

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.

Handling Subcommittee (HS) Notes

Tuesday, December 16, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH); Kathryn Deschenes (KD); Dilip Nandwani (DN)

Absent: Logan Petrey (LP)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Approve December 2, 2025 notes
- Winter meeting updates/2027 sunset presentation reminders/finalizing docs after voting
- Petition review assignments (Potassium polyaspartate, Sea Silt)
- 2028 Sunset: Silicon dioxide (KS) - TR sufficiency
- 2028 Sunset: Carrageenan (CD) - TR Sufficiency
- 2028 Sunset: Cellulose (CD) - discuss
- Chitosan - petitioned (AH) - TR Sufficiency
- Additional items
- Adjourn

Discussion

- **December 2, 2025 notes** were accepted as written.
- **Winter meeting updates/2027 sunset presentation reminders/finalizing docs after voting.** The HS Chair updated the group on the process for the Fall meeting, which was rescheduled for January. In addition to the 2027 sunsets, Handling will present the proposal on L-Malic acid. The NOSB will conduct officer elections at the meeting, and after the meeting, the new officers will work with the Subcommittee Chairs on the new Subcommittee rosters.
- **Petition review assignments (Potassium polyaspartate, Sea silt).** Two new petitions were assigned and scheduled. See table below.
- **2028 Sunset: Silicon dioxide (KS).** The lead noted that with the exception of minor edits, she found the TR sufficient. The HS will relay its suggested edits to the NOP to pass along to the TR author for revisions. The lead summarized the sunset review highlighting forms, manufacture, ancillary substances (from new TR), and human and environmental health. She also included information about previous Board recommendations and NOP rulemaking, noting that the original annotation the NOSB proposed was subsequently revised by NOP during rulemaking to be less broad. The HS will include questions for stakeholders regarding nano materials, which will also be part of the discussion for cellulose.
- **2028 Sunset: Carrageenan (CD).** The lead summarized the review, and determined that the TR was not sufficient at this time. The HS is interested in more robust information on health impacts, and will provide a list of citations they feel should have been included. The HS will discuss carrageenan on a future call.
- **2028 Sunset: Cellulose (CD).** The lead summarized the review, noting its previous reviews and interest by the Board in reviewing ancillary substances. The project to review ancillary substances was not advanced, however the lead indicated that it doesn't have any bearing on this sunset review.
- **Chitosan - petitioned (AH).** The lead summarized the TR, which the HS deemed sufficient. Chitosan was petitioned as non-synthetic, however, based on the decision tree classification and the fact that despite coming from a natural source, it is processed with chemicals deeming it synthetic. Chitosan has been reviewed twice in the past. The group discussed the next steps, and whether it should be a discussion document or proposal. The HS will discuss chitosan again on the January 6, 2026
- **Additional items. None.**
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

December 2, 2025

December 16, 2025

- 2028 Sunset: Cellulose (CD) - discuss
- 2028 Sunset: Carrageenan (CD) - discuss TR Sufficiency
- 2028 Sunset: Silicon dioxide (KS) - TR Sufficiency
- Chitosan - petitioned (AH) - TR Sufficiency

January 6, 2026

- 2028 Sunset: Agar-agar (DN) - discuss
- 2028 Sunset: Calcium hypochlorite (KD) - discuss
- 2028 Sunset: Chlorine dioxide (KD) - discuss
- 2028 Sunset: Hypochlorous acid - generated from electrolyzed water (KD) - discuss
- 2028 Sunset: Sodium hypochlorite (KD) - discuss

January 20, 2026

- 2028 Sunset: Glucono delta-lactone (AH) - discuss
- 2028 Sunset: Potassium lactate (AH) - discuss
- 2028 Sunset: Sodium lactate (AH) - discuss
- Research Priorities - discuss/vote

February 3, 2026

- 2028 Sunset: Potassium hydroxide (AF) - discuss
- 2028 Sunset: Animal enzymes (KD) - discuss
- 2028 Sunset: Calcium sulfate - mined (AF) – discuss
- Potassium polyaspartate (KD) - petition sufficiency/TR need
- Sea Silt (AF) - petition sufficiency/TR need

February 17, 2026

Work Agenda

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

Petitioned Substances

Substance	National List	Cont act	Doc Type	Notes*	Schedule/ status	Target meeting
Chitosan	205.605 (b)	AH, CD	Proposal	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition . Petition suff. due 05.04.25. Petition found sufficient 4.1.25. HS requested a TR 4.8.25. TR sent to HS 11.14.25. Suff due 1.13.26. TR found sufficient 12.16.26	3.18.25 4.1.25 12.16.25 1.6.26	Spr 2026
Potassium polyaspartate	205.605	KD	TBD	Petition sent to HS 12.9.25. Petition suff. due 2.7.25.	12.16.25 2.3.26	TBD
Sea silt	205.605	AF	TBD	Petition sent to HS 12.9.25. Petition suff. due 2.7.25.	12.16.25 2.3.26	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification proposal	AJ, NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Sodium bicarbonate reclassification	KS/KD	Work agenda request approved by NOSB ExecComm 8.19.25. Approved by NOP 8.21.25	11.18.25	Spr 2026
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025 Spring 2026 list due to MS Feb 4	7.1.25 1.20.26	Spr 2026

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: 2025 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.5.25	" "
Waxes-nonsynthetic (wood rosin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25 8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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
Fall 2025 NOSB meeting	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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP Draft TR due late Dec 2025. TR sent to HS 12.12.25. Suff due 2.10.26	3.18.25 4.1.25 1.6.26	Summary: Spr 2026 Review: Fall 2026
Animal enzymes	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25 2.3.26	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25 2.3.26	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP TR sent to HS 11.14.25. Suff due 1.13.26. TR found not sufficient. Returned to NOP for edits 12.16.25	3.18.25 4.1.25 12.16.25 TBD	" "
Glucono delta- lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25 1.20.26	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25 11.18.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25 11.18.25 12.16.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025. TR sent to HS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025. TR sent to HS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 1.6.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025. TR sent to HS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025. TR sent to HS 12.10.25. TR Suff due 2.7.26	3.18.25 4.1.25 1.6.26	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25 2.3.26	" "
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25 1.20.26	" "
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica) TR sent to HS 11.14.25. Suff due 1.13.26. TR found sufficient 12.16.26.	3.18.25 4.15.25 12.2.25 12.16.25	" "
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25 1.20.26	" "

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Handling Subcommittee (HS) Notes **Tuesday, December 2, 2025 1:00 pm ET**

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH); Kathryn Deschenes (KD)

Absent: Logan Petrey (LP); Dilip Nandwani (DN)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Approve November 18, 2025 notes
- 2028 Sunset: Silicon dioxide (KS) - discuss
- 2028 Sunset: Agar-agar (DN) - discuss
- 2028 Sunset: Carrageenan (CD) - discuss
- 2028 Sunset: Cellulose (CD) - discuss
- Chitosan - petitioned (AH) - TR Sufficiency
- Additional items
- Adjourn

Discussion

- **November 18, 2025 notes** were accepted with modifications.
- **2028 Sunset: Silicon dioxide (KS).** The lead summarized the current status of the review for silicon dioxide, including the history of the substance when it was first listed, as well as [NOP Policy memo 15-2](#) on nanotechnology. The HS requested and received a new TR, which contains a lot of information regarding nanotechnology, and the lead feels like more review time is needed before deeming the TR sufficient. She also noted that the listing is for silicon dioxide, but there are many forms, and not all are used in food manufacturing.
- **2028 Sunset: Agar-agar (DN).** Deferred to future call.
- **2028 Sunset: Carrageenan (CD).** Deferred to future call.
- **2028 Sunset: Cellulose (CD).** Deferred to future call.
- **Chitosan - petitioned (AH) TR Sufficiency.** Deferred to future call.
- **Additional items.** The HS updated the schedule and made some changes to discussion dates.
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

November 18, 2025

Sodium bicarbonate reclassification (KS) - discuss/vote

2028 Sunset: Tartaric acid - made from grape wine (AJ) - discuss

December 2, 2025

December 16, 2025

2028 Sunset: Agar-agar (DN) - discuss

2028 Sunset: Cellulose (CD) - discuss

2028 Sunset: Carrageenan (CD) - discuss

2028 Sunset: Silicon dioxide (KS) - discuss

Chitosan - petitioned (AH) - TR Sufficiency

January 6, 2026

2028 Sunset: Calcium hypochlorite (KD) - discuss

2028 Sunset: Chlorine dioxide (KD) - discuss

2028 Sunset: Hypochlorous acid - generated from electrolyzed water (KD) - discuss
 2028 Sunset: Sodium hypochlorite (KD) - discuss

January 20, 2026

2028 Sunset: Glucono delta-lactone (AH) - discuss
 2028 Sunset: Potassium lactate (AH) - discuss
 2028 Sunset: Sodium lactate (AH) - discuss
 Research Priorities - discuss/vote

February 3, 2026

2028 Sunset: Potassium hydroxide (AF) - discuss
 2028 Sunset: Animal enzymes (KD) - discuss
 2028 Sunset: Calcium sulfate - mined (AF) - discuss

February 17, 2026

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Schedule/status	Target meeting
Chitosan	205.605(b)	AH, CD,	Proposal	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition. Petition suff. due 05.04.25. Petition found sufficient 4.1.25. HS requested a TR 4.8.25. TR sent to HS 11.14.25. Suff due 1.13.26	3.18.25 4.1.25 12.16.25	Spr 2026

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification proposal	AJ, NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Sodium bicarbonate reclassification	KS/KD	Work agenda request approved by NOSB ExecComm 8.19.25. Approved by NOP 8.21.25	11.18.25	Spr 2026
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025 Spring 2026 list due to MS Feb 4	7.1.25 1.20.26	Spr 2026

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: 2025 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.5.25	" "
Waxes-nonsynthetic (wood rosin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25 8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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
Fall 2025 NOSB meeting	TBD	0
Final recommendations due	TBD	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP Draft TR due late Dec 2025	3.18.25 4.1.25 12.16.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25 2.3.26	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25 2.3.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP TR sent to HS 11.14.25. Suff due 1.13.26	3.18.25 4.1.25 12.16.25	" "
Glucono delta-lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25 1.20.26	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25 11.18.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25 11.18.25 12.16.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach) Draft TR due Nov 2025	3.18.25 4.1.25 1.6.26	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25 2.3.26	" "
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25 1.20.26	" "
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica) TR sent to HS 11.14.25. Suff due 1.13.26	3.18.25 4.15.25 12.2.25 12.16.25	" "
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25 1.20.26	" "

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.

Handling Subcommittee (HS) Notes

Tuesday, November 18, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH);

Absent: Logan Petrey (LP); Dilip Nandwani (DN); Kathryn Deschenes (KD); Michelle Arsenault (MA)

Staff: Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Sodium bicarbonate reclassification
- 2028 Sunset: Cellulose – discuss
- 2028 Sunset: Tartaric acid – discuss
- Review/update schedule
- Additional items
- Adjourn

Discussion

- **Sodium bicarbonate reclassification (KS).** The lead summarized the draft, emphasizing the preferred approach of adding synthetic sodium bicarbonate to the National List, while still keeping the nonsynthetic listing. The HS moved to classification and National List votes, and the lead will present the document at an upcoming NOSB meeting.

Classification Motions

Motion to classify sodium bicarbonate extracted from nahcolite deposits as nonsynthetic.

Motion by: Kyla Smith

Second by: Andrea Hatziyannis

Yes: 5 No: 0 Abstain: 0 Recuse: 0 Absent: 3

Motion to classify sodium bicarbonate produced from sodium carbonate (e.g., Solvay and trona ore) as synthetic.

Motion by: Kyla Smith

Second by: Amanda Felder

Yes: 5 No: 0 Abstain: 0 Recuse: 0 Absent: 3

National List Motion

Motion to add synthetic “sodium bicarbonate – produced via trona ore processing only” to 7CFR205.605(b).

Motion by: Kyla Smith

Second by: Andrea Hatziyannis

Yes: 5 No: 0 Abstain: 0 Recuse: 0 Absent: 3

- **2028 Sunset: Cellulose (CD).** The lead summarized the review and highlighted that additional searches from past NOSB documents were needed to better understand the six functional classes of ancillary substances used in combination with cellulose. The lead will revise the draft and present it at a future subcommittee call.
- **2028 Sunset: Tartaric acid (AJ).** The lead summarized the review. Another member asked about the manufacturing process, particularly how grape products from the waste stream are used to produce tartaric acid. The lead will revise the draft to address the question, and will recirculate.
- **Review/update schedule.** The members discussed their workload for the next semester.

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

Previous HS Notes

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

October 7, 2025 - cancelled due to shutdown

2028 Sunset: Tartaric acid - made from grape wine (AJ) - discuss

2028 Sunset: Cellulose (CD) - discuss

Sodium bicarbonate reclassification (KS) - discuss/vote

October 21, 2025 - cancelled due to shutdown

November 4, 2025 - cancelled

November 18, 2025

Sodium bicarbonate reclassification (KS) - discuss/vote

2028 Sunset: Tartaric acid - made from grape wine (AJ) – discuss

2028 Sunset: Cellulose (CD) - discuss

December 2, 2025

2028 Sunset: Agar-agar (DN) - discuss

2028 Sunset: Carrageenan (CD) - discuss

2028 Sunset: Silicon dioxide (KS) - discuss

2028 Sunset: Cellulose (CD) - discuss

December 16, 2025

2028 Sunset: Animal enzymes (KD) - discuss

2028 Sunset: Calcium sulfate - mined (AF) - discuss

2028 Sunset: Potassium hydroxide (AF) - discuss

January 6, 2026

2028 Sunset: Calcium hypochlorite (KD) - discuss

2028 Sunset: Chlorine dioxide (KD) - discuss

2028 Sunset: Hypochlorous acid - generated from electrolyzed water (KD) - discuss

2028 Sunset: Sodium hypochlorite (KD) - discuss

January 20, 2026

2028 Sunset: Glucono delta-lactone (AH) - discuss

2028 Sunset: Potassium lactate (AH) - discuss

2028 Sunset: Sodium lactate (AH) - discuss

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Schedule/status	Target meeting
Chitosan	205.605(b)	AH, CD,	Pro- posal	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition. Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR 4.8.25.	3.18.25 4.1.25 12.2.25	Spr 2026

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification proposal	AJ, NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Sodium bicarbonate reclassification	KS, AJ	Work agenda request approved by NOSB ExecComm 8.19.25. Approved by NOP 8.21.25	11.18.25	Spr 2026
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25 1.20.26	Spr 2026

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: 2025 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.5.25	" "
Waxes-nonsynthetic (wood rosin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25 8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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
Fall 2025 NOSB meeting	TBD	0
Final recommendations due	TBD	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25 12.2.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25 12.16.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25 12.16.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25 12.2.25	" "
Glucono delta- lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25 1.20.26	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25 11.18.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25 11.18.25 12.2.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25 1.6.26	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	KD/LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25 1.6.26	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25 12.16.25	“ “
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25 1.20.26	“ “
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25 12.2.25	“ “
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25 1.20.26	“ “

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.

Handling Subcommittee (HS) Notes

Tuesday, August 5, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH); Logan Petrey (LP)

Absent: Dilip Nandwani (DN); Kathryn Deschenes (KD); Heather Kumar (HK)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM)

Agenda

- Review July 15, 2025 notes
- 2027 Sunset: Wood rosin (LP) - discuss/vote
- 2027 Sunset: Carnauba wax (LP) - discuss/vote
- 2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote
- 2027 Sunset: Sodium bicarbonate (KS) - discuss/vote
- Additional items.
- Adjourn

Discussion

- **July 15, 2025 notes** were approved as written.
- **2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH).** The lead summarized the draft review, noting the inclusion of previous Subcommittee discussion about the cumulative effects of phosphates as well as previous public comment. The HS moved to a vote and the lead will submit the document for the Fall meeting.

Motion to remove calcium phosphates (monobasic, dibasic, and tribasic) from the National List.

Motion by: AH

Seconded by: AF

Yes: 1 No: 5 Abstain: 0 Recuse: 0 Absent: 2

- **2027 Sunset: Wood rosin (LP).** The lead summarized the review and highlighted that there were little to no changes to the Spring version of the document. The HS didn't receive any comments at the Spring meeting opposing the re-listing of wood rosin.

Motion to remove wood rosin from the National List

Motion by: LP

Seconded by: AF

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

- **2027 Sunset: Carnauba wax (LP).** The lead summarized the uses, manufacture, and environmental concerns of carnauba. Stakeholders and Board members were supportive of relisting. There are organic alternatives, but producers indicated that they do not produce satisfactory results when used as a processing aid.

Motion to remove carnauba wax from the National List

Motion by: LP

Seconded by: AH

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

- **2027 Sunset: Sodium bicarbonate (KS).** The HS just received a new TR which was deemed sufficient. Sodium bicarbonate is widely used, and the manufacturing process results in both synthetic and non-synthetic versions. The majority of sodium bicarbonate in use is synthetic. The HS proposes to continue to list this substance as non-synthetic at 205.605(a)(26) while also pursuing a separate work agenda item to classify and list it as synthetic.

Motion to remove sodium bicarbonate from the National List

Motion by: KS

Seconded by: AF

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

- **Additional items.**
 - The lead proposed a work agenda request to classify sodium bicarbonate produced via the trona process as synthetic. After discussion and feedback, the HS agreed to pursue this. The lead will write the request, and the HS will present it to the Executive Team at the August call.
 - The handling Subcommittee has completed all its agenda items for the Fall meeting, and cancelled the August 19 call. The CACS will add an extra call in that timeslot.
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

July 15, 2025

2027 Sunset: Ozone (AF) - discuss/vote

2027 Sunset: Sodium hydroxide (AF) - discuss/vote

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss

Mined minerals update (HK)

August 5, 2025

2027 Sunset: Wood rosin (LP) - discuss/vote

2027 Sunset: Carnauba wax (LP) - discuss/vote

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote

2027 Sunset: Sodium bicarbonate (KS) - discuss/vote

August 19, 2025 - cancelled

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025 - cancel

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Schedule/status	Target meeting
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition. Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR 4.8.25.	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification proposal	AJ, NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25	Fall 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: 2025 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.5.25	" "
Waxes-nonsynthetic (wood rosin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25 8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet— animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin)	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta-lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	" "
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	" "
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	" "
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	" "

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.

Handling Subcommittee (HS) Notes

Tuesday, July 15, 2025 1:00 pm ET

Present: Kyla Smith (KS), Vice Chair; Carolyn Dimitri (CD); Dilip Nandwani (DN); Amanda Felder (AF); Andrea Hatziyannis (AH); Kathryn Deschenes (KD)

Absent: Allison Johnson (AJ), Chair; Logan Petrey (LP)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review July 1, 2025 notes
- 2027 Sunset: Ozone (AF) - discuss/vote
- 2027 Sunset: Sodium hydroxide (AF) - discuss/vote
- Mined minerals update (HK)
- Additional items
- Adjourn

Discussion

- **July 1, 2025 notes** were approved as written
- **2027 Sunset: Ozone (AF).** The lead summarized the uses of ozone and highlighted the perpetual conversations about sanitizers. During the Spring review, commenters mentioned human health concerns from ozone exposure. The group discussed safeguards by both EPA and OSHA, who monitor and regulate ozone. The lead also noted that the break down products of ozone are benign. Based on feedback from HS members, the lead will add language regarding human health concerns and submit the final review for the Fall meeting.

Motion to remove ozone from the National List

Motion by: AF

Seconded by: DN

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

- **2027 Sunset: Sodium hydroxide (AF).** The lead summarized the uses of sodium hydroxide as well as the current annotation. Sodium hydroxide was unanimously relisted last time it was reviewed. The HS discussed a comment suggesting the NOSB add an annotation with allowed uses rather than prohibitions. The lead will finalize the document and submit it for the Fall meeting.

Motion to remove sodium hydroxide from the National List

Motion by: AF

Seconded by: KD

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

- **2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH).** The lead summarized the uses, history, and international allowances of calcium phosphates. She highlighted previous discussions about the cumulative effects of phosphates, which she included in the review. Members suggested modifications to the text regarding human health concerns, specifically acknowledging the need for consistency in the phosphate listings. The lead will update the review and the HS will vote on the next call.
- **Mined minerals update (HK).** The Food Technologist offered background information about how this project was initiated. The main goal is to shed light on environmental concerns regarding mining so the

Board can have informed discussions about substances that are mined. The draft document includes an outline of mining methods, regulatory oversight, and human health impacts. The group views this as a long-term project given the scope of the work.

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

Previous HS Notes

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

July 1, 2025

Research Priorities (DN, KS, All)

2027 Sunset: Kaolin (KD) - discuss/vote

July 15, 2025

2027 Sunset: Ozone (AF) - discuss/vote

2027 Sunset: Sodium hydroxide (AF) - discuss/vote

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss

Mined minerals update (HK)

August 5, 2025

2027 Sunset: Wood rosin (LP) - discuss/vote

2027 Sunset: Carnauba wax (LP) - discuss/vote

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote

2027 Sunset: Sodium bicarbonate (KS) - discuss/vote

August 19, 2025

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Schedule/status	Target meeting
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition. Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR 4.8.25.	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification proposal	AJ, NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25	Fall 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: 2025 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.5.25	" "
Waxes-nonsynthetic (wood rosin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25 8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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	Oct 28 & 30, 2025	1

Fall 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet— animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin)	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta- lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	" "
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	" "
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	" "
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	" "

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.

Handling Subcommittee (HS) Notes

Tuesday, July 1, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Dilip Nandwani (DN); Amanda Felder (AF); Logan Petrey (LP)

Absent: Andrea Hatziyannis (AH)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review June 17, 2025 notes
- Research Priorities (DN, KS, All)
- 2027 Sunset: Kaolin (KD) - discuss/vote
- Additional items
- Adjourn

Discussion

- **June 17, 2025 notes** were accepted as written
- **Research Priorities (RPs) (KS, DN, All).** The HS Chair provided a brief summary of the Research Priorities process, and the lead summarized the Handling priorities. She noted that the HS hasn't received many comments, and that there were no requests to remove items from the list. The group discussed several ideas for additions to the list, some of which came from public comments. Ideas include research on the economic benefits of organic handling, which are less clear than the benefits of Livestock and Crops, and colors.
- **2027 Sunset: Kaolin (KD).** The lead summarized the uses of kaolin, which is used for filtration in juice and wine. Commenters were supportive of relisting, and the 2024 TR didn't add any new information that would contradict that sentiment.

Motion to remove kaolin from the National List

Motion by: KD

Seconded by: AF

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

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

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

June 17, 2025

L-Malic acid reclassification proposal (AJ/NL) - discuss/vote

2027 Sunset: Colors (AJ) - discuss/vote

July 1, 2025

Research Priorities (DN, KS, All)

2027 Sunset: Kaolin (KD) - discuss/vote

July 15, 2025

2027 Sunset: Ozone (AF) - discuss/vote

2027 Sunset: Sodium hydroxide (AF) - discuss/vote

Mined minerals update (HK)

August 5, 2025

2027 Sunset: Wood rosin (LP) - discuss/vote
 2027 Sunset: Carnauba wax (LP) - discuss/vote
 2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote
 2027 Sunset: Sodium bicarbonate (KS) - discuss/vote

August 19, 2025
 September 2, 2025
 September 16, 2025
 October 7, 2025
 October 21, 2025
 November 4, 2025
 November 18, 2025
 December 2, 2025
 December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Schedule/status	Target meeting
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition. Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR 4.8.25.	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification proposal	AJ, NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25	Fall 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.5.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet— animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin)	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta- lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	" "
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	“ “
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	“ “

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.

Handling Subcommittee (HS) Notes

Tuesday, June 17, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Amanda Felder (AF)

Absent: Logan Petrey (LP)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review June 3, 2025 notes
- L-Malic acid reclassification proposal (AJ/NL) - discuss/vote
- 2027 Sunset: Colors (AJ) - discuss/vote
- Additional items
- Adjourn

Discussion

- **June 3, 2025 notes** were accepted as written.
- **L-Malic acid reclassification proposal (AJ/NL).** The group discussed options for the classification motions. L-malic acid is produced both synthetically and non-synthetically, and since it already is listed at 205.605(a), Nonsynthetics allowed, the HS is proposing to add it to 205.605(b) Synthetics allowed.

Classification 1:

Motion to classify L-malic acid as produced by fermentation and/or enzymatic conversation of carbohydrates as non-synthetic.

Motion by: AJ

Seconded by: KS

Yes: 7 No: 0 Abstain: 0 Recuse: 0 Absent: 1

Classification 2:

Motion to classify L-malic acid produced from synthetic fumaric acid as synthetic.

Motion by: AJ

Seconded by: DN

Yes: 7 No: 0 Abstain: 0 Recuse: 0 Absent: 1

Motion to add L-Malic acid to the National List at 205.605(b)

Motion by: AJ

Seconded by: KS

Yes: 7 No: 0 Abstain: 0 Recuse: 0 Absent: 1

- **2027 Sunset: Colors (AJ).** The lead summarized the sunset reviews and previous public comments for the 10 colors. She noted that many/most are not available in organic form in sufficient quantities, such as beta carotene and grape skin extracts, while some are close to being available, such as black/purple carrot juice and chokeberry, aronia juice color. As such, these latter two as well as others, could be candidates for removal. The HS voted on each of the colors separately.

Motion to remove beet juice from the National List

Motion by: AJ

Seconded by: AF

Yes: 0 No: 7 Abstain: 0 Recuse: 0 Absent: 1

Motion to remove beta-carotene extract color from the National List

Motion by: AJ

Seconded by: DN

Yes: 0 No: 7 Abstain: 0 Recuse: 0 Absent: 1

Motion to remove black/purple carrot juice color from the National List

Motion by: AJ

Seconded by: AF

Yes: 2 No: 5 Abstain: 0 Recuse: 0 Absent: 1

Motion to remove chokeberry, aronia juice color from the National List

Motion by: AJ

Seconded by: KD

Yes: 3 No: 4 Abstain: 0 Recuse: 0 Absent: 1

Motion to remove elderberry juice color from the National List

Motion by: AJ

Seconded by: DN

Yes: 3 No: 4 Abstain: 0 Recuse: 0 Absent: 1

Motion to remove grape skin extract color from the National List

Motion by: AJ

Seconded by: AF

Yes: 1 No: 5 Abstain: 0 Recuse: 0 Absent: 2

Motion to remove purple sweet potato juice color from the National List

Motion by: AJ

Seconded by: KD

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

Motion to remove red cabbage extract color from the National List

Motion by: AJ

Seconded by: KS

Yes: 1 No: 5 Abstain: 0 Recuse: 0 Absent: 2

Motion to remove red radish extract color from the National List. Doesn't have adequate supply.

Motion by: AJ

Seconded by: KS

Yes: 0 No: 6 Abstain: 0 Recuse: 0 Absent: 2

Motion to remove saffron extract color from the National List

Motion by: AJ

Seconded by: DN

Yes: 1 No: 4 Abstain: 1 Recuse: 0 Absent: 2

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

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

June 3, 2025

L-Malic acid reclassification proposal (AJ/NL) - discuss
2027 Sunset: Low-acyl gellan gum (KS) - discuss/vote
2027 Sunset: Orange shellac (KS) - discuss/vote
2027 Sunset: Inulin oligofructose enriched (CD) - discuss/vote
2027 Sunset: Ammonium bicarbonate (DN) - discuss/vote
2027 Sunset: Ammonium carbonate (DN) - discuss/vote

June 17, 2025

L-Malic acid reclassification proposal (AJ/NL) - discuss/vote
2027 Sunset: Colors (AJ) - discuss/vote

July 1, 2025

Research Priorities (DN, KS, All)
2027 Sunset: Kaolin (KD) - discuss/vote

July 15, 2025

2027 Sunset: Ozone (AF) - discuss/vote
2027 Sunset: Sodium hydroxide (AF) - discuss/vote

August 5, 2025

2027 Sunset: Wood rosin (LP) - discuss/vote
2027 Sunset: Carnauba wax (LP) - discuss/vote
2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote

August 19, 2025

2027 Sunset: Sodium bicarbonate (KS) - discuss/vote

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Schedule/status	Target meeting
Chitosan	205.605(b)	AH, CH, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition . Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR 4.8.25.	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification proposal	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25	Fall 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.19.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/ Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet— animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin)	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta- lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12) (i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12) (ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12) (iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12) (iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	“ “
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	“ “
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	“ “
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	“ “

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.

Handling Subcommittee (HS) Notes

Tuesday, June 3, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Amanda Felder (AF); Logan Petrey (LP)

Absent: None

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review May 20, 2025 notes
- L-Malic acid reclassification proposal (AJ/NL).
- Sunset presentations/votes
 - 2027 Sunset: Sodium bicarbonate (KS) - discuss/vote
 - 2027 Sunset: Ammonium bicarbonate (DN) - discuss/vote
 - 2027 Sunset: Ammonium carbonate (DN) - discuss/vote
- Additional items
- Adjourn

Discussion

- **May 20, 2025 notes** were accepted as written.
- **L-malic acid reclassification proposal (AJ/NL).** The lead gave a brief summary of the proposal, history of the project, and public comment. Part of the impetus for this project was to address commercial availability, which was highlighted by many commenters over the years. A member has had discussions about fermentation, the decision tree, and how far back in the process certifiers look when determining compliance, specifically for substances that are produced using more than one method. The HS discussed the classification motion, and the lead will modify the wording based on the discussion and the HS will vote on the next call.
- **Sunset presentations/votes**
 - **Corn Starch and glycerin (CD).** The HS reviewed the two sunset reviews, which they voted on during the last call. The lead made some updates based on the written comment, and the HS agreed with the additions.
 - **Inulin oligofructose (CD).** The lead introduced the draft sunset review, and after a brief conversation, the HS moved to a vote.

Motion to remove inulin oligofructose

Motion by: CD

Seconded by: DN

Yes: 0 No: 8 Abstain: 0 Recuse: 0 Absent: 0

- **2027 Sunset: Low-acyl gellan gum (KS).** The lead summarized the material, which was recently added to the list. She noted the difference between this substance and high-acyl gellan gum, as well as public comments.

Motion to remove low-acyl gellan gum

Motion by: KS

Seconded by: KD

Yes: 0 No: 8 Abstain: 0 Recuse: 0 Absent: 0

- **2027 Sunset: Orange shellac (KS).** Orange shellac, produced from the lac insect, is used as a fruit coating and in candies. The lead reviewed comments from the Spring meeting, which included such topics as labeling that it is non-vegan, and ancillary substances. Essential, lack of opposition, and

Motion to remove orange shellac

Motion by: KS

Seconded by: AF

Yes: 0 No: 8 Abstain: 0 Recuse: 0 Absent: 0

- **Ammonium bicarbonate, Ammonium carbonate (DN).** The lead summarized both substances, noting their uses as leavening agents. The HS requested a new limited scope TR for both, which was received last fall and incorporated into the Spring review. The NOSB found no concerns during the previous sunset review and voted unanimously to continue the listing. The HS moved to votes on the substances separately.

Motion to remove ammonium bicarbonate

Motion by: DN

Seconded by: AH

Yes: 0 No: 8 Abstain: 0 Recuse: 0 Absent: 0

Motion to remove ammonium carbonate

Motion by: DN

Seconded by: AF

Yes: 0 No: 8 Abstain: 0 Recuse: 0 Absent: 0

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

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

May 20, 2025

June 3, 2025

L-Malic acid reclassification proposal (AJ/NL) - discuss

2027 Sunset: Low-acyl gellan gum (KS) - discuss/vote

2027 Sunset: Orange shellac (KS) - discuss/vote

2027 Sunset: Inulin oligofructose enriched (CD) - discuss/vote

2027 Sunset: Ammonium bicarbonate (DN) - discuss/vote

2027 Sunset: Ammonium carbonate (DN) - discuss/vote

June 17, 2025

L-Malic acid reclassification proposal (AJ/NL) - discuss/vote

2027 Sunset: Colors (AJ) - discuss/vote

July 1, 2025

Research Priorities (DN, KS, All)

2027 Sunset: Kaolin (KD) - discuss/vote

July 15, 2025

2027 Sunset: Ozone (AF) - discuss/vote

2027 Sunset: Sodium hydroxide (AF) - discuss/vote

August 5, 2025

2027 Sunset: Wood rosin (LP) - discuss/vote

2027 Sunset: Carnauba wax (LP) - discuss/vote

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote

August 19, 2025

2027 Sunset: Sodium bicarbonate (KS) - discuss/vote

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/status	Target meeting
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition . Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR .	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification Proposal	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25 6.17.25	Fall 2025
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25	Fall 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Schedule d/status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	8.19.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "

Substance	National List	Contact	TR Request?	Notes*	Schedule d/status	Target meeting
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	6.3.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Schedule d/status	Target meeting
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	“ “
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	“ “

Substance	National List	Contact	TR Request?	Notes*	Schedule d/status	Target meeting
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.3.25	" "

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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	Con tact	TR Request?	Notes*	Scheduled/ status	Target meeting
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet—animals derived; Catalase— bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin).	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta-lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12)(i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12)(ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12)(iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12)(iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	" "

Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	“ “
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	“ “
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	“ “

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.

Handling Subcommittee (HS) Notes

Tuesday, May 20, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Amanda Felder (AF); Logan Petrey (LP)

Absent: None

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review April 15, 2025 notes
- Debrief Spring 2025 meeting
- Review calendar
- Sunset presentations/votes
 - Cornstarch (native) (CD)
 - Inulin-oligofructose enriched (CD)
 - Glycerin (CD)
- Additional items
- Adjourn

Discussion

- **April 15, 2025 notes** were accepted as written.
- **Debrief Spring 2025 meeting.** The Chair opened the floor for feedback about the meeting. Members felt the meeting went well, and had no questions or concerns. One member mentioned disappointment at having to meet virtually instead of in person, but was glad the Board was able to meet, and that the meeting ended on time each day.
- **Fermentation.** While not a Handling agenda item specifically, a member indicated that she has a call scheduled to talk more about fermentation, how to move it forward, and what the Board's role is, if anything.
- **Commercial availability.** Will discuss this more at a future call.
- **Review calendar.** The Chair asked that members look at the schedule she made and let her know if any of the dates don't work.
- **Annotation Changes.** The National Organic Coalition (NOC) maintains a list of potential annotation changes and usually submits them with comments. Several members suggested that it would be helpful to refer to that list as the sunset reviews proceed.
- **Sunset presentations/votes**
 - **Cornstarch (native) (CD).** The lead summarized the review and noted the mixed vote at the last sunset review. Cornstarch is listed at §205.606, and allowed if organic supply is not sufficient, however, it appears that there is now enough organic cornstarch available in quantities. Members proceeded to a vote, and look forward to public comments.

Motion to remove cornstarch at §205.606

Motion by: CD

Seconded by: DN

Yes: 8 No: 0 Abstain: 0 Recuse: 0 Absent: 0

- **Inulin-oligofructose enriched (CD).** The lead summarized the review and noted the rulemaking history conducted by the NOP in 2017. At a previous sunset review, in 2015, the Board recommended removal, and during the proposed rule stage, NOP received public comment to

the contrary, and therefore it was not removed. The lead will complete the review, and the HS will vote on a future call.

- **Glycerin (CD).** Public comment centered around 3 different themes: 1. Reclassify it as non-synthetic; 2. Remove it, because there is a robust supply of organic; or 3. Keep the listing as is. A member added background from her experience sourcing glycerin, and added that it is not possible to test whether it's synthetic or non-synthetic. Some HS members felt this may be a good candidate for removal, if supply is adequate, and voted accordingly. The HS will seek feedback from the community.

Motion to remove glycerin at § 205.606

Motion by: CD

Seconded by: KS

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

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

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

May 6, 2025 - cancelled

May 20, 2025

June 3, 2025

L-Malic acid reclassification proposal (AJ/NL) - discuss/vote

2027 Sunset: Sodium bicarbonate (KS) - discuss/vote

2027 Sunset: Ammonium bicarbonate (DN) - discuss/vote

2027 Sunset: Ammonium carbonate (DN) - discuss/vote

June 17, 2025

2027 Sunset: Colors (AJ) - discuss/vote

July 1, 2025

Research Priorities (DN, KS, All)

2027 Sunset: Kaolin (KD) - discuss/vote

July 15, 2025

2027 Sunset: Ozone (AF) - discuss/vote

2027 Sunset: Sodium hydroxide (AF) - discuss/vote

August 5, 2025

2027 Sunset: Wood rosin (LP) - discuss/vote

2027 Sunset: Carnauba wax (LP) - discuss/vote

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (AH) - discuss/vote

August 19, 2025

2027 Sunset: Low-acyl gellan gum (KS) - discuss/vote

2027 Sunset: Orange shellac (KS) - discuss/vote

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition . Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR .	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification Proposal	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	6.3.25	Fall 2025
Research Priorities	DN, KS, All	Fall 2025 list due to MS by July 8, 2025	7.1.25	Fall 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Conta ct	TR Request?	Notes*	Scheduled /status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	7.1.25	Summary: Spr 2025 Review: Fall 2025

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Sodium bicarbonate	205.605(a)(26)	KS	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	6.3.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	8.5.25	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	6.3.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	8.19.25	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	7.15.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	7.15.25	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.5.25	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	6.17.25	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	6.17.25	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	5.20.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	5.20.25 6.3.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	8.19.25	" "

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes—(Rennet—animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin).	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta-lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12)(i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12)(ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12)(iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12)(iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	" "
Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	" "
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	" "
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	

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.

Handling Subcommittee (HS) Notes

Tuesday, April 15, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Amanda Felder (AF)

Absent: Heather Kumar (HK); Logan Petrey (LP)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM)

Agenda

- Review April 1, 2025 notes
- Prep for spring meeting/public comments
- 2028 sunsets - TR determinations
 - Animal enzymes—(Rennet—animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin) (KD)
 - Calcium sulfate -mined (AF)
 - Glucono delta-lactone (AH)
 - Potassium lactate (AH)
 - Sodium lactate (AH)
 - Tartaric acid - made from grape wine (AJ)
 - Potassium hydroxide (AF)
 - Silicon dioxide (KS)
- Additional items
- Adjourn

Discussion

- **April 1, 2025 notes** were accepted as written.
- **Prep for spring meeting/public comments**
 - The group discussed the upcoming meeting, and the various other meetings preceding the Board meeting. NOSB members were asked to send potential questions to the NOSB Chair by April 18 for transmittal to the NOP. The public comment period ends the same day as the first webinar. The Food Technologist is compiling and summarizing the written comments for the Board members to help with the compressed timeline.
 - At the NOSB meeting, the leads will summarize the substances. Brief summaries are fine.
- **2028 sunsets - TR determinations**
 - **Animal enzymes - (Rennet - animals derived; Catalase - bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin) (KD).** The lead looked at previous comments and noted discussion of alternatives, as well as ancillary ingredients. She noted that animal enzymes are widely used, as producers are using vegetarian alternatives. The HS will not request a new TR.
 - **Calcium sulfate - mined (AF).** The TAP is old and focused on tofu production. Calcium is generally accepted as needed. The HS will not request a new TR.
 - **Glucono delta-lactone (AH).** 2015 TR, although not much has changed with regard to use. Originally used in tofu production. The HS discussed fermentation products in general, as the lactate substances are also in that category. A member added that material review organizations have a process in place to analyze these substances, and a TR isn't going to illuminate new information. The HS will not request a new TR.
 - **Potassium lactate (AH).** The HS will not request a new TR.
 - **Sodium lactate (AH).** The HS will not request a new TR.
 - **Tartaric acid - made from grape wine (AJ).** The last TR was done in 2011, and the HS Chair feels it is still solid information and there isn't a need for a new one.

- **Potassium hydroxide (AF).** Allowed with an annotation. TR is from 2016 and focuses on use and prohibitions. The
- **Silicon dioxide (KS).** The last TR was done in 2010, so it's on the older side. The lead recommended a TR and if capacity does not allow, then a limited scope TR would suffice. The TR questions will be focused on alternatives. In a previous review, silicon dioxide was discussed in relation to other substances, and also flagged for a future annotation change.
- **Additional items.** Cancelled May 6 meeting.
- **The meeting was adjourned.**

Previous HS Notes

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

April 1, 2025

2028 sunsets - TR determinations

Chitosan - petition sufficiency (AH)

April 15, 2025

2028 sunsets - TR determinations

May 6, 2025 - cancelled

May 20, 2025

June 3, 2025

June 17, 2025

July 1, 2025

July 15, 2025

August 5, 2025

August 19, 2025

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL -> LP	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 2.4.25	Spr 2025
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition . Petition suff. due 05.04.25. Petition found sufficient 4.1.25. CS requested a TR.	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification disc doc	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 2.4.25	Spr 2025
Research Priorities	DN, KS, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction proposal	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	1.21.25	Summary: Spr 2025 Review: Fall 2025

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25 2.4.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	11.19.24	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	1.21.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	12.3.24 12.17.24 2.18.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	March 28, 2025	16 -20
NOP - Draft Spring 2025 NOSB meeting tentative agenda	Feb 7, 2025	~ 10
NOSB - Spring 2025 proposals due to NOP	Feb 13, 2025	~ 9
NOP - Post proposals	March 28, 2025	7.5
Public comment closes	April 28, 2025	1
NOP - Send compiled public comments to NOSB	April 29, 2025	1
Public comment webinars	Apr 22 & 24, 2025	1
Spring 2025 NOSB meeting - Virtual	Apr 29 - May 1, 2025	0
Final recommendations due	May 29, 2025	30 days post meeting

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~30 days post

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	Con tact	TR Request?	Notes*	Scheduled/ status	Target meeting
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet—animals derived; Catalase— bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin).	205.605(a)(3)	KD	N	Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25 4.15.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF	N	Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25 4.15.25	" "
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta-lactone	205.605(a)(14)	AH	N	Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25 4.15.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ	N	Sunset date: 5/29/2028 2011 TR	3.18.25 4.15.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12)(i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12)(ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12)(iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12)(iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.15.25	" "

Potassium lactate	205.605(b)(27)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	“ ”
Silicon dioxide	205.605(b)(29)	KS	Y	Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25 4.15.25	“ ”
Sodium lactate	205.605(b)(33)	AH	N	Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25 4.15.25	

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.

Handling Subcommittee (HS) Notes

Tuesday, April 1, 2025 1:00 pm ET

Present: Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Logan Petrey (LP)

Absent: Amanda Felder (AF); Jo Mirenda (JM); Allison Johnson (AJ), Chair

Staff: Michelle Arsenault (MA); Heather Kumar (HK)

Agenda

- Review March 18, 2025 notes
- 2028 sunsets - TR determinations (All)
- Chitosan - petition sufficiency (AH)
- Additional items
- Adjourn

Discussion

- **March 18, 2025 notes** were approved as written.
- **Chitosan - petition sufficiency (AH).** The lead noted that there was a 2020 TR that was a useful resource. The current petition asks for the addition of chitosan for use in winemaking, but unlike a previous chitosan petition, this version is manufactured from fermentation rather than sourced from crustaceans, which rendered it synthetic. The lead noted the petition was comprehensive and finds it sufficient. The HS would like to request a full TR to address the fermentation process. Members shared links to citations from the document for further background reading.
- **2028 sunsets - TR determinations.** The HS reviewed the 2028 sunset substances to determine the need for TRs. See table below for outcomes.
 - Agar-agar (DN). The lead indicated that he found the 2011 TR comprehensive and thorough, and didn't see the need for an updated one. The HS Vice Chair made a note in the previous review of agar agar that it may have been misclassified, and she suggested requesting a limited scope TR to look at the manufacturing process and decision tree.
 - Carrageenan (CD). The lead recommended a limited scope TR to focus on two areas – human health and classification. She indicated that there is new research on the health impacts of carrageenan and the 2011 TR noted that the extraction process renders carrageenan synthetic. The HS will forward specific questions to NOP with the request.
 - Cellulose (CD). The 2016 TR is sufficient, there was an annotation review in 2019, and no negative feedback from stakeholders at the last review, so the HS will not request a new TR.
 - Chlorine Materials: Calcium hypochlorite, chlorine dioxide, hypochlorous acid - generated from electrolyzed water, sodium hypochlorite (LP). The previous TR for chlorine materials was from 2006, and although there was a 2015 TR for the Crops scope, the HS would like to request a limited scope TR.
- **Additional items.** Reminder to join the practice webinars if able, since the comment period has been truncated and there won't be a lot of time to review comments before the meeting.
- **The meeting was adjourned.**

Previous HS Notes

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

March 18, 2025

April 1, 2025 (AF - not available)

2028 sunsets - TR determinations
Chitosan - petition sufficiency (AH)

April 15, 2025

2028 sunsets - TR determinations

May 6, 2025

May 20, 2025

June 3, 2025

June 17, 2025

July 1, 2025

July 15, 2025

August 5, 2025

August 19, 2025

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL -> LP	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 2.4.25	Spr 2025
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. 2020 TR Crops 2020 Livestock petition . Petition suff. due 05.04.25. Petition found sufficient 4.1.25, CS requested a TR.	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification disc doc	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 2.4.25	Spr 2025
Research Priorities	DN, KS, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction proposal	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	1.21.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25 2.4.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	11.19.24	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	1.21.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	12.3.24 12.17.24 2.18.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	March 28, 2025	16 -20
NOP - Draft Spring 2025 NOSB meeting tentative agenda	Feb 7, 2025	~ 10
NOSB - Spring 2025 proposals due to NOP	Feb 13, 2025	~ 9
NOP - Post proposals	March 28, 2025	7.5
Public comment closes	April 28, 2025	3.5
NOP - Send compiled public comments to NOSB	April 29, 2025	3
Public comment webinars	Apr 22 & 24, 2025	1

Spring 2025 NOSB meeting - Virtual	Apr 29 - May 1, 2025	0
Final recommendations due	May 29, 2025	30 days post meeting

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN	Y - Lmt'd Scope	Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25 4.1.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes—(Rennet—animals derived; Catalase—bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin).	205.605(a)(3)	KD		Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25	" "
Calcium sulfate - mined	205.605(a)(8)	AF		Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25	" "

Substance	National List	Con tact	TR Request?	Notes*	Scheduled/ status	Target meeting
Carrageenan	205.605(a)(9)	CD	Y - Lmt'd Scope	Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25 4.1.25	" "
Glucono delta-lactone	205.605(a)(14)	AH		Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ		Sunset date: 5/29/2028 2011 TR	3.18.25	" "
Cellulose	205.605(b)(11)	CD	N	Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25 4.1.25	" "
Chlorine Materials: Calcium hypochlorite	205.605(b)(12)(i)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Chlorine dioxide	205.605(b)(12)(ii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Hypochlorous acid - generated from electrolyzed water	205.605(b)(12)(iii)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Chlorine Materials: Sodium hypochlorite	205.605(b)(12)(iv)	LP	Y Lmt'd Scope	Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25 4.1.25	" "
Potassium hydroxide	205.605(b)(26)	AF		Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25	" "
Potassium lactate	205.605(b)(27)	AH		Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25	" "
Silicon dioxide	205.605(b)(29)	KS		Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25	" "
Sodium lactate	205.605(b)(33)	AH		Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25	

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.

Handling Subcommittee (HS) Notes

Tuesday, March 18, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Kyla Smith (KS), Vice Chair; Logan Petrey (LP)

Absent: None

Staff: Michelle Arsenault (MA); Heather Kumar (HK); Jo Mirenda (JM)

Agenda

- Review February 18, 2025 notes
- Chitosan petition - Assign lead and dates
- Food tech update
- Planning ahead for sunsets
- Additional items
- Adjourn

Discussion

- **February 18, 2025 notes** were accepted as written
- **Chitosan petition.** Chitosan was petitioned for use in winemaking. The HS Chair reviewed the process for assessing a new petition. Step 1 - determine sufficiency; Step 2 - determine need for TR; Step 3 - complete review by writing either a proposal or discussion document. Several members offered to mentor, co-lead, and/or support the new member who volunteered to lead this review. The HS scheduled petition sufficiency for April 1.
- **Food tech update.** The Food technologist provided an update on the mined substances project. She is focusing on substances on 205.605(a) and (b). Initially she identified 71 substances, and narrowed it down to 26. She then reviewed technical reports (TRs) for those 26 and compiled a table for Handling. Additionally, she is summarizing mining methods and impacts on the environment. The goal is to have an additional tool when reviewing sunsets that are mined, and having a way to compare substances.
- **Planning ahead for sunsets.** 2028 sunsets. Assigned leads for TR determinations (see table below).
- **Additional items.**
 - Reviewed work agenda tracker. Will map out discussion dates for TR reviews for the 2028 sunsets in the next couple of weeks.
 - The HS has discussed Sharepoint and other platforms, such as the Google Docs. The Board will continue to use an internal tracking sheet, outside of Sharepoint, for ease of use and access.
 - The HS Chair will assign discussion dates for the 2028 sunsets - either April 1 or 15.
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

February 4, 2025

2027 Sunset: Ammonium bicarbonate (DN). Discuss review

2027 Sunset: Ammonium carbonate (DN). Discuss review

Ethylene - Annotation change (NL). Discuss/vote

L-malic acid reclassification (AJ/NL). Discuss/vote

February 18, 2025

March 4, 2025 - cancelled

March 18, 2025

April 1, 2025 (AF - not available)

2028 sunsets - TR determinations
Chitosan - petition sufficiency (AH)

April 15, 2025

2028 sunsets - TR determinations

May 6, 2025

May 20, 2025

June 3, 2025

June 17, 2025

July 1, 2025

July 15, 2025

August 5, 2025

August 19, 2025

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL -> LP	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 2.4.25	Spr 2025
Chitosan	205.605(b)	AH, CD, KS	TBD	Petition sent to HS 3.5.25. Petition suff. due 05.04.25. 2020 TR Crops 2020 Livestock petition	3.18.25 4.1.25	TBD

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification disc doc	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 2.4.25	Spr 2025

Project	Contact	Notes*	Scheduled/ status	Target meeting
Research Priorities	DN, KS, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction proposal	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	1.21.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25 2.4.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	11.19.24	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	1.21.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	12.3.24 12.17.24 2.18.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2025	16 -20
NOP - Draft Spring 2025 NOSB meeting tentative agenda	Feb 7, 2025	~ 10
NOSB - Spring 2025 proposals due to NOP	Feb 13, 2025	~ 9
NOP - Post proposals	Mar 3, 2025	7.5
Public comment closes	Apr 2, 2025	3.5
NOP - Send compiled public comments to NOSB	Apr 5, 2025	3
Public comment webinars	Apr 22 & 24, 2025	1

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
Spring 2025 NOSB meeting - Tempe, AZ	Apr 29 - May 1, 2025	0
Final recommendations due	May 29, 2025	30 days post meeting

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~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
Agar-agar	205.605(a)(2)	DN		Sunset date: 05/29/2028 2011 TR 1995 TAP	3.18.25	Summary: Spr 2026 Review: Fall 2026
Animal enzymes— (Rennet—animals derived; Catalase— bovine liver; Animal lipase; Pancreatin; Pepsin; and Trypsin).	205.605(a)(3)	KD		Sunset date: 5/29/2028 2024 Lmt'd Scope TR (enzymes, microorganisms, yeast) 2015 TR (enzymes) 2011 TR (enzymes) 2000 TAP	3.18.25	“ “
Calcium sulfate - mined	205.605(a)(8)	AF		Sunset date: 5/29/2028 2001 TAP 1996 TAP	3.18.25	“ “

Substance	National List	Con tact	TR Request?	Notes*	Scheduled/ status	Target meeting
Carrageenan	205.605(a)(9)	CD		Sunset date: 5/29/2028 2016 Lmt'd Scope TR 2011 TR 1995 TAP	3.18.25	" "
Glucono delta-lactone	205.605(a)(14)	AH		Sunset date: 5/29/2028 2016 TR 2002 TAP	3.18.25	" "
Tartaric acid - made from grape wine	205.605(a)(28)	AJ		Sunset date: 5/29/2028 2011 TR	3.18.25	" "
Cellulose	205.605(b)(11)	CD		Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25	" "
Calcium hypochlorite	205.605(b)(12)(i)	LP		Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25	" "
Chlorine dioxide	205.605(b)(12)(ii)	LP		Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25	" "
Hypochlorous acid - generated from electrolyzed water	205.605(b)(12)(iii)	LP		Sunset date: 5/29/2028 2015 TR 2006 TR (Chlorine/Bleach)	3.18.25	" "
Sodium hypochlorite	205.605(b)(12)(iv)	LP		Sunset date: 5/29/2028 2006 TR (Chlorine/Bleach)	3.18.25	" "
Potassium hydroxide	205.605(b)(26)	AF		Sunset date: 5/29/2028 2016 TR 2001 TAP	3.18.25	" "
Potassium lactate	205.605(b)(27)	AH		Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25	" "
Silicon dioxide	205.605(b)(29)	KS		Sunset date: 5/29/2028 2010 TR 1996 TAP 1995 TAP (colloidal silica)	3.18.25	" "
Sodium lactate	205.605(b)(33)	AH		Sunset date: 5/29/2028 2015 TR (lactic acid, sodium lactate, potassium lactate)	3.18.25	

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.

Handling Subcommittee (HS) Notes

Tuesday, February 18, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH); Dilip Nandwani (DN)

Absent: Kyla Smith (KS), Vice Chair; Logan Petrey (LP); Nate Lewis (NL)

Staff: Michelle Arsenault (MA); Heather Kumar (HK); Jo Mirenda (JM)

Agenda

- Review February 4, 2025 notes
- Cornstarch TR sufficiency (CD)
- New work agenda items discussion
- Additional items
- Adjourn

Discussion

- **February 4, 2025 notes** were accepted as written.
- **Cornstarch TR sufficiency (CD).** The HS received a response to its questions from the TR writer. The answers didn't quite clarify the questions, however, the TR was found sufficient at this time, and the HS will include several questions for stakeholders in the Spring sunset review. The group discussed commercial availability, and the HS chair let members know that the CACS has submitted a work agenda request to address commercial availability.
- **New work agenda items discussion.** The HS always has a long list of sunsets to review, but since several of the proposals and other projects are coming to completion, the HS Chair invited members to suggest new work agenda items.
- **Additional items.**
 - Next round of sunsets (2028) will be sent in the spring, so HS can determine any TR needs
 - The Food Technologist will send the research on mined substances, for discussion on a future call.
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

February 4, 2025

2027 Sunset: Ammonium bicarbonate (DN). Discuss review

2027 Sunset: Ammonium carbonate (DN). Discuss review

Ethylene - Annotation change (NL). Discuss/vote

L-malic acid reclassification (AJ/NL). Discuss/vote

February 18, 2025

March 4, 2025

March 18, 2025

April 1, 2025

April 15, 2025

May 6, 2025

May 20, 2025

June 3, 2025

June 17, 2025
 July 1, 2025
 July 15, 2025
 August 5, 2025
 August 19, 2025
 September 2, 2025
 September 16, 2025
 October 7, 2025
 October 21, 2025
 November 4, 2025
 November 18, 2025
 December 2, 2025
 December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL -> LP	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 2.4.25	Spr 2025

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification proposal	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 2.4.25	Spr 2025
Research Priorities	DN, LP, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Kaolin	205.605(a)(15)	KD	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	1.21.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25 2.4.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	AH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	11.19.24	" "
Ozone	205.605(b)(21)	AF	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	1.21.25	" "
Sodium hydroxide	205.605(b)(32)	AF	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	“ “
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	“ “

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer. Response sent to HS. TR found sufficient 2.18.25	12.3.24 12.17.24 2.18.25	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2025	16 -20
NOP - Draft Spring 2025 NOSB meeting tentative agenda	Feb 7, 2025	~ 10
NOSB - Spring 2025 proposals due to NOP	Feb 13, 2025	~ 9
NOP - Post proposals	Mar 3, 2025	7.5
Public comment closes	Apr 2, 2025	3.5
NOP - Send compiled public comments to NOSB	Apr 5, 2025	3
Public comment webinars	Apr 22 & 24, 2025	1
Spring 2025 NOSB meeting - Tempe, AZ	Apr 29 - May 1, 2025	0
Final recommendations due	May 29, 2025	30 days post meeting

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~30 days post

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.

Handling Subcommittee (HS) Notes

Tuesday, February 4, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Kathryn Deschenes (KD); Carolyn Dimitri (CD); Amanda Felder (AF); Andrea Hatziyannis (AH); Dilip Nandwani (DN); Logan Petrey (LP); Nate Lewis (NL)

Absent: None

Staff: Michelle Arsenault (MA); Heather Kumar (HK)

Agenda

- Review January 21, 2025 notes
- Welcome new members!
- 2027 Sunset: Sodium bicarbonate (DN). Discuss review
- 2027 Sunset: Ammonium bicarbonate (DN). Discuss review
- 2027 Sunset: Ammonium carbonate (DN). Discuss review
- Ethylene - Annotation change (NL). Discuss/vote
- L-malic acid reclassification (AJ/NL). Discuss/vote (see attached)
- Additional items
- Adjourn

Discussion

- **January 21, 2025 notes** were accepted as written. The HS noted that the January 7 notes contain an error and rather than revise them, they chose to clarify here. The mention of the Solvay and Trona manufacturing processes was discussed under the conversation for ammonium carbonate and ammonium bicarbonate, which is not correct. These manufacturing processes apply to sodium bicarbonate.
- **Welcome new members.** Members introduced themselves and welcomed three new members to the Handling Subcommittee.
- **2027 Sunset: Ammonium carbonate and ammonium bicarbonate (DN).** With the correction to the January 7 notes, mentioned above, the HS deemed the reviews for ammonium bicarbonate and ammonium carbonate finalized and will submit them for the Spring meeting.
- **2027 Sunset: Sodium bicarbonate (DN).** The lead summarized the sunset review, and the group discussed the questions for stakeholders. Members suggested modifications to the questions, and will finalize and submit the document for the Spring meeting.
- **Ethylene - Annotation change (NL).** The lead presented the review, and discussed various aspects, such as human and environmental health. NL will transition this project to LP for presentation at the Spring meeting, as NL will rotate off the Handling Subcommittee to help manage the number of HS members. The HS moved to a vote.

Ethylene is already on the National List and classified as synthetic:

Motion amend listing of ethylene at 205.605(b)(14) Ethylene—allowed for postharvest ripening of tropical fruit, and degreening of citrus, and postharvest sprouting inhibition of potatoes and onions.

Motion by: NL

Seconded by: KS

Yes: 9 No: 0 Abstain: 0 Recuse: 0 Absent: 0

- **L-malic acid reclassification (AJ/NL).** The lead summarized the discussion document proposing to add L-malic acid to the synthetic list in addition to the current listing. The goal is to align the rule with the current practice.

Motion to accept the discussion document on the reclassification of L-malic acid.

Motion by: AJ

Seconded by: DN

Yes: 9 No: 0 Abstain: 0 Recuse: 0 Absent: 0

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

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

January 21, 2025

Research Priorities (All)

2027 Sunset: Ozone (JD). Discuss review and TR sufficiency

2027 Sunset: Kaolin (WT). Discuss review and TR sufficiency

February 4, 2025

2027 Sunset: Ammonium bicarbonate (DN). Discuss review

2027 Sunset: Ammonium carbonate (DN). Discuss review

Ethylene - Annotation change (NL). Discuss/vote

L-malic acid reclassification (AJ/NL). Discuss/vote

February 18, 2025

March 4, 2025

March 18, 2025

April 1, 2025

April 15, 2025

May 6, 2025

May 20, 2025

June 3, 2025

June 17, 2025

July 1, 2025

July 15, 2025

August 5, 2025

August 19, 2025

September 2, 2025

September 16, 2025

October 7, 2025

October 21, 2025

November 4, 2025

November 18, 2025

December 2, 2025

December 16, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL -> LP	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 2.4.25	Spr 2025

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification discussion doc	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 2.4.25	Spr 2025
Research Priorities	DN, LP, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Kaolin	205.605(a)(15)	WT	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	1.21.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25 2.4.25	" "
Waxes- nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	KH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Low-acyl gellan gum	205.605(b)(18)	KS	N	Sunset date: 12/14/2027 TR: 2018 (Gums) 2020/Fall - Rec to ADD 11/14/2022 87 FR 68021	11.19.24	" "
Ozone	205.605(b)(21)	JD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	1.21.25	" "
Sodium hydroxide	205.605(b)(32)	NL	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/ status	Target meeting
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	" "
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer.	12.3.24 12.17.24	" "
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled/status	Target meeting
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2025	16 -20
NOP - Draft Spring 2025 NOSB meeting tentative agenda	Feb 7, 2025	~ 10
NOSB - Spring 2025 proposals due to NOP	Feb 13, 2025	~ 9
NOP - Post proposals	Mar 3, 2025	7.5
Public comment closes	Apr 2, 2025	3.5
NOP - Send compiled public comments to NOSB	Apr 5, 2025	3
Public comment webinars	Apr 22 & 24, 2025	1
Spring 2025 NOSB meeting - Tempe, AZ	Apr 29 - May 1, 2025	0
Final recommendations due	May 29, 2025	30 days post meeting

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	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~30 days post

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.

Handling Subcommittee (HS) Notes

Tuesday, January 21, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Nate Lewis (NL); Wood Turner (WT); Logan Petrey (LP); Kim Huseman (KH); Dilip Nandwani (DN); Jerry D'Amore (JD); Amanda Felder (AF) – observer; Kathryn Deschenes - Observer

Absent: Carolyn Dimitri (CD)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review January 7, 2025 notes
- Recognition of outgoing members: Jerry, Kim, Wood
- Research Priorities (All) - finalize
- 2027 Sunset: Ozone (JD). Discuss review and TR sufficiency
- 2027 Sunset: Kaolin (WT). Discuss review and TR sufficiency
- Additional items
- Adjourn

Discussion

- **January 7, 2025 notes** were approved as written.
- **Recognition of outgoing members:** Farewell to Jerry, Kim, Wood! We'll miss you.
- **Research Priorities (All).** The group reviewed the Handling Research Priorities and suggested modifications. The lead made changes in real time, and will forward the document to the Materials Subcommittee for finalization and submission for the Spring 2025 meeting. The HS spoke specifically about PFAS, phthalates, plasticizers, and commercial availability.
- **2027 Sunset: Ozone (JD).** The lead summarized both the TR sufficiency and the review of ozone. The TR was found sufficient and there were no additional questions for stakeholders in the review.
- **2027 Sunset: Kaolin (WT).** The lead summarized both the TR sufficiency and review of kaolin, noting that although it is a mined substance, it is mostly benign. He highlighted two questions to stakeholders regarding use and potential heavy metals.
- **Additional items.** The sunsets that were completed by members who rotate off January 23 will be passed along to new members for presentation at the Spring meeting.
- **The meeting was adjourned.**

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

January 7, 2025

Research Priorities (All) - due to MS by 1.9.25

2027 Sunset: Sodium bicarbonate (DN). Discuss review and TR sufficiency

2027 Sunset: Ammonium bicarbonate (DN)

2027 Sunset: Ammonium carbonate (DN)

L-malic acid reclassification (AJ/NL)

Fish oil - CAS number correction (DN)

January 21, 2025

Research Priorities (All)

2027 Sunset: Ozone (JD). Discuss review and TR sufficiency

2027 Sunset: Kaolin (WT). Discuss review and TR sufficiency

February 4, 2025

2027 Sunset: Ammonium bicarbonate (DN). Discuss review
 2027 Sunset: Ammonium carbonate (DN). Discuss review
 Ethylene - Annotation change (NL). Discuss/vote
 L-malic acid reclassification (AJ/NL). Discuss/vote

February 18, 2025

March 4, 2025

March 18, 2025

April 1, 2025

April 15, 2025

Work Agenda

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

Petitioned Substances

Substance	National List	Contact	Doc Type	Notes*	Scheduled/ status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 2.4.25	Spr 2025

Other Projects

Project	Contact	Notes*	Scheduled/ status	Target meeting
L-Malic acid reclassification proposal	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 2.4.25	Spr 2025
Research Priorities	DN, LP, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Kaolin	205.605(a)(15)	WT	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Kaolin, Bentonite) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due mid Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25.	1.21.25	Summary: Spr 2025 Review: Fall 2025
Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 2.4.25	" "
Calcium phosphates (monobasic, dibasic, and tribasic)	205.605(b)(9)	KH	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2016 (Phosphates: calcium, potassium, sodium) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
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Ozone	205.605(b)(21)	JD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Feb 2025. TR sent to HS 12.18.24. Sufficiency due 2.16.25. TR found sufficient 1.21.25	1.21.25	" "
Sodium hydroxide	205.605(b)(32)	NL	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2020 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.17.24	" "
Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "

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Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	" "
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Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
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Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
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Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
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Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~30 days post

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Handling Subcommittee (HS) Notes

Tuesday, January 7, 2025 1:00 pm ET

Present: Allison Johnson (AJ), Chair; Kyla Smith (KS), Vice Chair; Carolyn Dimitri (CD); Nate Lewis (NL); Wood Turner (WT); Logan Petrey (LP); Kim Huseman (KH); Dilip Nandwani (DN); Amanda Felder (AF) - observer

Absent: Jerry D'Amore (JD)

Staff: Michelle Arsenault (MA); Jo Mirenda (JM); Heather Kumar (HK)

Agenda

- Review December 17, 2024 notes
- Research Priorities (All) - due to MS by 1.9.25
- 2027 Sunset: Sodium bicarbonate (DN). Discuss review and TR sufficiency
- 2027 Sunset: Ammonium bicarbonate (DN)
- 2027 Sunset: Ammonium carbonate (DN)
- L-malic acid reclassification (AJ/NL)
- Fish oil - CAS number correction (DN)
- Additional items
- Adjourn

Discussion

- **December 17, 2024 notes** were approved as written
- **Research Priorities (LP/DN).** Members had a brief discussion about the past research priorities, and will continue the conversation on January 21.
- **2027 Sunset: Sodium bicarbonate (DN).** The lead summarized the review and the TR, and deemed the TR sufficient. He noted it was well written and comprehensive. The HS will forward the review to the NOP for the Spring 2025 meeting, and the HS Chair will let NOP know about the TR.
- **2027 Sunset: Ammonium bicarbonate, Ammonium carbonate (DN).** The lead summarized the review, and highlighted the minor differences between ammonium bicarbonate and ammonium carbonate. He noted the TR addresses both substances. A member offered to send additional background regarding the different manufacturing processes (Trona vs. Solvay) for calcium chloride, as it has relevance here. The HS will revisit this during the next call to finalize it for the Spring 2025 meeting.
- **L-malic acid reclassification (AJ/NL).** The lead summarized the history of this project and noted that it was sent back to Subcommittee from the Fall 2024 meeting for additional work, and to allow the community to provide feedback. She noted the two manufacturing processes or pathways to make L-malic acid, and added that the intent of this document is to add L-Malic to the National List as synthetic and add an annotation about commercial availability. Members suggested changes and the lead will make the edits and present the final version at the next meeting.
- **Fish oil - CAS number correction (AJ/DN).** Based on a comment from a stakeholder regarding the CAS numbers for fish oil, the Handling Subcommittee revisited the listing, and determined that they are incorrect, and will put forth a proposal to make a technical correction.

Motion to amend the listing for fish oil to correct the CAS numbers.

Motion by: AJ

Seconded by: DN

Yes: 8 No: 0 Abstain: 0 Recuse: 0 Absent: 1

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

[Previous HS Notes](#)

Future call schedule (1st and 3rd Tuesdays 1:00 PM ET | 10:00 AM PT, except where noted).

December 17, 2024

2027 Sunset: Calcium phosphates (monobasic, dibasic, and tribasic) (KH)

2027 Sunset: Sodium hydroxide (NL)

L-malic acid reclassification (AJ/NL)

January 7, 2025

Research Priorities (All) - due to MS by 1.9.25

2027 Sunset: Sodium bicarbonate (DN). Discuss review and TR sufficiency

2027 Sunset: Ammonium bicarbonate (DN)

2027 Sunset: Ammonium carbonate (DN)

L-malic acid reclassification (AJ/NL)

Fish oil - CAS number correction (DN)

January 21, 2025

Research Priorities (All) - due to MS by 1.9.25

2027 Sunset: Ozone (JD). Discuss review and TR sufficiency

2027 Sunset: Kaolin (WT). Discuss review and TR sufficiency

2027 Sunset: Ammonium bicarbonate (DN). Complete review

2027 Sunset: Ammonium carbonate (DN). Complete review

Ethylene - Annotation change (NL). Discuss/vote

L-malic acid reclassification (AJ/NL). Discuss/vote

February 4, 2025

February 18, 2025

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April 1, 2025

April 15, 2025

Work Agenda

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Substance	National List	Contact	Doc Type	Notes*	Scheduled/status	Target meeting
Ethylene - Annotation change to expand use	205.605	NL	Proposal	Petition sent to HS 2.21.24. Petition suff. due 04.21.24. Petition found sufficient 3.19.24. HS requested a limited scope TR. TR due mid Aug 2024. TR sent to HS 8.19.24. Sufficiency due 10.18.24. TR found sufficient 9.17.24	11.19.24 1.21.25	Spr 2025

Other Projects

Project	Contact	Notes*	Scheduled/status	Target meeting
L-Malic acid reclassification proposal	AJ/NL	Work agenda request 5.13.19. Sent to NOP 7.3.19. Approved by NOP 8.6.19. 2019 TR	12.17.24 1.7.25 1.21.25	Spr 2025

Project	Contact	Notes*	Scheduled/ status	Target meeting
Research Priorities	DN, LP, All	Spring 2025 list due to MS by January 9, 2025	1.7.25 1.21.25	Spr 2025
Fish oil - CAS number correction	DN	Added to work agenda 12.3.24, based on comments from stakeholder at Fall 2024 NOSB meeting.	1.7.25	Spr 2025

2027 Sunset Review

TR Requests (May 2024), Summary (Spr 2025), Review (Fall 2025)

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
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Sodium bicarbonate	205.605(a)(26)	DN	Y - Lmt'd Scope	Sunset date: 03/15/2027 TAP: 1995 (Baking powder, aluminum-free) TAP: 1995 (Sodium carbonates) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Dec 2024. TR sent to HS 12.18.24. Sufficiency due 2.16.25. The TR was found sufficient 1.7.25.	1.7.25	" "
Waxes-nonsynthetic (wood resin)	205.605(a)(29)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 (Wood rosin) 2020/Fall - Rec to Renew Tech correction: 11/14/2022 87 FR 68021	12.3.24	" "
Ammonium bicarbonate	205.605(b)(4)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 1.21.25	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Ammonium carbonate	205.605(b)(5)	DN	Y - Lmt'd Scope (w/Ammonium bicarbonate, and Ammonium carbonate)	Sunset date: 03/15/2027 TAP: 1995 (Ammonium bicarbonate, Ammonium carbonate) TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due late Sep 2024. TR sent to HS 10.3.24. Suff due 12.2.24. TR found sufficient 11.19.24.	11.19.24 1.7.25 1.21.25	" "
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Carnauba wax	205.606(a)	LP	N	Sunset date: 03/15/2027 TAP: 1996 (Fruit waxes) TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Beet juice extract color	205.606(d)(1)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Beta-carotene extract color	205.606(d)(2)	AJ	N	Sunset date: 03/15/2027 TR: 2011 (β-Carotene) TR: 2015 (Colors) 2020/Fall - Rec to Renew 04/14/2023 88 FR 22893	9.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Black/purple carrot juice color	205.606(d)(3)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Chokeberry, aronia juice color	205.606(d)(4)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Elderberry juice color	205.606(d)(5)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Grape skin extract color	205.606(d)(6)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Purple sweet potato juice color	205.606(d)(7)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red cabbage extract color	205.606(d)(8)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Red radish extract color	205.606(d)(9)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Saffron extract color	205.606(d)(10)	AJ	N	Sunset date: 03/15/2027 TR: 2015 (Colors) 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	9.17.24	" "
Cornstarch (native)	205.606(e)	CD	Y	Sunset date: 03/15/2027 TAP: 1995 TR: NA 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699 TR due early Nov 2024. TR sent to HS 12.6.24. TR suff due 2.4.25. TR found insufficient 12.17.24. HS sent additional questions to TR writer.	12.3.24 12.17.24	" "

Substance	National List	Contact	TR Request?	Notes*	Scheduled /status	Target meeting
Glycerin	205.606(i)	CD	N	Sunset date: 03/15/2027 TAP: 1995 TR: 2013 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Inulin-oligofructose enriched	205.606(k)	CD	N	Sunset date: 03/15/2027 TR: 2015 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	12.3.24	" "
Orange shellac	205.606(n)	KS	N	Sunset date: 03/15/2027 TAP: 1999 (Waxes) TAP: 2002 TR: 2014 2020/Fall - Rec to Renew 08/03/2021 86 FR 41699	11.19.24	" "

Spring 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
NOP - Publish FRN, Open public comment	~Jan 24, 2025	16 -20
NOP - Draft Spring 2025 NOSB meeting tentative agenda	Feb 7, 2025	~ 10
NOSB - Spring 2025 proposals due to NOP	Feb 13, 2025	~ 9
NOP - Post proposals	Mar 3, 2025	7.5
Public comment closes	Apr 2, 2025	3.5
NOP - Send compiled public comments to NOSB	Apr 5, 2025	3
Public comment webinars	Apr 22 & 24, 2025	1
Spring 2025 NOSB meeting - Tempe, AZ	Apr 29 - May 1, 2025	0
Final recommendations due	May 29, 2025	30 days post meeting

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

Fall 2025 Milestones	Target dates (tentative)	Weeks PTM (prior to meeting)
Public comment webinars	Oct 28 & 30, 2025	1
Fall 2025 NOSB meeting - Omaha, NE	Nov 4 - 6, 2025	0
Final recommendations due	Nov 28, 2025	~30 days post