of that new TR is not Crops, the CS thinks it may contain adequate information and references for them to move forward. Therefore the CS will not request a new TR. To gather the information they are seeking, the Subcommittee will pose questions to stakeholders and send a project request to the Food Technologist to research the citations that are in the existing TRs.
  The NOP added that chitosan was also recently classified by the EPA as a Minimum Risk active ingredient - https://www.epa.gov/pesticides/epa-adds-chitosan-list-active-ingredients-eligible-minimum-risk-pesticide-exemption, and it might be helpful.
  The CS intends to complete the two chitosan documents at the Fall 2026 meeting, while Handling has a proposal for the Spring meeting.
- **Additional items.** The group discussed various NOSB administrative items, such as the Spring and Fall meeting dates and the nominations.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

February 17, 2026
    Chitosan (NL) - Petition sufficiency/TR determination
March 3, 2026
    Chitosan (DN/NL) - Confirm TR need
March 17, 2026
April 7, 2026
April 21, 2026
May 5, 2026
May 19, 2026
June 2, 2026
June 16, 2026
July 7, 2026

July 21, 2026
August 4, 2026
August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Pear Ester - add to 205.601	FQ	Proposal	Petition sent to CS 10.05.23. Petition suff/TR request due 12.04.23. Petition found sufficient/CS requested TR 11.21.23. Draft TR sent to CS 5.17.24. TR Suff due 7.16.24. TR found sufficient 7.2.24.	7.29.25 1.20.26	Spr 2026
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Likely will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Fall 2025 list due to MS by July 8, 2025. Spring 2026 list due to MS by Feb 4, 2026.	1.20.26	Spr 2026
Biodegradable Biobased Mulch Film (BBMF)	TBD	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	TBD

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found sufficient 2.3.26.	3.18.25 4.1.25 2.3.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found sufficient 2.3.26.	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found sufficient 2.3.26.	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found sufficient 2.3.26.	3.18.25 4.1.25 2.3.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	DN	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	3.18.25 4.1.25 12.2.25	" "
Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	3.18.25 4.1.25 1.20.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	3.18.25 4.1.25 12.2.25 2.3.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	3.18.25 4.1.25 12.2.25	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	3.18.25 4.1.25 1.20.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	3.18.25 4.1.25 2.3.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	3.18.25 4.1.25 1.20.26	" "

Spring 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2026	16 -20
NOP - Draft Spring 2026 NOSB meeting tentative agenda	Feb 19, 2026	~ 10
NOSB - Spring 2026 proposals due to NOP	Feb 26, 2026	~ 9
NOP - Post proposals/Open comment period	Mar 16, 2026	7.5
Public comment closes	Apr 16, 2026	3.5
NOP - Send compiled public comments to NOSB	Apr 22, 2026	3
Public comment webinars	May 5 & 7, 2026	1
Spring 2026 NOSB meeting - Omaha, NE (Tentative)	May 12 - 14, 2026	0
Final recommendations due	Jun 14, 2026	30 days post meeting

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.

Crops Subcommittee (CS) Notes
Tuesday, February 17, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Dilip Nandwani; Corie Pierce (CP)
Absent: None
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review February 3, 2026 notes
- Chitosan (AH) - Petition sufficiency/TR determination
- Additional items
- Adjourn

Discussion

- **February 3, 2026 notes** were accepted as written.
- **Chitosan (AH) - Petition sufficiency/TR determination.** The petition was found sufficient and the CS discussed the need for a TR. There is a 2020 TR for Crops and a 2026 Limited Scope TR for Handling, and while the use is different for the 2026 one, the manufacturing process(es) might be the same. The lead will review the two previous TRs and confirm at the next call whether the CS wants to request a new TR or not. The CS intends to write proposals for the Fall 2026 meeting. The group had a conversation about alternatives, and will continue the discussion on the next call.
- **Additional items.** Two 2028 sunsets substances were reassigned from members who rotated off the Board last month (copper sulfate and magnesium oxide).
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

February 3, 2026
- 2028 Sunset: Peracetic Acid (CP) - complete review
- 2028 Sunset: Calcium chloride (CP) - complete review
- 2028 Sunset: Chlorine Materials (FQ) - discuss

February 17, 2026
- Chitosan (NL) - Petition sufficiency/TR determination

March 3, 2026
- Chitosan (NL) - Confirm TR need

March 17, 2026
April 7, 2026
April 21, 2026
May 5, 2026
May 19, 2026
June 2, 2026
June 16, 2026
July 7, 2026
July 21, 2026
August 4, 2026
August 18, 2026

September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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

Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Pear Ester - add to 205.601	FQ	Proposal	Petition sent to CS 10.05.23. Petition suff/TR request due 12.04.23. Petition found sufficient/CS requested TR 11.21.23. Draft TR sent to CS 5.17.24. TR Suff due 7.16.24. TR found sufficient 7.2.24.	7.29.25 1.20.26	Spr 2026
Chitosan - 1. Classify as nonsynthetic	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026
Chitosan - 2. Add to 205.601	NL/DN	Proposal	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26. Petition found suff 2.17.26. 2026 TR (Handling, Lmtd scope) 2020 TR Crops 2020 Livestock petition	2.17.26 3.3.26	Fall 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Likely will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	FQ	Fall 2025 list due to MS by July 8, 2025. Spring 2026 list due to MS by Feb 4, 2026.	1.20.26	Spr 2026
Biodegradable Biobased Mulch Film (BBMF)	TBD	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	TBD

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
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Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
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Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found sufficient 2.3.26.	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26. TR found sufficient 2.3.26.	3.18.25 4.1.25 2.3.26	" "
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Ozone gas	205.601(a)(5)	AF	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	3.18.25 4.1.25 1.20.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	3.18.25 4.1.25 12.2.25 2.3.26	" "
Magnesium oxide	205.601(j)(5)	AF	N	Sunset date: 5/29/2028 2021 TR	3.18.25 4.1.25 12.2.25	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	3.18.25 4.1.25 1.20.26	" "
Calcium chloride	205.602(c)	CP	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	3.18.25 4.1.25 2.3.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	3.18.25 4.1.25 1.20.26	" "

Spring 2026 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2026	16 -20
NOP - Draft Spring 2026 NOSB meeting tentative agenda	Feb 19, 2026	~ 10
NOSB - Spring 2026 proposals due to NOP	Feb 26, 2026	~ 9
NOP - Post proposals/Open comment period	Mar 16, 2026	7.5
Public comment closes	Apr 16, 2026	3.5
NOP - Send compiled public comments to NOSB	Apr 22, 2026	3
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Spring 2026 NOSB meeting - Omaha, NE (Tentative)	May 12 - 14, 2026	0
Final recommendations due	Jun 14, 2026	30 days post meeting

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Crops Subcommittee (CS) Notes
Tuesday, February 3, 2026 2:00 pm ET

Present: Franklin Quarcoo (FQ), Chair; Amanda Felder (AF), Vice Chair; Nate Lewis (NL); Dilip Nandwani; Corie Pierce (CP)
Absent: None
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review January 20, 2026 notes
- 2028 Sunset: Peracetic Acid (CP) - complete review
- 2028 Sunset: Calcium chloride (CP) - complete review
- 2028 Sunset: Chlorine Materials (FQ) - discuss
- Chitosan (AH) - Petition sufficiency/TR determination
- Additional items
- Adjourn

Discussion

- **January 20, 2026 notes** were accepted with a correction to the pear ester vote.
- **2028 Sunset: Peracetic Acid (CP).** The lead summarized the review of peracetic acid. It is benign, biodegradable, a powerful oxidizing agent, and desired by growers as an alternative to chlorine. Unlike chlorine it does not need to be rinsed off. It has broad spectrum use, and is effective for use in cold climates. The CS discussed concentrations of peracetic acid and the Food Safety Modernization Act (FSMA). DN highlighted that the TR on chlorine materials is comprehensive and well written, and it would be useful to include a summary of the pertinent information in this sunset review.
- **2028 Sunset: Calcium chloride (CP).** Calcium chloride is listed at 205.602, as a restricted natural. It's used by fruit growers for various crop diseases, and is an important tool. The CS discussed questions about classification and alternatives. The lead will submit the document to the NOP for the Spring 2026 meeting.
- **2028 Sunset: Chlorine Materials (FQ).** The lead writer summarized the uses, manufacture, health aspects, and previous reviews of chlorine materials. The CS found the TR sufficient and will relay that to the NOP, along with Handling and Livestock Chairs. Members suggested minor edits to the sunset review and will submit it for the Spring meeting.
- **Chitosan (NL/AH).** Petition sufficiency/TR determination deferred to the next call.
- **Additional items.** None.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)

January 20, 2026
- 2028 Sunset: EPA List 3 Inerts (NL) - discuss
- 2028 Sunset: Ozone (AF) - discuss
- 2028 Sunset: Rotenone (AF) - discuss
- Research Priorities - finalize list for MS
- Pear ester petition proposal (FQ) - discuss/vote

February 3, 2026

2028 Sunset: Peracetic Acid (CP) - complete review
2028 Sunset: Calcium chloride (CP) - complete review
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February 17, 2026

Chitosan (AH) - Petition sufficiency/TR determination

March 3, 2026
March 17, 2026
April 7, 2026
April 21, 2026
May 5, 2026
May 19, 2026
June 2, 2026
June 16, 2026
July 7, 2026
July 21, 2026
August 4, 2026
August 18, 2026
September 1, 2026
September 15, 2026
October 6, 2026
October 20, 2026
November 3, 2026
November 17, 2026
December 1, 2026
December 15, 2026

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Petitioned Substances

Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Pear Ester - add to 205.601	FQ	Proposal	Petition sent to CS 10.05.23. Petition suff/TR request due 12.04.23. Petition found sufficient/CS requested TR 11.21.23. Draft TR sent to CS 5.17.24. TR Suff due 7.16.24. TR found sufficient 7.2.24.	7.29.25 1.20.26	Spr 2026
Chitosan - 1. Classify as nonsynthetic; 2. Add to 205.601	NL - temp/AH	TBD	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26	2.17.26	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Likely will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	BC	Fall 2025 list due to MS by July 8, 2025. Spring 2026 list due to MS by Feb 4, 2026.	1.20.26	Spr 2026
Biodegradable Biobased Mulch Film (BBMF)	TBD	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	TBD

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
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Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
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Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 2.3.26	" "
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	BC	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	3.18.25 4.1.25 12.2.25	" "
Ozone gas	205.601(a)(5)	AF/LP	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	3.18.25 4.1.25 1.20.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	3.18.25 4.1.25 12.2.25 2.3.26	" "
Magnesium oxide	205.601(j)(5)	ADB	N	Sunset date: 5/29/2028 2021 TR	3.18.25 4.1.25 12.2.25	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	3.18.25 4.1.25 1.20.26	" "
Calcium chloride	205.602(c)	CP/NL	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	3.18.25 4.1.25 2.3.26	" "
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Crops Subcommittee (CS) Notes
Tuesday, January 20, 2026 2:00 pm ET

Present: Nate Lewis (NL), Vice Chair; Amy Bruch (ADB); Brian Caldwell (BC); Franklin Quarcoo (FQ); Corie Pierce (CP); Amanda Felder (AF)
Absent: Logan Petrey (LP), Chair
Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review January 6, 2026 notes
- 2028 Sunset: EPA List 3 Inerts (NL) - discuss
- 2028 Sunset: Ozone (AF) - discuss
- 2028 Sunset: Rotenone (AF) - discuss
- Pear Ester petition proposal (FQ) - discuss/vote
- Research Priorities
- Additional items
- Adjourn

Discussion

- **January 6, 2026 notes** were accepted as written.
- **2028 Sunset: EPA List 3 Inerts (NL).** The lead summarized the review of List 3 inerts highlighting the use in pheromones. Members added feedback about acreage and personal experiences using these substances. List 3 inerts have a narrow use, and are seen as necessary in organic orchards. The CS will submit this review to the NOP for the Spring meeting.
- **2028 Sunset: Ozone (AF).** The lead summarized the uses of ozone as well as public comment from the last review. Exposure during manufacturing is the biggest risk, and as long as good manufacturing processes are observed, that risk is low. The CS added questions about alternatives. And will submit the review for the Spring meeting.
- **2028 Sunset: Rotenone (AF).** The lead briefly summarized rotenone. It's a prohibited natural. Growers (both organic and conventional) voluntarily removed rotenone from use, given the human health issues. The are no questions for stakeholders. The HS completed the review for the Spring meeting, and will submit the document to the NOP.
- **Pear Ester petition proposal (FQ).** The lead summarized the proposal, noting the reclassification from a pheromone to a kairomone. Pear ester is used to monitor populations of codling moth, and used as a mating disrupter. Based on public feedback from the Fall meeting, the CS proposed an annotation to prohibit use in microencapsulated formulations.

  Motion to classify pear ester as synthetic
  Motions by: FQ
  Seconded by: BC
  Yes: 6 No: 0 Abstain: 0 Recuse: 0 Absent: 1

  Motion to add pear ester at 205.601(f) with the following annotation: Microencapsulated formulations prohibited.
  Motions by: FQ
  Seconded by: ADB
  Yes: 6 No: 0 Abstain: 0 Recuse: 0 Absent: 1

- **Research Priorities (BC).** The lead incorporated changes discussed during the last call, and the group reviewed them before approving to send the list to the Materials Subcommittee. The group also discussed the research priorities framework and schedule, and will revisit that for the next cycle.
- **Additional items.** Cover letters for the final recommendations from the Fall meeting are due February 13.
- **The meeting was adjourned**

Previous CS Notes

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Research Priorities (BC) - discuss list

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February 17, 2026

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Tuesday, January 6, 2026 2:00 pm ET

Present: Amy Bruch (ADB); Brian Caldwell (BC); Franklin Quarcoo (FQ); Corie Pierce (CP)
Absent: Amanda Felder (AF); Logan Petrey (LP), Chair; Nate Lewis (NL), Vice Chair; Heather Kumar (HK)
Staff: Michelle Arsenault (MA); Jo Mirenda (JM)

Agenda
- Review December 16, 2025 notes
- Winter meeting updates/2027 sunset presentation reminders/finalizing docs after voting
- 2028 Sunset: Peracetic Acid (CP). Complete review
- 2028 Sunset: Calcium chloride (CP). Complete review
- Research Priorities (BC) - discuss list
- Additional items
- Adjourn

Discussion
- **December 16, 2025 notes** were accepted as written
- **Winter meeting updates/2027 sunset presentation reminders/finalizing docs after voting (ADB).**
    - The Chair suggested folks review the TR and proposal for compost, to get up to speed before the NOSB meeting next week. The group reviewed the agenda for the January meeting and specifically discussed how to present the sunset reviews. The goal is to be brief, and focus on highlights and public comments.
    - The Chair asked that members forward any questions they may have for Q and A with the NOP. Please send to the NOSB Officers by Thursday afternoon - 3pm Eastern.
- **2028 Sunset: Peracetic Acid (CP). Deferred to February 3 call.**
- **2028 Sunset: Calcium chloride (CP). Deferred to February 3 call.**
- **Research Priorities (BC).** The lead reviewed the written comments and incorporated them into the document, which will be presented at the Spring 2026 meeting. He highlighted the new category of "interdisciplinary", and noted that he moved the topic of sanitizers under that heading, given that sanitizers appear on the national List across all three scopes: Crops, Livestock, and Handling.
  The CS added a few new topics that were gleaned from public comment. 1. Plasticizers and other additives to paper and their behavior in the environment. 2. Studies of the effects of long-term (2+ years) use of in-situ plastic weed barriers/landscape fabric on soils in greenhouse and container growing systems. 3. Organic agroforestry and perennial based systems.
  NOP shared the link to the Secretary's Research Priorities, so the Board is aware.
  https://www.usda.gov/about-usda/news/press-releases/2025/12/30/secretary-rollins-announces-new-priorities-research-and-development-2026.
- **Additional items.** After the conclusion of the meeting next week, the officers will rearrange the Subcommittee rosters as much as possible, given that 5 members are rotating off and we don't yet have new appointees.
- **The meeting was adjourned**

Previous CS Notes

Future call schedule (1st and 3rd Tuesdays 2:00 PM ET | 11:00 AM PT, except where noted)
December 16, 2025

January 6, 2026

Research Priorities (BC) - discuss list

January 20, 2026

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2028 Sunset: Ozone (AF) - discuss

2028 Sunset: Rotenone (AF) - discuss

Pear Ester petition proposal (FQ) - discuss/finalize

February 3, 2026

2028 Sunset: Peracetic Acid (CP). Complete review

2028 Sunset: Calcium chloride (CP). Complete review

2028 Sunset: Chlorine Materials (FQ) - discuss

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February 17, 2026

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Substance	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Pear Ester - add to 205.601	FQ	Proposal	Petition sent to CS 10.05.23. Petition suff/TR request due 12.04.23. Petition found sufficient/CS requested TR 11.21.23. Draft TR sent to CS 5.17.24. TR Suff due 7.16.24. TR found sufficient 7.2.24.	7.29.25 1.20.26	Spr 2026
Chitosan - 1. Classify as nonsynthetic; 2. Add to 205.601	NL - temp/AH	TBD	Two petitions sent to CS 12.9.25. Petition suff/TR request due 2.7.26	2.3.26	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
Synthetic Compostable Polymers Proposal	NL/AF	NOP memo sent to NOSB October 11, 2023 CS requested TR on compostables 9.17.24. TR expected April 2025. TR draft sent to CS 3.31.25. TR sufficiency due 5.27.25. TR found sufficient 4.23.25 (via email).	5.20.25 7.15.25 8.19.25	Fall 2025
Paper as compost feedstocks discussion document	NL	Split out from the Synthetic Compostable Polymers topic 7.15.25. Likely will need a separate work agenda request.	7.15.25 8.19.25	TBD
Research Priorities	BC	Fall 2025 list due to MS by July 8, 2025. Spring 2026 list due to MS by Feb 4, 2026.	7.1.25 1.6.26	Fall 2025
Biodegradable Biobased Mulch Film (BBMF)	TBD	Previous NOSB work (2012 – 2021) NOP memo sent to NOSB September 8, 2023. Crops will not work on this at this time. On hold.	9.19.23 10.3.23	TBD

2027 Sunset Review
TR Requests (June 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Potassium hypochlorite	205.601(a)(2)(iv)	FQ	Y Lmtd Scope	Sunset date: 04/22/2027 TR: 2011 TR (chlorine materials) 2019/Fall - Rec to ADD 03/23/2022 87 FR 16371 TR due early Nov 2024. TR sent to CS 11.12.24. TR suff due 1.11.25. TR found sufficient 11.19.24.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Soap-based algicide/demossers	205.601(a)(7)	ADB	N	Sunset date: 03/15/2027 TAP: 1996 TR: 2015 (Soap-Based Algicide/Demossers) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Ammonium carbonate	205.601(e)(1)	LP -> NL	N	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.3.25	" "
Soaps, insecticidal	205.601(e)(8)	ADB	N	Sunset date: 03/15/2027 TAP: 1994 TR: 2020 2020/Fall - Rec to	8.5.25	" "
Sucrose octanoate esters	205.601(e)(10)	FQ	Y Lmt'd scope	Sunset date: 03/15/2027 TR: 2005 2018/Fall - Rec to REMOVE 02/28/2022 87 FR 10930 TR sent to LS/CS	7.29.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Vitamin D_3	205.601(g)	ADB	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2011 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Aquatic plant extracts	205.601(j)(1)	NL	Y Lmt'd Scope	Sunset date: 03/15/2027 TAP: 2005 TR: 2006 TR: 2016 (Marine plants & algae) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early October 2024. TR sent to CS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	7.15.25	" "
Lignin sulfonate	205.601(j)(4)	LP -> NL	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2011 TR: 2020 (Lignins) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.3.25	" "
Fatty alcohols (C_6, C_8, C_{10}, and/or C_{12})	205.601(k)(2)	BC	N	Sunset date: 04/22/2027 TR: 2016 (C_8, C_{10}) 2019/Fall - Rec to ADD 03/23/2022 87 FR 16371	7.29.25	" "
Sodium silicate	205.601(l)	NL	Y Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1996 TR: 2011 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Nov 2024. Tr sent to CS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.7.25.	7.15.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
EPA List 4 Inerts	205.601(m)(1)	BC/NL	N	Sunset date: 03/15/2027 TR: 2015 (Nonylphenol ethoxylates) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.3.25	" "
Paper – (o) Production aids. (2) Paper-based crop planting aids as defined in § 205.2. Virgin or recycled paper without glossy paper or colored inks.	205.601(o)(2)	LP -> NL/CP	N	Sunset date: 12/14/2027 TAP: 1995 (Newspaper, recycled paper) TR: 2006 (Newspaper, recycled paper) TR: 2017 (Newspaper, recycled paper) TR: 2019 (Paper-based crop planting aids) 2021/Spring - Rec to ADD 11/14/2022 87 FR 68021	8.5.25 8.19.25	" "
Arsenic	205.602(b)	CP	N	Sunset date: 03/15/2027 TR: NA 2020/Fall - Rec to	6.3.25	" "
Strychnine	205.602(i)	AF	N	Sunset date: 03/15/2027 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.3.25	" "

Fall 2025 Milestones

Fall 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~May 15, 2025	24
NOP - Draft Fall 2025 NOSB meeting agenda	Aug 8, 2025	~11
NOSB - Fall 2025 proposals due to NOP	Aug 20, 2025	~9
NOP - Post proposals	Sept 9, 2025	~8
Public comment closes	Oct 8, 2025	~4
NOP - Send compiled public comments to NOSB	Oct 14, 2025	~3
Public comment webinars	Cancelled	1

Rescheduled public comment closes	Dec 30, 2025	2
Rescheduled Fall 2025 NOSB meeting - Virtual	Jan 13 & 14, 2026	0
Final recommendations due	Feb 13, 2026	~30 days post

2028 Sunset Review
TR Requests (June 2025), Summary (Spr 2026), Review (Fall 2026)
Previous Sunset Recommendations: 2021/Fall - Rec to Renew
Previous Rule/Renewals: 04/14/2023, 88 FR 22893

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Calcium hypochlorite	205.601(a)(2)(i)	LP ->	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 2.3.26	Summary: Spr 2026 Review: Fall 2026
Chlorine Materials: Chlorine dioxide	205.601(a)(2)(ii)	LP ->	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR 2006 TR 1995 TR Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.601(a)(2)(iii)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2015 TR (Handling) 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP 04/2016 recommendation to add Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 2.3.26	" "
Chlorine Materials: Sodium hypochlorite	205.601(a)(2)(v)	FQ	Y - Lmt'd Scope	Sunset date: 5/29/2028 2011 TR (Chlorine/Bleach) 2006 TR (Chlorine/Bleach) 1995 TAP Draft TR due Nov 2025. TR sent to CS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 2.3.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Copper sulfate	205.601(a)(3), and 205.601(e)(4)	BC	N	Sunset date: 5/29/2028 2011 TR (copper sulfate and other copper products) 2022 TR (copper products) 2001 TAP	3.18.25 4.1.25 12.2.25	" "
Ozone gas	205.601(a)(5)	AF/LP	N	Sunset date: 5/29/2028 2021 TR 2002 TAP	3.18.25 4.1.25 1.20.26	" "
Peracetic acid	205.601(a)(6), and 205.601(i)(8)	CP	N	Sunset date: 5/29/2028 2016 TR 2000 TAP	3.18.25 4.1.25 12.2.25 2.3.26	" "
Magnesium oxide	205.601(j)(5)	ADB	N	Sunset date: 5/29/2028 2021 TR	3.18.25 4.1.25 12.2.25	" "
EPA List 3 Inerts	205.601(m)(2)	NL	N	Sunset date: 5/29/2028 TR: N/A 6/2023 NOP Memo (requesting review of inert ingredients in pesticide products).	3.18.25 4.1.25 1.20.26	" "
Calcium chloride	205.602(c)	CP/NL	N	Sunset date: 5/29/2028 2021 TR 2001 TAP	3.18.25 4.1.25 2.3.26	" "
Rotenone	205.602(f)	AF	N	Sunset date: 5/29/2028 TR: N/A	3.18.25 4.1.25 1.20.26	" "