

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

Crops Subcommittee (CS) Notes **Tuesday December 17, 2019 2:30 pm ET**

Present: Jesse Buie (JB), Chair; Steve Ela (SE); Harriet Behar (HB); Rick Greenwood (RG), Vice Chair; Asa Bradman (AB); Emily Oakley (EO); Jerry D'Amore - observer

Absent: Dave Mortensen (DM)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- December 3 notes
- Calcium acetate petition suff/TR request due 1.13.20 (SE).
- 2022 Sunsets: Soap-based algicide/demossers (RG) - discuss/vote
- 2022 Sunsets: Lignin sulfonate (RG) - discuss/vote
- 2022 Sunsets: Soaps, insecticidal (RG) - discuss/vote
- 2022 Sunsets: Vitamin D3. As rodenticides (HB) - discuss/vote
- Additional Items
- Adjourn

Discussion

- **December 3 notes** were approved as is.
- **Calcium acetate (SE).** The group discussed the re-petition and posed some additional questions to the NOP. After a lengthy discussion, the CS determined that there is no new information from the previous submission, and therefore it does not meet the criteria for the NOSB to re-review it. The CS will communicate that via the NOP to the petitioner.
- **2022 Sunsets: Soap-based algicide/demossers (RG).** The lead summarized the substance, noting that it seems benign and there are producers using it.
- **2022 Sunsets: Lignin sulfonate (RG).** The lead summarized the review and TR, and noted that the CS is awaiting a TR for insecticidal soaps that may be informative here.
- **2022 Sunsets: Soaps, insecticidal (RG).** The lead summarized the review and will add a couple of standard questions about continued use and necessity.
- **2022 Sunsets: Vitamin D3. As rodenticides (HB).** The lead summarized the uses of vitamin D3 as a rodenticide, including international uses and ancillary substances.
- **Additional items.** HB asked for feedback regarding Biodegradable Biobased mulch film (BBMF) and Paper Pots so they can discuss them on the January 7 call. The Crops Subcommittee discussed the BBMF document and expressed their intention to glean further public comment by putting forth a discussion document at the Spring 2020 meeting.
- **The meeting was adjourned.**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

December 3, 2019

2022 Sunsets: Arsenic (JB) - discuss/vote

2022 Sunsets: Strychnine (JB) - discuss/vote

Biodegradable Biobased mulch (BBMF). Discuss report.

Calcium acetate petition - assign lead

December 17, 2019

2022 Sunsets: Soap-based algicide/demosers (RG) - discuss

2022 Sunsets: Lignin sulfonate (RG) - discuss

2022 Sunsets: Soaps, insecticidal (RG) - discuss

2022 Sunsets: Vitamin D3. As rodenticides (HB) - discuss

January 7, 2020

2022 Sunsets: Ammonium carbonate (DM) - discuss

2022 Sunsets: Aquatic plant extracts (other than hydrolyzed) (EO) - discuss

2022 Sunsets: Sodium silicate (SE) - discuss

Paper pots (HB) - Discuss/vote

January 21, 2020

2022 Sunsets: EPA List 4 -Inerts of Minimal Concern (AB/SE) - discuss/vote

February 4, 2020

Chitosan - petition sufficiency/TR request

February 18, 2020

March 3, 2020

March 17, 2020

April 7, 2020

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

July 21, 2020

August 4, 2020

August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 8.14.18. Petition suff/TR request due 10.13.18. Petition found sufficient 9.4.18. CS requested Lmt'd scope TR 3.5.19. TR due early August. TR sent to CS 7.26.19. TR	11.5.19 1.7.20	Spr 2020

			sufficiency due 9.24.19. TR found suff 8.6.19. 2017 TR Newspaper.		
Sodium carbonate lignin	RG	Proposal	Petition sent to CS 7.29.19. Petition suff/TR request due 9.27.19. Petition was found sufficient 9.17.19. Limited Scope TR requested 9.17.19/10.1.19. Revised request sent to NOP 11.5.19. Lignin sulfonate TR (2011)	11.5.19 TBD pending receipts of TR	Spr 2020
Calcium Acetate Addendum # 1	SE	Petition	Re-petition sent to CS 11.14.19. Petition suff/TR request due 1.13.20. Petition addendum sent to CS 11.19.19. Re-petition was not accepted. CS sent response to NOP 12.17.19	12.17.19	
Chitosan			Petition sent to CS 12.6.19. Petition suff/TR request due 2.4.20	2.4.20	TBD

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 5.18.18. Approved by NOP 9.13.18. TR requested 12.14.18. TR due late July. TR sent to CS 07.26.19. TR sufficiency due 9.24.19. TR was found sufficient 8.20.19.	11.5.19 11.19.19	Spr 2020
Biodegradable Biobased mulch film (BBMF) annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 8.2 16. TR sent to CS on 12.28.16. TR Suff due 2.27.17. CS found TR suff 1.3.17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University. Report sent to NOSB 10.17.19	12.3.19 1.7.20	Spr 2020
Research Priorities	DM/ All	NA	RPs due to MS 1.7.20	TBD	Fall 2020

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2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall – Rec to Renew	12.17.19	Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall – Rec to Renew	1.7.20	“
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall – Rec to Renew	12.17.19	“
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall – Rec to Renew	12.17.19	“
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall – Rec to Renew	1.7.19	“
Lignin sulfonate— chelating agent, dust suppressant	205.601	SE transferred to RG	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew	12.17.19	“
Sodium silicate (As floating agents in postharvest handling)	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew	1.7.20	“
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	1.21.20	“
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“

Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 1, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020

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

Crops Subcommittee (CS) Notes
Tuesday December 3, 2019 2:30 pm ET

Present: Jesse Buie (JB), Chair; Steve Ela (SE); Harriet Behar (HB); Rick Greenwood (RG), Vice Chair; Dave Mortensen (DM)

Absent: Asa Bradman (AB); Emily Oakley (EO)

Staff: Michelle Arsenault (MA)

Agenda

- November 19 notes
- 2022 Sunsets: Arsenic (JB) - discuss
- 2022 Sunsets: Strychnine (JB) - discuss
- Calcium Acetate petition - assign lead
- Biodegradable Biobased mulch (BBMF). Discuss report.
- Additional Items
- Adjourn

Discussion

- **November 19 notes** were accepted as is.
- **2022 Sunsets: Arsenic (JB).** The lead summarized the uses of arsenic, and noted that it is listed on 205.606, as a prohibited substance. In a previous review, the NOSB determined that it is not compliant with OFPA and should be continued to be prohibited.
- **2022 Sunsets: Strychnine (JB).** The lead summarized the uses of strychnine, and noted that it is listed on 205.606, as a prohibited substance.
- **Calcium Acetate petition.** SE volunteered to lead this review. The petition sufficiency/TR request discussion was added to the January 7 call.
- **Biodegradable biobased mulch film (BBMF) (HB).** Members discussed the cooperative agreement between USDA and Michigan State University and the subsequent report on BBMF. The group discussed the original annotation and will continue to discuss this as they develop a draft document.
- **Additional items.** None
- **The meeting was adjourned.**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

November 19, 2019

Liquid Fish discussion document discussion (EO)

December 3, 2019

2022 Sunsets: Arsenic (JB) - discuss/vote

2022 Sunsets: Strychnine (JB) - discuss/vote

Biodegradable Biobased mulch (BBMF). Discuss report.

Calcium acetate petition - assign lead

December 17, 2019

2022 Sunsets: Soap-based algicide/demossers (RG) - discuss/vote
 2022 Sunsets: Lignin sulfonate (RG) - discuss/vote
 2022 Sunsets: Soaps, insecticidal (RG) - discuss/vote
 2022 Sunsets: Ammonium carbonate (DM) - discuss/vote
 2022 Sunsets: Vitamin D3. As rodenticides (JB) - discuss/vote

January 7, 2020

2022 Sunsets: Aquatic plant extracts (other than hydrolyzed) (EO) - discuss/vote
 2022 Sunsets: Sodium silicate (SE) - discuss/vote
 Paper pots (HB)
 Calcium acetate petition suff/TR request due 1.13.20.

January 21, 2020

2022 Sunsets: EPA List 4 -Inerts of Minimal Concern (AB/SE) - discuss/vote

February 4, 2020

February 18, 2020

March 3, 2020

March 17, 2020

April 7, 2020

April 21, 2020

May 5, 2020

May 19, 2020

June 2, 2020

June 16, 2020

July 7, 2020

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August 18, 2020

September 1, 2020

September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020

December 15, 2020

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 8.14.18. Petition suff/TR request due 10.13.18. Petition found sufficient 9.4.18. CS requested Lmt'd scope TR 3.5.19. TR due early August. TR sent to CS 7.26.19. TR sufficiency due 9.24.19. TR found suff 8.6.19. 2017 TR Newspaper.	11.5.19 1.7.20	Spr 2020

Sodium carbonate lignin	RG	Proposal	Petition sent to CS 7.29.19. Petition suff/TR request due 9.27.19. Petition was found sufficient 9.17.19. Limited Scope TR requested 9.17.19/10.1.19. Revised request sent to NOP 11.5.19. Lignin sulfonate TR (2011)	11.5.19	Spr 2020
Calcium Acetate Addendum # 1	SE	Petition	Re-petition sent to CS 11.14.19. Petition suff/TR request due 1.13.20. Petition addendum sent to CS 11.19.19.	1.7.20	

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 5.18.18. Approved by NOP 9.13.18. TR requested 12.14.18. TR due late July. TR sent to CS 07.26.19. TR sufficiency due 9.24.19. TR was found sufficient 8.20.19.	11.5.19 11.19.19	Spr 2020
Biodegradable Biobased mulch annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 8.2 16. TR sent to CS on 12.28.16. TR Suff due 2.27.17. CS found TR suff 1.3.17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University. Report sent to NOSB 10.17.19	12.3.19	Spr 2020
Research Priorities	DM/ All	NA	RPs due to MS Jul 2020	TBD	Fall 2020

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2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall – Rec to Renew	12.17.19	Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall – Rec to Renew	12.17.19	“
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall – Rec to Renew	12.17.19	“
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall – Rec to Renew	12.17.19	“
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall – Rec to Renew	1.7.19	“
Lignin sulfonate— chelating agent, dust suppressant	205.601	SE transferred to RG	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew	12.17.19	“
Sodium silicate (As floating agents in postharvest handling)	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew	1.7.19	“
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	1.21.19	“
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“

Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 1, 2019
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Crops Subcommittee (CS) Notes Tuesday November 19, 2019 2:30 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Dave Mortensen (DM); Asa Bradman (AB)

Absent: Dan Seitz (DS); Michelle Arsenault (MA)

Staff: Devon Pattillo (DP)

Agenda

- November 5 notes
- Liquid Fish discussion document discussion (EO)
- Additional Items
- Adjourn

Discussion

- **November 5 notes** were accepted without change.
- **Updates.** SE noted he would take over the sunset review for sodium silicate, as DS rotates off the Subcommittee. JB will start leading the Crops Subcommittee starting with the next call.
- **Liquid Fish Discussion Document.** The lead (EO) and members discussed the updated discussion document, including questions to pose in the document and information presented in the technical report. One member suggested limiting the number of questions in the document, with others in agreement. Members discussed how to proceed considering the TR did not find fish are harvested exclusively for production of fertilizer. Members continue to seek information about whether wild, native fish stocks are at any risk because of fishing pressure for fertilizer production. Members discussed the broader issue of contamination in inputs and related issues.

Motion to accept the liquid fish discussion document

Motion by: EO

Seconded by: HB

Additional discussion: None

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

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

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

November 5, 2019

Liquid fish discussion document (EO)

November 19, 2019

Liquid Fish discussion document discussion (EO)

December 3, 2019

2022 Sunsets: Arsenic (JB) - discuss/vote

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Biodegradable Biobased mulch (BBMF). Discuss report.

Calcium Acetate petition - assign lead

December 17, 2019

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January 7, 2020

2022 Sunsets: Aquatic plant extracts (other than hydrolyzed) (EO) - discuss/vote

2022 Sunsets: Sodium silicate (SE) - discuss/vote

Paper pots (HB)

January 21, 2020

2022 Sunsets: EPA List 4 -Inerts of Minimal Concern (AB/SE) - discuss/vote

February 4, 2020

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			2017 TR Newspaper.		
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Calcium Acetate			Re-petition sent to CS 11.14.19. Petition suff/TR request due 1.13.20.		

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Lignin sulfonate— chelating agent, dust suppressant	205.601	SE transferred to RG	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew	12.17.19	“
Sodium silicate (As floating agents in postharvest handling)	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew	1.7.19	“
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	1.21.19	“
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“
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Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 1, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
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Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Dan Seitz (DS); Asa Bradman (AB); Emily Oakley (EO); Dave Mortensen (DM)

Absent: None

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- October 1 notes
- Sodium carbonate lignin TR request
- Discuss liquid fish discussion document
- Assign discussion dates for Spring 2020 work agenda items
- Fall NOSB meeting debrief
- Additional Items
- Adjourn

Discussion

- **October 1 notes** accepted as is
- **Sodium carbonate lignin TR request.** The CS previously discussed a TR request, and agreed to formally forward the request to the NOP.
- **Discussion dates for Spring 2020 work agenda items.** See table and lists below.
- **Fall 2020 meeting debrief.**
 - Several members spoke with stakeholders as well as the petitioner of paper pots at the Fall 2019 NOSB meeting. NOP suggested the members revisit the report on biodegradable biobased mulch film (BBMF) as they move forward with the review.
 - A member offered feedback that the meeting went well, and discussions were very thoughtful. The group considered various ways in which to promote more discussion ahead of time especially for items that may be more contentious. The former NOSB Chair reminded members that substantive conversation is supposed to occur in front of the public, and they are somewhat limited to what they can discuss beforehand. Another member suggested a change to the procedures for how the sunsets are voted on at the meeting, particularly since most of the substances satisfy the OFPA criteria and have received a unanimous vote in Subcommittee. Rather than voting on each substance individually he proposed using a consent calendar, which is often used by governmental groups and others. The consent calendar would contain a list of items that are agreed upon (i.e. have a consensus vote) and the Board could vote on those items en masse. Members would be allowed to remove items from the consent calendar if they felt additional discussion was needed. Another member suggested eliminating the lengthy verbal summaries and instead provided a summary of the public comment and then moving to a vote, since the written summaries were already provided to the public and NOSB members ahead of time.
- **Liquid fish discussion document.** The lead has had several conversations with stakeholders and is awaiting additional feedback. At this time, the CS is considering putting forth a discussion document for the Spring 2020 meeting to solicit more feedback to determine next steps. The CS will discuss this document on the next call.

- **Additional Items.**
 - Research priorities. At the fall meeting the entire NOSB discussed the comments it received on the research priorities. In an effort to capture those comments, the MS will incorporate them into the document and re-post for additional feedback for the Spring 2020 meeting. The Materials Subcommittee will discuss this more on the November 19 Executive call.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

October 15, 2019 - Call cancelled comment webinar

November 5, 2019

Liquid fish discussion document (EO)

November 19, 2019

Liquid Fish discussion document discussion (EO)

December 3, 2019

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Biodegradable Biobased mulch (BBMF). Discuss report.

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2022 Sunsets: Soaps, insecticidal (RG) - discuss/vote

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2022 Sunsets: Vitamin D3. As rodenticides (JB) - discuss/vote

January 7, 2020

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2022 Sunsets: Sodium silicate (DS) - discuss/vote

Paper pots (HB)

January 21, 2020

2022 Sunsets: EPA List 4 -Inerts of Minimal Concern (AB/SE) - discuss/vote

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September 15, 2020

October 6, 2020

October 20, 2020

November 3, 2020

November 17, 2020

December 1, 2020
December 15, 2020

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 8.14.18. Petition suff/TR request due 10.13.18. Petition found sufficient 9.4.18. CS requested Lmt'd scope TR 3.5.19. TR due early August. TR sent to CS 7.26.19. TR sufficiency due 9.24.19. TR found suff 8.6.19. 2017 TR Newspaper.	11.5.19	Spr 2020
Sodium carbonate lignin	RG	Proposal	Petition sent to CS 7.29.19. Petition suff/TR request due 9.27.19. Petition was found sufficient 9.17.19. Limited Scope TR requested 9.17.19/10.1.19. Revised request sent to NOP 11.5.19. Lignin sulfonate TR (2011)	11.5.19	Spr 2020

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 5.18.18. Approved by NOP 9.13.18. TR requested 12.14.18. TR due late July. TR sent to CS 07.26.19. TR sufficiency due 9.24.19. TR was found sufficient 8.20.19.	11.5.19 11.19.19	Spr 2020
Biodegradable Biobased mulch annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 8.2 16. TR sent to CS on 12.28.16. TR Suff due 2.27.17. CS found TR suff 1.3.17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University. Report sent to NOSB 10.17.19	12.3.19	Spr 2020

Research Priorities	DM/ All	NA	RPs due to MS Jul 2020	TBD	Fall 2020
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* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall – Rec to Renew	12.17.19	Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall – Rec to Renew	12.17.19	“
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall – Rec to Renew	12.17.19	“
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall – Rec to Renew	12.17.19	“
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall – Rec to Renew	1.7.19	“
Lignin sulfonate— chelating agent, dust suppressant	205.601	SE transferred to RG	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew	12.17.19	“
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew	1.7.19	“
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	1.21.19	“
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew	12.3.19	“

Spring 2020 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 1, 2019
NOSB - Spring 2020 proposals due to NOP	Feb 20, 2020
New NOSB member training	Feb 25 - 26, 2020
NOP - Draft Spring 2020 NOSB meeting tentative agenda	Mar 2, 2020
NOP - Post proposals	Mar 5, 2020
Public comment closes	Apr 3, 2020
NOP - Send compiled public comments to NOSB	Apr 7, 2020
Public comment webinars	Apr 21 & 23, 2020
Spring 2020 NOSB meeting - Crystal City, VA	Apr 28 - May 1, 2020

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

Crops Subcommittee (CS) Notes
Tuesday October 1, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Dan Seitz (DS); Asa Bradman (AB); Emily Oakley (EO); Dave Mortensen (DM)

Absent: None

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- September 17 notes
- Sodium carbonate lignin - Discuss TR questions
- Additional Items
- Adjourn

Discussion

- **September 17 notes** were accepted as is.
- **Sodium carbonate lignin.** Several members contributed to the questions for the technical report and the group discussed them. Members discussed the possibility that sodium carbonate lignin could be used as a chelating agent. The lead will work with NOP to reword some of the questions for the TR request and finalize them by the end of the week.
- **Additional items.**
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

September 17, 2019

Sodium carbonate lignin petition. Petition sufficiency/TR request

October 1, 2019

Sodium carbonate lignin - Discuss TR questions

October 15, 2019 - Call cancelled comment webinar

November 5, 2019

Liquid fish discussion document

November 19, 2019

December 3, 2019

December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Discussion doc	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. TR sent to CS 07 26 19. TR sufficiency due 09 24 19. TR found suff 08 06 2019. 2017 TR Newspaper.	08 06 19 08 13 19	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19 08 06 19	Fall 2019
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition found sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019
Sodium carbonate lignin	RG	Proposal	Petition sent to CS 07 29 19. Petition suff/TR request due 09 27 19. Petition was found sufficient 09 17 19. Limited Scope TR requested 09 17 19/10 01 19. Lignin sulfonate TR (2011)	08 20 19 09 17 19 10 01 19	Spr 2020

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July. TR sent to CS 07 26 19. TR sufficiency due 09 24 2019. TR was found sufficient 08 20 19.	08 06 19 08 20 19 09 17 19 11 05 19	Spr 2020

Biodegradable Biobased mulch annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Spr 2020
Research Priorities	DM/ All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19 07 16 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	08 06 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes
Tuesday September 17, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Dan Seitz (DS); Asa Bradman (AB); Emily Oakley (EO)

Absent: Dave Mortensen (DM)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- August 20 notes
- Sodium carbonate lignin petition. Petition sufficiency/TR request
- Liquid fish discussion document (EO)
- Additional Items
- Adjourn

Discussion

- **August 20 notes** were approved with no changes
- **Sodium carbonate lignin petition.** The lead summarized the petition, including the uses and history of sodium carbonate lignin. The petition was found sufficient. Members discussed the similarity to lignin sulfonate and whether or not the 2011 lignin sulfonate TR is comprehensive enough and adequate or if they should request a new TR. Upon further discussion, the group chose to request a limited scope TR. The CS will discuss questions for the TR request on the next call.
- **Liquid fish discussion document (EO).** The lead summarized the discussion document and the group discussed the questions that were posed for public comment. The CS will discuss further after the Fall NOSB meeting.
- **Additional items.** None.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

August 20, 2019

Paper pots - TR sufficiency

Sodium carbonate lignin petition - assign lead

Liquid fish annotation (EO) - discuss TR sufficiency

September 3, 2019 - cancelled

September 17, 2019

Sodium carbonate lignin petition. Petition sufficiency/TR request

October 1, 2019

Sodium carbonate lignin - Discuss TR questions

October 15, 2019 - Comment webinar

November 5, 2019

Liquid fish discussion document

November 19, 2019

December 3, 2019
December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Discussion doc	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. TR sent to CS 07 26 19. TR sufficiency due 09 24 19. TR found suff 08 06 2019. 2017 TR Newspaper.	08 06 19 08 13 19	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19 08 06 19	Fall 2019
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition found sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019
Sodium carbonate lignin	RG	Proposal	Petition sent to CS 07 29 19. Petition suff/TR request due 09 27 19. Petition was found sufficient 09 17 19. Limited Scope TR requested 09 17 19/10 01 19. Lignin sulfonate TR (2011)	08 20 19 09 17 19 10 01 19	TBD

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July. TR sent to CS 07 26 19. TR sufficiency due 09 24 2019. TR was found sufficient 08 20 19.	08 06 19 08 20 19 09 17 19 11 05 19	Spr 2020

Biodegradable Biobased mulch annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Spr 2020
Research Priorities	DM/ All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19 07 16 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	08 06 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes
Tuesday August 20, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Dan Seitz (DS); Dave Mortensen (DM); Asa Bradman (AB); Emily Oakley (EO)

Absent: None

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- August 6 notes
- August 13 notes
- Paper pots - discuss Fall 2019 discussion document
- Sodium carbonate lignin petition - assign lead
- Liquid fish annotation (EO) - discuss TR sufficiency
- Additional Items
- Adjourn

Discussion

- **August 6 notes** were accepted as is.
- **August 13 notes** were accepted as is.
- **Paper pots**
 - Members discussed the discussion document on paper pots. The Board is seeking additional information about synthetic fibers and adhesives.
- **Sodium carbonate lignin petition.** The NOP highlighted a slightly similar National List listing for sodium lignin sulfonate. Rick Greenwood volunteered to lead this review and will complete petition sufficiency and determine the need for a TR on the September 17 call.
- **Liquid fish annotation (EO).** The lead summarized the TR and the CS found it sufficient. Members discussed previous public comments that conflicted with information in the TR regarding fish harvest. The TR writer confirmed that the information regarding fish harvest contained in the TR was correct. The lead will write a discussion document for the Spring 2020 meeting to solicit additional comment.
- **Additional items.** The CS cancelled the September 3 call.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

August 13, 2019 - Additional call

Paper pots (HB) - discuss proposal/vote

August 20, 2019

Paper pots - TR sufficiency

Sodium carbonate lignin petition - assign lead

Liquid fish annotation (EO) - discuss TR sufficiency
 September 3, 2019 - cancelled
 September 17, 2019
 Sodium carbonate lignin petition. Petition sufficiency/TR request
 October 1, 2019
 October 15, 2019
 November 5, 2019
 November 19, 2019
 December 3, 2019
 December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed/ Voted	Target meeting
Paper pots	HB	Discussion doc	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. TR sent to CS 07 26 19. TR sufficiency due 09 24 19. TR found suff 08 06 2019. 2017 TR Newspaper.	08 06 19 08 13 19	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19 08 06 19	Fall 2019
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition found sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019
Sodium carbonate lignin	RG	Proposal	Petition sent to CS 07 29 19. Petition suff/TR request due 09 27 19.	08 20 19 09 17 19	TBD

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting

Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July. TR sent to CS 07 26 19. TR sufficiency due 09 24 2019. TR was found sufficient 08 20 19.	08 06 19 08 20 19	Spr 2020
Biodegradable Biobased mulch annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Spr 2020
Research Priorities	DM/ All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19 07 16 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	08 06 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes
Tuesday August 13, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Harriet Behar (HB); Rick Greenwood (RG); Dan Seitz (DS); Dave Mortensen (DM); Asa Bradman (AB); Emily Oakley (EO)

Absent: Jesse Buie (JB), Vice Chair

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- Paper pots (HB) - discuss discussion document/vote
- Adjourn

Discussion

- **Paper pots (HB).** The lead relayed information from several stakeholders regarding synthetic fibers. The group also discussed feedback from the NOP about the guiding principles when establishing requirements, as described in Executive Order 12866 (see Section 1 (b)(8)): "...to establish performance objectives rather than prescribing the manner of compliance (i.e., the performance goal vs. how a product needs to be formulated)." Members had a robust discussion about plastic in general and based on the conversation will make some additional modifications and vote via email.

Motion to accept the petitioned material discussion document on Paper (Plant Pots and Other Crop Production Aids)

Motion by: Harriet Behar

Seconded by: Steve Ela

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

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

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

August 6, 2019

Hydrogen Chloride - Potassium hypochlorite (AB) - discuss proposal/vote

Liquid fish annotation (EO) - discuss TR sufficiency

August 13, 2019 - Additional call

Paper pots (HB) - discuss proposal/vote

August 20, 2019

Approve notes of August 6 & August 13, 2019

Paper pots - TR sufficiency

Sodium carbonate lignin petition - assign lead

Liquid fish annotation (EO) - discuss TR sufficiency

September 3, 2019

September 17, 2019
 October 1, 2019
 October 15, 2019
 November 5, 2019
 November 19, 2019
 December 3, 2019
 December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Discussion doc	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. TR sent to CS 07 26 19. TR sufficiency due 09 24 19. 2017 TR Newspaper.	08 06 19 08 13 19	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19 08 06 19	Fall 2019
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition found sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019
Sodium carbonate lignin		Proposal	Petition sent to CS 07 29 19. Petition suff/TR request due 09 27 19.	08 20 19	TBD

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July. TR sent to CS 07 26 19. TR sufficiency due 09 24 2019.	08 06 19 08 20 19	Spr 2020

Biodegradable Biobased mulch annotation change	HB/ AB	Discussion document	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Spr 2020
Research Priorities	DM/ All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19 07 16 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	08 06 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes
Tuesday August 6, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Dan Seitz (DS); Dave Mortensen (DM)

Absent: Asa Bradman (AB)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- July 16 notes
- 2021 Sunsets: Hydrogen chloride (SE) - discuss/vote
- Potassium hypochlorite (SE) - discuss proposal/vote
- Liquid fish annotation (EO) - discuss TR sufficiency
- Paper pots (HB) - discuss proposal/vote
- Adjourn

Discussion

- **The July 16 notes** were accepted with minor revisions.
- **2021 Sunsets: Hydrogen chloride (SE).** The CS discussed the review and proceeded to a vote.

Motion to remove hydrogen chloride from the National List at §205.601

Motion by: SE

Seconded by: HB

Additional discussion: None

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

- **Potassium hypochlorite (SE).** The CS discussed the proposal and proceeded to a vote.

Motion to classify potassium hypochlorite as synthetic

Motion by: SE

Seconded by: DS

Additional discussion: None

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

Motion to add potassium hypochlorite at §205.601

Motion by: SE

Seconded by: RG

Additional discussion: None

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

- **Liquid fish annotation (EO).** The Crops Subcommittee discussed the TR, and the lead noted that the TR contradicts a previous statement about the use of liquid fish for use in fertilizer. Another member added that they also found information that conflicts with the TR indicating that fish might

be harvested for use as fertilizer. The NOP will reach out to the TR contractor to clarify, and the CS will defer the sufficiency approval to a future call.

- **Paper pots (HB).** The lead summarized the information from the TR and the CS found it sufficient. Members discussed the petition and draft proposal, specifically the language regarding the synthetic content of paper. The CS will schedule an extra call before the proposal submission deadline to complete the voting.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

July 16, 2019

- Potassium hypochlorite (AB) - discuss proposal/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote

August 6, 2019

- Hydrogen Chloride - Potassium hypochlorite (AB). Discuss proposal/vote
- Liquid fish annotation (EO). Discuss TR sufficiency
- Paper pots (HB). Discuss proposal/vote

August 20, 2019

- Sodium carbonate lignin petition - assign lead

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019

November 19, 2019

December 3, 2019

December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. TR sent to CS 07 26 19. TR sufficiency due 09 24 19. TR found sufficient 08 06 19. 2017 TR Newspaper.	08 06 19	Fall 2019

Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19 08 06 19	Fall 2019
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition found sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019
Sodium carbonate lignin			Petition sent to CS 07 29 19. Petition suff/TR request due 09 27 19.	08 20 19	TBD

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July. TR sent to CS 07 26 19. TR sufficiency due 09 24 2019.	08 06 19	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Fall 2019
Research Priorities	DM/ All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19 07 16 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	08 06 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/ SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
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Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Crops Subcommittee (CS) Notes **Tuesday July 16, 2019 2:00 pm ET**

Present: Steve Ela, Chair (SE); Jesse Buie (JB), Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Asa Bradman (AB); Dave Mortensen (DM)

Absent: Dan Seitz (DS)

Staff: Michelle Arsenault (MA)

Agenda

- July 2 notes
- Research priorities
- Potassium hypochlorite (AB) - discuss proposal/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote
- Adjourn

Discussion

- **The July 2 notes** were accepted as is
- **Research priorities (RPs).** Crops completed their RPs on barriers to producing organic nursery stock and sent them forward for incorporation into the final document for the Materials Subcommittee.
- **Potassium hypochlorite (AB).** The lead summarized the proposal for potassium hypochlorite noting that it is similar to other chlorine materials on the list. It is registered by EPA and is FDA approved for many agricultural uses. The lead noted the lengthy motion which was included so there is no question as to what the NOSB is approving. The goal is to clarify the use for pre- and post-harvest irrigation water and water used for post-harvest processing. The revised draft proposal will be recirculated for the next call.
- **Fatty Alcohols - re-petition (JB).** The lead summarized the first review of fatty alcohols and the previous justification for why the NOSB voted to not add it to the National List. The new petition was revised to specify the uses as a crop production aid only. The group discussed the draft proposal and the minority opinion, and proceeded to a vote.

Motion to classify fatty alcohols as synthetic

Motion by: JB

Seconded by: HB

Additional discussion: None

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

Motion to add fatty alcohols at §205.601

Motion by: JB

Seconded by: RG

Additional discussion: None

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

- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

July 2, 2019

- Research Priorities (ALL) - discuss/vote
- 2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
- 2021 Sunsets: Hydrogen chloride (AB) - discuss/vote
- 2021 Sunsets: Sodium fluoaluminatate (DS) - discuss/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote

July 16, 2019

- Potassium hypochlorite (AB) - discuss proposal/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote

August 6, 2019

- Potassium hypochlorite (AB) - discuss proposal/vote
- Liquid fish annotation (EO) - discuss TR sufficiency
- Paper pots (HB) - discuss proposal/vote

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

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Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition fund sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019

Other Topics

Project	Con- tact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July	08 06 19	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Fall 2019
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2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

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2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
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Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
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Fall 2019 Milestones	Target dates (tentative)
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Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Crops Subcommittee (CS) Notes
Tuesday July 2, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Asa Bradman (AB); Dave Mortensen (DM); Jesse Buie (JB); Dan Seitz (DS)

Absent: None

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- June 18 notes
- Research Priorities (ALL) - discuss/vote
- 2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
- 2021 Sunsets: Hydrogen chloride (AB) - discuss/vote
- 2021 Sunsets: Sodium fluoaluminatate (DS) - discuss/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote
- Adjourn

Discussion

- **The June 18 notes** were accepted as is.
- **Research Priorities (ALL).** Members discussed the current status of the Crops research priorities (RPs) and will finalize the list this week. The CS will send the final document to the MS the following week (July 12).
- **2021 Sunsets: Hydrogen peroxide (JB).** The lead summarized the background and uses of hydrogen peroxide and the CS moved to votes on the two listings separately.

Motion to remove Hydrogen peroxide at §205.601(a)

Motion by: JB

Seconded by: HB

Additional discussion: None

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

Motion to remove Hydrogen peroxide at §205.601(i)

Motion by: JB

Seconded by: HB

Additional discussion: None

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

- **2021 Sunsets: Hydrogen chloride (AB).** The lead summarized the use and the previous public comments for hydrogen chloride. Commenters discussed the essentiality of hydrogen chloride for processing organic cotton. The lead suggested that this might be a good research priority topic and will do some additional research for discussion on the next CS call. The vote was deferred.

- **2021 Sunsets: Sodium fluoaluminate (DS).** The lead summarized the uses of sodium fluoaluminate, which is used widely on a number of crops as a pesticide. It has been prohibited in organic agriculture since 1996. The few comments the CS received all supported continued prohibition.

Motion to remove sodium fluoaluminate at §205.602

Motion by: DS

Seconded by: JB

Additional discussion: None

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

- **Fatty Alcohols - re-petition (JB).** Members had a lengthy discussion about the re-petition for fatty alcohols, including the narrowed scope for use only on organic tobacco, worker health, supporting organic agricultural systems and economic considerations. Several Subcommittee members do not support tobacco production or use. A member will write a minority opinion and circulate the draft to the other members before the next call. The Subcommittee members will continue to discuss this and will vote on the proposal on a future call.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

June 18, 2019

2021 Sunsets: Ferric phosphate (DM) - discuss/vote

2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote

2021 Sunsets: Pheromones (SE) - discuss/vote

2021 Sunsets: Ash from manure burning (HB) - discuss/vote

2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote

Research Priorities (ALL) - discuss/vote

Fatty Alcohols - re-petition (JB) - discuss proposal/vote

July 2, 2019

Research Priorities (ALL) - discuss/vote

2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote

2021 Sunsets: Hydrogen chloride (AB) - discuss/vote

2021 Sunsets: Sodium fluoaluminate (DS) - discuss/vote

Fatty Alcohols - re-petition (JB) - discuss proposal/vote

July 16, 2019

Potassium hypochlorite (AB) - discuss proposal/vote

Fatty Alcohols - re-petition (JB) - discuss proposal/vote

August 6, 2019

Liquid fish annotation (EO) - discuss TR sufficiency

Paper pots (HB) - discuss proposal/vote

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019

November 19, 2019

December 3, 2019
December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. 2017 TR Newspaper.	08 06 19	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19	TBD
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition fund sufficient 04 02 19.	07 02 19 07 16 19	Fall 2019

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July	08 06 19	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Fall 2019
Research Priorities	DM/ All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmtd Scope TR 2016 NOSB Recommendation	07 02 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets						
TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020						
Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes
Tuesday June 18, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Asa Bradman (AB); Dave Mortensen (DM); Jesse Buie (JB); Dan Seitz (DS)

Absent: None

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- June 4 notes
- Research Priorities (ALL) - discuss
- 2021 Sunsets: Ferric phosphate (DM) - discuss/vote
- 2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote
- 2021 Sunsets: Pheromones (SE) - discuss/vote
- 2021 Sunsets: Ash from manure burning (HB) - discuss/vote
- 2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote
- Adjourn

Discussion

- **The June 4 notes** were accepted as is
- **Research Priorities (ALL).** The group discussed the nine (9) Research Priorities for Crops and chose ones they would like to retain and some that could be removed. A member felt that the list was too long and needed to be shortened. Additionally, she suggested adding one on nutrients and cover crops. The group made some modifications to the list and will recirculate the draft for the next Crops call.
- **2021 Sunsets: Ferric phosphate (DM).** The lead summarized the uses of ferric phosphate, a molluscicide, noting it is widely used and found to be essential. It is a pelleted form manufactured with the chelating agent EDTA. The group discussed previous comments and technical information. With the exception of one previous commenter, all supported relisting. One commenter indicated it should be reviewed as a formulation and not separate from its chelating agent. The lead added that it was rigorously reviewed and debated by a previous Board, and there is no new information indicating it's problematic. However, the CS is interested in comments and answers to several questions that are included in the review.

Motion to remove ferric phosphate from the National List at §205.605

Motion by: DM

Seconded by: HB

Additional discussion: None

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

- **2021 Sunsets: Oils, horticultural (Narrow range oils) (SE).** The lead summarized the uses and previous public comments. There was widespread support for relisting horticultural oils. The CS

voted on the two listings separately.

Motion to remove Oils, horticultural (Narrow range oils) from the NL at §205.601(e)

Motion by: SE

Seconded by: DM

Additional discussion: None

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

Motion to remove Oils, horticultural (Narrow range oils) from the NL at § 205.601(i)

Motion by: SE

Seconded by: HB

Additional discussion: None

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

- **2021 Sunsets: Pheromones (SE).** The lead summarized the uses and previous public comments, noting that there was widespread support for renewing the listing.

Motion to remove pheromones from the National List at §205.601

Motion by: SE

Seconded by: DM

Additional discussion: None

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

- **2021 Sunsets: Ash from manure burning (HB).** The lead summarized the substance and indicated that after the Spring NOSB meeting the Board received a comment about biochar.

Motion to remove ash from manure burning at §205.602

Motion by: HB

Seconded by: JB

Additional discussion: None

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

- **2021 Sunsets: Hydrogen peroxide (JB).** Deferred to next call due to time
- **Fatty Alcohols - re-petition (JB).** Deferred to next call due to time
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

June 4, 2019

Guest Ramani Narayan to join 20 minutes after the hour

2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote

2021 Sunsets: Pheromones (SE) - discuss/vote

2021 Sunsets: Ash from manure burning (HB) - discuss/vote

Potassium hypochlorite (AB). Petition suff/TR request

2022 Sunset: Micronutrients - Soluble boron products - assign lead

2022 Sunset: Micronutrients - Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt - assign lead

Fatty Alcohols - re-petition (JB) - discuss proposal/vote

June 18, 2019

- 2021 Sunsets: Ferric phosphate (DM) - discuss/vote
- 2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote
- 2021 Sunsets: Pheromones (SE) - discuss/vote
- 2021 Sunsets: Ash from manure burning (HB) - discuss/vote
- 2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
- Research Priorities (ALL) - discuss/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote

July 2, 2019

- Research Priorities (ALL) - discuss/vote
- 2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
- 2021 Sunsets: Hydrogen chloride (AB) - discuss/vote
- 2021 Sunsets: Sodium fluoaluminate (DS) - discuss/vote
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote

July 16, 2019

- Potassium hypochlorite (AB). Discuss proposal/vote

August 6, 2019

- Liquid fish annotation (EO) - discuss TR sufficiency
- Paper pots (HB) - discuss proposal/vote

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019

November 19, 2019

December 3, 2019

December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. 2017 TR Newspaper.	08 06 19	Fall 2019

Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19. Petition found sufficient 06 04 19. No TR requested.	06 04 19 07 16 19	TBD
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition fund sufficient 04 02 19.	07 02 19	Fall 2019

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July	08 06	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP based on the report from the cooperative agreement with Michigan State University.	TBD	Fall 2019
Research Priorities	All	NA	RPs due to MS Jul 2019	06 18 19 07 02 19	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	07 02 19	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18 19	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18 19	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21 19	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21 19	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	07 02	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes **Tuesday June 4, 2019 2:00 pm ET**

Present: Steve Ela, Chair (SE); Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Asa Bradman (AB); Dave Mortensen (DM); Jesse Buie (JB)

Guest Speaker: Dr. Ramani Narayan, MSU University Distinguished Professor, Michigan State University - biodegradable biobased mulch film

Absent: Dan Seitz (DS)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- May 21 notes
- Potassium hypochlorite (AB). Petition suff/TR request
- TR requests for 2020 cycle sunsets (please review the ones you signed up for)
- Guest Ramani Narayan to join 20 minutes after the hour
- 2021 Sunsets: Ferric phosphate (DM) - discuss/vote
- 2021 Sunsets: Ash from manure burning (HB) - discuss/vote
- 2022 Sunset: Micronutrients - Soluble boron products - assign lead
- 2022 Sunset: Micronutrients - Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt - assign lead
- Fatty Alcohols - re-petition (JB) - discuss proposal/vote
- Adjourn

Discussion

- **The May 21 notes** were approved as is.
- **Potassium hypochlorite (AB).** The petition was found sufficient and no TR will be requested. The members feel that they have adequate information to proceed with a proposal.
- **TR requests for 2020 cycle sunsets.** Members discussed the need for TRs and will revisit some of these on the next call. See table below.
- **Guest Ramani Narayan.** Dr. Narayan was a guest speaker at the Seattle NOSB meeting and has entered into a cooperative agreement with the NOP to provide a report on biodegradable biobased mulch film. He joined the Crops call to discuss follow up questions from the Subcommittee, and will send his answers in writing after the call.
- **2021 Sunsets: Ferric phosphate (DM).** Deferred to next call
- **2021 Sunsets: Ash from manure burning (HB).** Deferred to next call
- **2022 Sunset: Micronutrients - Soluble boron products.** Deferred to next call
- **2022 Sunset: Micronutrients - Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.** Deferred to next call
- **Fatty Alcohols - re-petition (JB).** Deferred to next call
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

May 21, 2019

Potassium hypochlorite (AB) - petition suff/TR request
2021 Sunsets: Soaps, ammonium (RG) - discuss/vote
2021 Sunsets: Potassium bicarbonate (EO) - discuss/vote
2021 Sunsets: Magnesium sulfate (EO) - discuss/vote

June 4, 2019

Guest Ramani Narayan to join 20 minutes after the hour
2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote
2021 Sunsets: Pheromones (SE) - discuss/vote
2021 Sunsets: Ash from manure burning (HB) - discuss/vote
Potassium hypochlorite (AB). Petition suff/TR request
2022 Sunset: Micronutrients - Soluble boron products - assign lead
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Fatty Alcohols - re-petition (JB) - discuss proposal/vote

June 18, 2019

2021 Sunsets: Ferric phosphate (DM) - discuss/vote
2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote
2021 Sunsets: Pheromones (SE) - discuss/vote
2021 Sunsets: Ash from manure burning (HB) - discuss/vote
2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
Research Priorities (ALL) - discuss/vote
Fatty Alcohols - re-petition (JB) - discuss proposal/vote

July 2, 2019

2021 Sunsets: Hydrogen chloride (AB) - discuss/vote
2021 Sunsets: Sodium fluoaluminate (DS) - discuss/vote

July 16, 2019

Potassium hypochlorite (AB). Discuss proposal/vote

August 6, 2019

Liquid fish annotation (EO) - discuss TR sufficiency
Paper pots (HB) - discuss proposal/vote

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

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November 19, 2019

December 3, 2019

December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
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Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
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Research Priorities	All	NA	RPs due to MS Jul 2019	06 18	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	06 18	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 18	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 18	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 18	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	07 02	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 18	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG	N	Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG	Y	Sunset date: 3/15/2022 2004 TAP 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB	N	Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO	N	Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE	N	Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS	N	Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Micronutrients—Soluble boron products	205.601 (j)(7)(i)		N	Sunset date: 3/15/2022 2019 renewal date: TBD TR: 2010 2017/Fall - Rec to Renew		
Micronutrients—Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601 (j)(7)(ii)		N	Sunset date: 3/15/2022 2019 renewal date: TBD TR: 2010 2017/Fall - Rec to Renew		

Arsenic	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		“
Strychnine	205.602	JB	N	Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		“

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes
Tuesday May 21, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Emily Oakley (EO); Asa Bradman (AB); Dan Seitz (DS); Dave Mortensen (DM)

Absent: Jesse Buie (JB)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- May 7 notes
- 2021 Sunsets: Magnesium sulfate (EO) - discuss/vote
- 2021 Sunsets: Potassium bicarbonate (EO) - discuss/vote
- 2021 Sunsets: Soaps, ammonium (RG) - discuss/vote
- Potassium hypochlorite (AB). Petition suff/TR request
- Assign leads/determine TR needs for 2022 sunsets (see table below)
- Narayan June 4 biodegradable plastics discussion
- Adjourn

Discussion

- **The May 7 notes** were approved as is
- **2021 Sunsets: Magnesium sulfate (EO).** The lead briefly summarized the substance and the previous public comment

Motion to remove magnesium sulfate from 205.601

Motion by: EO

Seconded by: AB

Additional discussion: None

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

- **2021 Sunsets: Potassium bicarbonate (EO).** The lead briefly summarized briefly the used of potassium bicarbonate, as well as the previous public comment.

Motion to remove **potassium bicarbonate** from 205.601

Motion by: EO

Seconded by: DM

Additional discussion: None

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

- **2021 Sunsets: Soaps, ammonium (RG).** The lead summarized the uses of ammonium soaps and also summarized public comment.

Motion to remove soaps, ammonium from 205.601

Motion by: RG

Seconded by: EO
Additional discussion: None
Yes: 0 No: 7 Abstain: 0 Absent: 1 Recuse: 0

- **Dr. Narayan - June 4 biodegradable plastics discussion.** The Crops Subcommittee is supportive of inviting Dr. Narayan to participate on a Crops call and will develop some specific questions they would like to ask. SE will forward the questions to the NOP and Dr. Narayan. The group discussed the larger issue of plastics in production systems, both conventional and organic.
- **Potassium hypochlorite (AB).** Deferred to June 4
- **Research Priorities.** Will discuss on June 18
- **2022 sunsets.** The CS assigned leads (see table below) and will determine TR needs during the next two calls.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

May 7, 2019

May 21, 2019

Potassium hypochlorite (AB) - petition suff/TR request
2021 Sunsets: Soaps, ammonium (RG) - discuss/vote
2021 Sunsets: Potassium bicarbonate (EO) - discuss/vote
2021 Sunsets: Magnesium sulfate (EO) - discuss/vote

June 4, 2019

Guest Ramani Narayan to join 20 minutes after the hour
2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss/vote
2021 Sunsets: Pheromones (SE) - discuss/vote
2021 Sunsets: Ferric phosphate (DM) - discuss/vote
2021 Sunsets: Ash from manure burning (HB) - discuss/vote
Potassium hypochlorite (AB). Petition suff/TR request
2022 Sunset: Micronutrients - Soluble boron products - assign lead
2022 Sunset: Micronutrients - Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt - assign lead
Fatty Alcohols - re-petition (JB) - discuss proposal/vote

June 18, 2019

2021 Sunsets: Hydrogen peroxide (JB) - discuss/vote
Research Priorities (ALL) - discuss/vote

July 2, 2019

2021 Sunsets: Hydrogen chloride (AB) - discuss/vote
2021 Sunsets: Sodium fluoaluminate (DS) - discuss/vote

July 16, 2019

August 6, 2019

Liquid fish annotation (EO) - discuss TR sufficiency
Paper pots (HB) - discuss proposal/vote

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019

November 19, 2019
 December 3, 2019
 December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. 2017 TR Newspaper.	08 06 19	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19.	06 04 19	TBD
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition fund sufficient 04 02 19.	06 04 19	Fall 2019

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July	08 06	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP.	TBD	Fall 2019
Research Priorities	All	NA	RPs due to MS Jul 2019	06 18	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	06 18	Summary: Spr 2019 Review:
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR was sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 04	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 04	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 04	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmtd Scope TR 2016 NOSB Recommendation	07 02	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 04	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02	"

* Yellow highlight indicates Subcommittee action needed *Highlight indicates review completion

2022 Sunsets

TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601	RG		Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601	DM		Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601	RG		Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601	HB		Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601	EO		Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601	SE		Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601	DS		Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601	AB/SE		Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Micronutrients - Soluble boron products	205.601 (j)(7)(i)	?		Sunset date: 3/15/2022 TR: 2010 2017/Fall - Rec to Renew		
Micronutrients - Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.	205.601 (j)(7)(ii)	?		Sunset date: 3/15/2022 TR: 2010 2017/Fall - Rec to Renew		

Arsenic	205.602	JB		Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		“
Strychnine	205.602	JB		Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		“

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes Tuesday May 7, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB); Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Dave Mortensen (DM); Emily Oakley (EO); Asa Bradman (AB)

Absent: Dan Seitz (DS)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP); Clarissa Mathews

Agenda

- April 2 notes
- Discussion of the Seattle meeting
- Assign dates for review of sunsets and petitions
- Adjourn

Discussion

- **The April 2 noted** were approved with no changes
- **Discussion of the Seattle meeting.** No follow up discussion
- **Assign dates for review of sunsets and petitions.** See table below
- **Other Items.**
 - **Research priorities.** Discussion scheduled for June 18.
- **Liquid fish products.** Members discussed responses to the questions they posed for the Spring posting of the liquid fish review and will discuss this further during a later call.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

April 2, 2019

April 16, 2019 - No call. Public comment webinar

May 7, 2019

May 21, 2019

Potassium hypochlorite (AB). Petition suff/TR request

2021 Sunsets: Soaps, ammonium (RG)- discuss/vote

2021 Sunsets: Potassium bicarbonate (EO)- discuss/vote

2021 Sunsets: Magnesium sulfate (EO)- discuss/vote

June 4, 2019

2021 Sunsets: Oils, horticultural (Narrow range oils) (SE)- discuss/vote

2021 Sunsets: Pheromones (SE)- discuss/vote

2021 Sunsets: Ferric phosphate (DM)- discuss/vote

2021 Sunsets: Ash from manure burning (HB)- discuss/vote

Fatty Alcohols - re-petition (JB). Discuss proposal/vote

June 18, 2019

2021 Sunsets: Hydrogen peroxide (JB)- discuss/vote

Research Priorities (ALL)

July 2, 2019

2021 Sunsets: Hydrogen chloride (AB)- discuss/vote

2021 Sunsets: Sodium fluoaluminate (DS)- discuss/vote

July 16, 2019

August 6, 2019

Liquid fish annotation (EO). Discuss TR sufficiency

Paper pots (HB). Discuss proposal/vote

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019

November 19, 2019

December 3, 2019

December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Paper pots	HB	Proposal	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. TR due early August. 2017 TR Newspaper.	08 06	Fall 2019
Potassium hypochlorite Potassium hypochlorite addendum	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19. Additional info requested. Addendum sent to CS 04 05 19. Petition suff/TR request due 06 07 19.	05 21	TBD
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition fund sufficient 04 02 19.	06 04	Fall 2019

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18. TR due late July	08 06	Fall 2019

Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP.	TBD	Fall 2019
Research Priorities	All	NA	RPs due to MS Jul 2019	06 18	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	06 18	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. TR found sufficient 02 19 19	05 21	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR was sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	06 04	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	06 04	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	06 04	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	05 21	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	05 21	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmtd Scope TR 2016 NOSB Recommendation	07 02	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	06 04	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	07 02	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

2022 Sunsets						
TR Requests: July 2019, Summary: Spr 2020, Review: Fall 2020						
Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed, Voted	Target meeting
Soap-based algicide/demosers	205.601			Sunset date: 3/15/2022 2015 TR 2015/Fall - Rec to Renew		Summary: Spr 2020 Review: Fall 2020
Ammonium carbonate	205.601			Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Soaps, insecticidal	205.601			Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Vitamin D3. As rodenticides	205.601			Sunset date: 3/15/2022 2011 TR 2015/Fall - Rec to Renew		"
Aquatic plant extracts (other than hydrolyzed)	205.601			Sunset date: 3/15/2022 2016 TR Marine Plants & Algae 2006 TR Aquatic Plant Extracts 2015/Fall - Rec to Renew		"
Lignin sulfonate—chelating agent, dust suppressant	205.601			Sunset date: 3/15/2022 2011 TR Lignin sulfonate 2015/Fall - Rec to Renew		"
Sodium silicate (As floating agents in postharvest handling)	205.601			Sunset date: 3/15/2022 2011 TR Sodium silicate 2015/Fall - Rec to Renew		"
EPA List 4—Inerts of Minimal Concern	205.601			Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		
Arsenic	205.602			Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"
Strychnine	205.602			Sunset date: 3/15/2022 TR: None 2015/Fall - Rec to Renew		"

Fall 2019 Milestones	Target dates (tentative)
New NOSB member training	TBD Feb/Mar 2020
NOP - Publish FRN, Open public comment	May 3, 2019
NOSB Request for TRs for 2022 sunset materials	Jun 12, 2019
NOP - Draft Fall 2019 NOSB meeting tentative agenda	Aug 5, 2018
NOSB - Fall 2019 proposals due to NOP	Aug 15, 2018
NOP - Post proposals	On or before Sep 4, 2018
Public comment closes	Oct 3, 2019
NOP - Send compiled public comments to NOSB	Oct 7, 2019
Discuss/finalize work agendas on ES call	Oct 14, 2019
Public comment webinars	Oct 15 & 17, 2019
Fall 2019 NOSB meeting - Pittsburgh, PA	Oct 23-25, 2019

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

Crops Subcommittee (CS) Notes **Tuesday April 2, 2019 2:00 pm ET**

Present: Steve Ela, Chair (SE); Jesse Buie (JB); Vice Chair; Harriet Behar (HB); Rick Greenwood (RG); Dave Mortensen (DM); Emily Oakley (EO); Dan Seitz (DS)

Absent: Asa Bradman (AB)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- March 5 notes
- Horticultural oils - Determine sufficiency of revised TR
- Fatty Alcohols petition discussion document follow up
- Other Items
- Adjourn

Discussion

- **The March 5 notes were approved as is.**
- **Horticultural oils.** The lead felt that the revision clarified some of the lingering questions, but not all of them. At this time the answers to the questions may not be available, and therefore the CS found the TR sufficient.
- **Fatty alcohols petition discussion document follow-up.**
- The CS did not declare the re-petition sufficient on the call prior to the submission of the disc document, and proceeded to do so on this call. The petition was found sufficient and SE will forward to the NOP.
 - Although the Crops Subcommittee discussed and voted on a document on the last call, the NOP chose not to post it. The NOP indicated that the document should be delayed to the fall. The standard process for the NOSB is to receive a petition and write a proposal for vote. Writing a discussion document is an optional intermediary step to glean additional public comment prior to developing a proposal. Members discussed concerns and the process moving forward. The CS also discussed whether to request a TR. The consensus was that a new TR was not necessary as the 2017 TR was comprehensive. The CS feels that to maintain integrity and the process, they must be allowed to review the petition and develop a proposal as they would for any petition. Assumption that the vote will go a certain way is false and the CS wanted to hear from more growers first. The CS discussed how to move forward and intends to follow standard procedures and not vary from the normal NOSB process.
- **Other Items**
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

March 5, 2019

Potassium hypochlorite (AB) - petition sufficiency and TR request

March 19, 2019 - cancelled
 April 2, 2019
 April 16, 2019 - No call. Public comment webinar
 May 7, 2019
 May 21, 2019
 June 4, 2019
 June 18, 2019
 July 2, 2019
 July 16, 2019
 August 6, 2019
 August 20, 2019
 September 3, 2019
 September 17, 2019
 October 1, 2019
 October 15, 2019
 November 5, 2019
 November 19, 2019
 December 3, 2019
 December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Allyl Isothiocyanate (AITC) Petition (2016) 205.601 Petition Addendum #1	JB	Proposal	Petition sent to CS 07 06 16. Petition suff/TR request due 09 06 16. Petition found suff 10 04 16. CS requested Lmt'd scope TR 10 04 16. TR in development. Expected Feb/Mar 2018. Lmtd scope TR sent to CS 02 16 18. Response due 04 18 18. TR found sufficient 03 06 18. Petition addendum sent to CS 07 25 18. <ul style="list-style-type: none"> • AITC Petition (2013) (PDF) • NOSB Subcommittee Proposal (2014) (PDF) • Technical Evaluation Report (2014) (PDF) 	11 20 18 02 05 19	Spr 2019
Ammonium Citrate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/ EO	Proposal	Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.	12 04 18 02 05 19	Spr 2019

Ammonium Glycinate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/ EO	Proposal	Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.	12 04 18 02 05 19	Spr 2019
Calcium Acetate	SE	Proposal	Petition sent to CS 01 20 17. Petition suff/TR request due 03 17 17. Petition found suff 02 06 18. CS requested TR with specific questions 02 06 18. TR expected in Sep 2018. TR sent to CS 10 10 18. Response due 12 09 18. TR found sufficient 12 04 18.	12 04 18 01 29 19	Spr 2019
Paper pots	HB	Discussion doc	Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19. 2017 TR Newspaper	11 20 18 12 04 18 01 29 19 02 05 19 02 19 19	Spr 2019
Potassium hypochlorite	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19.	03 05 19	
Fatty Alcohols – re-petition	JB	Proposal	2017 TR Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19. Petition fund sufficient 04 02 19.	02 25 19 04 02 19	Fall 2019

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18.	12 04 18	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP.	TBD	Fall 2019

Strengthen and clarify the requirements for use of organic seed (NOP 5029)	HB	Proposal	Originated in MS. Referred back to CS at Spr 2017 meeting. Referred back to CS at Fall 2017 meeting.	01 29 19 02 19 19	TBD
Research Priorities	All	NA	RPs due to MS Aug 2019	NA	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	12 04 18	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. Tr found sufficient 02 19 19	02 19 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR was sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19. TR found sufficient 04 02 19.	12 18 18	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	11 20 18	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	01 29 19 02 05 19 02 19 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	11 20 18	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	11 20 18	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmtd Scope TR 2016 NOSB Recommendation	02 19 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	01 29 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	02 05 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

Spring 2019 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 26, 2018
NOSB – Spring 2019 proposals due to NOP	Feb 21, 2019
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NOP - Post proposals	Mar 6, 2019
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NOP - Send compiled public comments to NOSB	Apr 8, 2019
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Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Crops Subcommittee (CS) Notes **Tuesday March 5, 2019 2:00 pm ET**

Present: Steve Ela, Chair (SE); Jesse Buie (JB); Vice Chair; Harriet Behar (HB); Asa Bradman (AB); Rick Greenwood (RG); Dave Mortensen (DM); Emily Oakley (EO); Dan Seitz (DS)

Absent:

Staff: Michelle Arsenault (MA); Clarissa Matthews (CM); Devon Pattillo (DP)

Agenda

- February 19 notes
- Fatty Alcohols petition discussion document follow up
- Potassium hypochlorite (AB) - petition sufficiency and TR request
- Paper pots TR request
- Liquid fish products
- Other Items
- Adjourn

Discussion

- **The February 19 notes** were accepted as is.
- **Fatty Alcohols petition discussion document** follow up. After the last Crops Subcommittee call, the members chose to put forth a discussion document to glean additional public comment. The CS voted on the discussion document via email and will post the document for the Spring meeting.

Motion to accept the petitioned material discussion document on “C6, C8, C10, C12 naturally derived fatty alcohol”

Motion by: Jesse Buie

Seconded by: Harriet Behar

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

- **Potassium hypochlorite (AB).** The lead summarized the petition, and the Subcommittee will ask the petitioner additional questions for clarification. The Subcommittee will likely request a TR but will defer that decision to a future call.
- **Paper pots TR request.** The CS discussed the addition of an additional question and will send the limited-scope-TR request to the NOP. NOP will request a due date of early-to-mid July.
- **Liquid fish products:** Follow up from the conversation on February 11 Executive call. In response to a question from the NOSB and a certifier/MRO regarding pH calculations in liquid fish products, the NOP has determined that as long as the final pH is less than 3.0 the method of production is not a concern. At this time the NOP will not send an official response to all certifiers, but if questions arise in the future, the NOP may revisit that decision. The NOP may relay the information at an upcoming certifier training. The due date for the technical report will be early July.
- **Other Items.**
 - The NOP added a second speaker to the NOSB meeting agenda for biodegradable biobased mulch film.
 - The CS cancelled the March 19 call

- The NOP suggested delaying the fatty alcohols discussion document until the Fall, but the Crops Subcommittee would like to collect public comment early in the process in order to inform future work. It is possible that if Crops doesn't receive enough comment in the spring, they may put forth another discussion document in the fall.
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

February 5, 2019

2021 Sunsets: Ferric phosphate (DM)
 2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR if available.
 2021 Sunsets: Sodium fluoaluminatate (DS)
 AITC (JB) - discussion and vote
 Paper pots (HB) - discuss proposal
 Strengthen and clarify the requirements for use of organic seed (NOP 5029)
 Ammonium citrate and ammonium glycinate (EO/DM) - discuss proposals

February 19, 2019

2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR.
 2021 Sunsets: Hydrogen chloride (AB)
 Paper pots (HB) - discuss proposal
 Strengthen and clarify the requirements for use of organic seed (NOP 5029)
 Potassium hypochlorite (AB) - petition sufficiency and TR request

March 5, 2019

Potassium hypochlorite (AB) - petition sufficiency and TR request

March 19, 2019 - cancelled

April 2, 2019

April 16, 2019 - No call. Public comment webinar

May 7, 2019

May 21, 2019

June 4, 2019

June 18, 2019

July 2, 2019

July 16, 2019

August 6, 2019

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019

November 19, 2019

December 3, 2019

December 17, 2019

Work Agenda

Petitioned Substances					
Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting
Allyl Isothiocyanate (AITC) Petition (2016) 205.601 Petition Addendum #1	JB	Proposal	<p>Petition sent to CS 07 06 16. Petition suff/TR request due 09 06 16. Petition found suff 10 04 16. CS requested Lmt'd scope TR 10 04 16. TR in development. Expected Feb/Mar 2018. Lmtd scope TR sent to CS 02 16 18. Response due 04 18 18. TR found sufficient 03 06 18. Petition addendum sent to CS 07 25 18.</p> <ul style="list-style-type: none"> • AITC Petition (2013) (PDF) • NOSB Subcommittee Proposal (2014) (PDF) • Technical Evaluation Report (2014) (PDF) 	11 20 18 02 05 19	Spr 2019
Ammonium Citrate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/EO	Proposal	<p>Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.</p>	12 04 18 02 05 19	Spr 2019
Ammonium Glycinate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/EO	Proposal	<p>Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.</p>	12 04 18 02 05 19	Spr 2019
Calcium Acetate	SE	Proposal	<p>Petition sent to CS 01 20 17. Petition suff/TR request due 03 17 17. Petition found suff 02 06 18. CS requested TR with specific questions 02 06 18. TR expected in Sep 2018. TR sent to CS 10 10 18. Response due 12 09 18. TR found sufficient 12 04 18.</p>	12 04 18 01 29 19	Spr 2019
Paper pots	HB	Discussion doc	<p>Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. CS requested Lmt'd scope TR 03 05 19.</p>	11 20 18 12 04 18 01 29 19 02 05 19	Spr 2019

			2017 TR Newspaper	02 19 19	
Potassium hypochlorite	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19.	03 05 19	
Fatty Alcohols – re-petition	JB	Petition disc doc	Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19.	02 25 19	Spr 2019

Other Topics					
Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18.	12 04 18 03 05 19	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP.	TBD	Fall 2019
Strengthen and clarify the requirements for use of organic seed (NOP 5029)	HB	Proposal	Originated in MS. Referred back to CS at Spr 2017 meeting. Referred back to CS at Fall 2017 meeting.	01 29 19 02 19 19	TBD
Research Priorities	All	NA	RPs due to MS Aug 2019	NA	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	12 04 18	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19. Tr found sufficient 02 19 19	02 19 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR was sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19	12 18 18	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	11 20 18	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	01 29 19 02 05 19 02 19 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	11 20 18	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	11 20 18	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	02 19 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	01 29 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	02 05 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

Spring 2019 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 26, 2018
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Note: Subcommittee notes may include preliminary discussions regarding substances considered for addition to or removal from the National List. Proposals must be voted on by the NOSB, to become recommendations to the USDA. They do not represent official National Organic Program (NOP) policy/regulations or NOSB recommendations. Please see the NOP website for official NOP policy, regulations, and status of substances used in organic production and handling.

Crops Subcommittee (CS) Notes
Tuesday February 19, 2019 2:00 pm ET

Present: Jesse Buie (JB); Vice Chair; Harriet Behar (HB); Asa Bradman (AB); Dave Mortensen (DM); Emily Oakley (EO); Rick Greenwood (RG)

Absent: Steve Ela, Chair (SE); Dan Seitz (DS)

Staff: Michelle Arsenault (MA); Clarissa Matthews (CM); Devon Pattillo (DP)

Agenda

- February 5 notes
- 2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR.
- 2021 Sunsets: Hydrogen chloride (AB)
- 2021 Sunsets: Ferric phosphate (DM)
- Paper pots (HB) - discuss proposal
- Strengthen and clarify the requirements for use of organic seed (NOP 5029)
- Potassium hypochlorite (AB) - petition sufficiency and TR request
- Fatty Alcohols - assign lead?
- Other Items
- Adjourn

Discussion

- **The February 5 notes** were found sufficient
- **2021 Sunsets: Soaps, ammonium (RG).** The lead summarized the use and manufacture of ammonium soap, and noted that there are little-to-no environmental impacts. The TR was found sufficient, and will be posted to the NOP website.
- **2021 Sunsets: Hydrogen chloride (AB).** The lead summarized the uses and manufacture of hydrogen chloride. The CS will add some questions about commercial availability for public comment.
- **2021 Sunsets: Ferric phosphate (DM).** The Crops Subcommittee discussed ferric phosphate previously, but deferred the final review while waiting for additional feedback from the NOP. The NOP indicated that the Crops Subcommittee should review the substance alone and not the inert, unless it is listed by the EPA as problematic, which this is not. The lead made some minor edits and the CS will post the document for public comment.
- **Paper pots (HB).** Several members provided comments and suggestions, which were incorporated into the draft discussion document. The group addressed synthetic fibers in this version, and in order to solicit more feedback, will bring a discussion document to the Spring meeting instead of a proposal.

Motion to accept discussion document on paper (plant pots and other crop production aids)

Motion by: HB

Seconded by: RG

Additional discussion: a member added that the TR for newspaper was informative and useful, and will aid in future deliberations.

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

- **Strengthening the organic seed guidance (NOP 5029).** The lead summarized the proposal, noting language regarding planting stock.

Motion to accept the proposal on strengthening the organic seed guidance (NOP 5029) as amended

Motion by: HB

Seconded by: AB

Additional discussion: None

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

- **Potassium hypochlorite (AB)** - petition sufficiency and TR request. Deferred to next call.
- **Other items.**
- **The meeting was adjourned**

[Previous CS Notes](#)

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

February 5, 2019

2021 Sunsets: Ferric phosphate (DM)

2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR if available.

2021 Sunsets: Sodium fluoaluminate (DS)

AITC (JB) - discussion and vote

Paper pots (HB) - discuss proposal

Strengthen and clarify the requirements for use of organic seed (NOP 5029)

Ammonium citrate and ammonium glycinate (EO/DM) - discuss proposals

February 19, 2019

2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR.

2021 Sunsets: Hydrogen chloride (AB)

Paper pots (HB) - discuss proposal

Strengthen and clarify the requirements for use of organic seed (NOP 5029)

Potassium hypochlorite (AB) - petition sufficiency and TR request

March 5, 2019

Potassium hypochlorite (AB) - petition sufficiency and TR request

March 19, 2019

April 2, 2019

April 16, 2019 - No call. Public comment webinar

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November 19, 2019
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Work Agenda

Petitioned Substances					
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Ammonium Glycinate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/EO	Proposal	<p>Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.</p>	12 04 18 02 05 19	Spr 2019
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Potassium hypochlorite	AB	Proposal	Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19.	03 05 19	
Fatty Alcohols - repetition	JB	Petition disc doc	Re-petition sent to CS 02 11 19. Petition suff/TR request due 04 12 19.		Spr 2019

Other Topics					
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Strengthen and clarify the requirements for use of organic seed (NOP 5029)	HB	Proposal	Originated in MS. Referred back to CS at Spr 2017 meeting. Referred back to CS at Fall 2017 meeting.	01 29 19 02 19 19	TBD
Research Priorities	All	NA	RPs due to MS Aug 2019	NA	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
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Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	01 29 19 02 05 19 02 19 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	11 20 18	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	11 20 18	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmted Scope TR 2016 NOSB Recommendation	02 19 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	01 29 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	02 05 19	"

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

Crops Subcommittee (CS) Notes
Tuesday February 5, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB); Vice Chair; Harriet Behar (HB); Asa Bradman (AB); Dave Mortensen (DM); Emily Oakley (EO); Dan Seitz (DS)

Absent: Rick Greenwood (RG)

Staff: Michelle Arsenault (MA); Clarissa Matthews (CM); Devon Pattillo (DP)

Agenda

- 2021 Sunsets: Ferric phosphate (DM)
- 2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR if available.
- 2021 Sunsets: Sodium fluoaluminate (DS)
- AITC (JB) - discussion and vote
- Paper pots (HB) - discuss proposal
- Strengthen and clarify the requirements for use of organic seed (NOP 5029)
- Ammonium citrate and ammonium glycinate (EO/DM) - discuss proposals
- Other Items
- Adjourn

Discussion

- **The January 29 notes** were accepted with no revisions.
- **2021 Sunsets: Ferric phosphate (DM).** The Subcommittee discussed ferric phosphate, which is used with other substances (a chelating agent and an attractant) to serve as a bait/molluscicide for controlling slugs and snails. Ferric phosphate lacks efficacy without a chelating agent, and the CS posed a question to the NOP about what it should be reviewing. The lead noted that previous NOSB's reviews considered the combination.
- **2021 Sunsets: Soaps, ammonium (RG).** Deferred to next call.
- **2021 Sunsets: Sodium fluoaluminate (DS).** The lead summarized the substance, its uses, and noted that it is not addressed in international standards. Sodium fluoaluminate is listed at §205.602 and is prohibited for use.
- **AITC (JB).** The group discussed the draft proposal and the lead addressed specific comments from a Subcommittee member. A member suggested that use on nursery stock would be a great addition to the research priorities.

Motion to classify allyl isothiocyanate (AITC) as synthetic

Motion by: JB

Seconded by: HB

Additional discussion: none

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

Motion to add allyl isothiocyanate (AITC) at §205.601

Motion by: JB

Seconded by: AB

Additional discussion: none

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

- **Paper pots (HB).** The group discussed unanswered questions about paper pots and will likely put forth a discussion document for the Spring NOSB meeting. The lead has reached out to the manufacturer for additional information, who indicated that there are some issues with sourcing hemp and has asked about the use of rayon. Members emphasized that if something is not yet commercially available, it would be preferable to wait to add it to the list. The NOP added that brevity in an annotation is helpful to certifiers. The CS will revisit this topic on the next call.
- **Ammonium citrate and ammonium glycinate (EO/DM).** The lead summarized the substances and the draft proposals. Ammonium citrate and ammonium glycinate are added to soil to enhance uptake of nutrients that are in low concentrations or where the pH of the soil is deficient. The NOSB has reevaluated its view and understanding of chelates based on a series of communications from the petitioner, and information in the technical report (TR), and has determined that its initial interpretation was correct and accurate. The TR addressed whether these compounds are needed in organic production or if there are suitable alternatives. Based on the OFPA criteria of availability of alternatives, the Subcommittee is recommending that these substances are not added to the National List.

Motion to classify ammonium citrate as petitioned as synthetic

Motion by: DM

Seconded by: HB

Additional discussion: None

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

Motion to add ammonium citrate as petitioned at §205.601

Motion by: DM

Seconded by: EO

Additional discussion: None

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

Motion to classify ammonium glycinate as petitioned as synthetic

Motion by: DM

Seconded by: HB

Additional discussion: none

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

Motion to add ammonium glycinate as petitioned at §205.601

Motion by: DM

Seconded by: DS

Additional discussion: None

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

- **Strengthen and clarify the requirements for use of organic seed (NOP 5029).** The CS will discuss this on the next call, and the lead asked for feedback from members before then.
- **Other items.** None
- **The meeting was adjourned**

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

January 29, 2019

Paper pots (HB) - discuss proposal

February 5, 2019

2021 Sunsets: Ferric phosphate (DM)

2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR if available.

2021 Sunsets: Sodium fluoaluminate (DS)

AITC (JB) - discussion and vote

Paper pots (HB) - discuss proposal

Strengthen and clarify the requirements for use of organic seed (NOP 5029)

Ammonium citrate and ammonium glycinate (EO/DM) - discuss proposals

February 19, 2019

2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR.

2021 Sunsets: Hydrogen chloride (AB)

Paper pots (HB) - discuss proposal

Strengthen and clarify the requirements for use of organic seed (NOP 5029)

Potassium hypochlorite (AB) - petition sufficiency and TR request

March 5, 2019

March 19, 2019

April 2, 2019

April 16, 2019 - No call. Public comment webinar

May 7, 2019

May 21, 2019

June 4, 2019

June 18, 2019

July 2, 2019

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December 17, 2019

Work Agenda

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Substance	Contact	Doc type	Notes	Discussed, Voted	Target meeting

Allyl Isothiocyanate (AITC) Petition (2016) 205.601 Petition Addendum #1	JB	Proposal	<p>Petition sent to CS 07 06 16. Petition suff/TR request due 09 06 16. Petition found suff 10 04 16. CS requested Lmt'd scope TR 10 04 16. TR in development. Expected Feb/Mar 2018. Lmtd scope TR sent to CS 02 16 18. Response due 04 18 18. TR found sufficient 03 06 18. Petition addendum sent to CS 07 25 18.</p> <ul style="list-style-type: none"> • AITC Petition (2013) (PDF) • NOSB Subcommittee Proposal (2014) (PDF) • Technical Evaluation Report (2014) (PDF) 	11 20 18 02 05 19	Spr 2019
Ammonium Citrate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/ EO	Proposal	<p>Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.</p>	12 04 18 02 05 19	Spr 2019
Ammonium Glycinate 205.601 Petition Addendum #1 Petition Addendum #2 Petition Addendum #3	DM/ EO	Proposal	<p>Petition sent to CS 10 25 17. Petition suff/TR request due 12 26 17. TR requested 11 21 17. TR expected in July 2018. TR sent to CS 07 30 18. Response due 09 28 18. Crops sent additional questions to TR contractor. Revised TRs sent to CS 10 16 18. Response due 12 15 18. TR found sufficient 12 04 18.</p>	12 04 18 02 05 19	Spr 2019
Calcium Acetate	SE	Proposal	<p>Petition sent to CS 01 20 17. Petition suff/TR request due 03 17 17. Petition found suff 02 06 18. CS requested TR with specific questions 02 06 18. TR expected in Sep 2018. TR sent to CS 10 10 18. Response due 12 09 18. TR found sufficient 12 04 18.</p>	12 04 18 01 29 19	Spr 2019
Paper pots	HB	Proposal	<p>Petition sent to CS 08 14 18. Petition suff/TR request due 10 13 18. Petition found sufficient 09 04 18. 2017 TR Newspaper</p>	11 20 18 12 04 18 01 29 19 02 05 19 02 19 19	Spr 2019
Potassium hypochlorite		Proposal	<p>Petition sent to CS 12 10 18. Petition suff/TR request due 02 25 19.</p>	02 19 19	

Other Topics

Project	Contact	Doc type	Notes*	Discussed/ Voted	Target meeting
Liquid fish annotation	EO	Discussion doc	Approved by ES for addition to work agenda 05 18 18. Approved by NOP 09 13 18. TR requested 12 14 18.	12 04 18	Fall 2019
Biodegradable Biobased mulch annotation change	HB/ AB	Proposal	Limited scope TR request sent to NOP 08 02 16. TR sent to CS on 12 28 16. TR Suff due 02 27 17. CS found TR suff 01 03 17. On hold pending further research. NOP sent response to CS about adding this to work agenda. Waiting for details from NOP.	TBD	Fall 2019
Strengthen and clarify the requirements for use of organic seed (NOP 5029)	HB	Proposal	Originated in MS. Referred back to CS at Spr 2017 meeting. Referred back to CS at Fall 2017 meeting.	01 29 19 02 19 19	TBD
Research Priorities	All	NA	RPs due to MS Aug 2018	NA	Fall 2019

2021 Sunsets

TR Requests: July 2018, Summary: Spr 2019, Review: Fall 2019

Substance	National List §	Contact	TR request?	Notes	Scheduled, Discussed	Target meeting
Hydrogen peroxide	205.601(a), 205.601(i)	JB	N	2015 Hydrogen Peroxide (Crops) 2017 NOSB Recommendation	12 04 18	Summary: Spr 2019 Review: Fall 2019
Soaps, ammonium	205.601(d)	RG	Y	1996 TAP Technical Evaluation Report (2015) 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Early January 2019. TR sent to CS 01 31 19. TR sufficiency/Response due 04 01 19	02 19 19	"
Oils, horticultural (Narrow range oils)	205.601(e), 205.601(i)	SE	Y	1995 TAP 2017 NOSB Recommendation CS Requested TR 05 15 18. Due Nov 30. TR was sent to HS 12 06 18. Sufficiency due 02 04 19. CS sent additional Q's to contractor. Revised TR sent to CS 02 04 19. Response due 04 05 19	12 18 18	"
Pheromones	205.601(f)	SE	N	2012 TR 2017 NOSB Recommendation	11 20 18	"
Ferric phosphate	205.601(h)	DM	N	2012 TR 2016 NOSB Recommendation	01 29 19 02 05 19	"
Potassium bicarbonate	205.601(i)	EO	N	2015 TR 2017 NOSB Recommendation	11 20 18	"
Magnesium sulfate	205.601(j)	EO	N	2011 TR 2017 NOSB Recommendation	11 20 18	"
Hydrogen chloride	205.601(n)	AB	N	2014 Lmtd Scope TR 2016 NOSB Recommendation	02 19 19	"
Ash from manure burning	205.602(a)	HB	N	2016 sunset rec 2017 NOSB Recommendation	01 29 19	"
Sodium fluoaluminate	205.602(f)	DS	N	None 2017 NOSB Recommendation	02 05 19	"

* **Yellow highlight** indicates Subcommittee action needed ***Highlight** indicates review completion

Spring 2019 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	Nov 26, 2018
NOSB – Spring 2019 proposals due to NOP	Feb 21, 2019
NOP - Draft Spring 2019 NOSB meeting tentative agenda	Mar 4, 2019
NOP - Post proposals	Mar 6, 2019
Public comment closes	Apr 4, 2019
Discuss/finalize work agendas on ES call	Apr 13, 2019
NOP - Send compiled public comments to NOSB	Apr 8, 2019
Public comment webinars	Apr 16 & 18, 2019
Spring 2019 NOSB meeting - Seattle, WA	Apr 24 - 26, 2019

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

Crops Subcommittee (CS) Notes
Tuesday January 29, 2019 2:00 pm ET

Present: Steve Ela, Chair (SE); Jesse Buie (JB); Vice Chair; Harriet Behar (HB); Asa Bradman (AB); Rick Greenwood (RG); Dave Mortensen (DM); Emily Oakley (EO)

Absent: Dan Seitz (DS)

Staff: Michelle Arsenault (MA); Devon Pattillo (DP)

Agenda

- 2021 Sunsets: Ash from manure burning (HB)
- 2021 Sunsets: Ferric phosphate (DM)
- Strengthen and clarify the requirements for use of organic seed (NOP 5029) (HB)
- Calcium Acetate (SE) - discuss draft proposal
- Paper pots (HB) - discuss proposal
- Other Items
- Adjourn

Discussion

- **2021 Sunsets: Ash from manure burning (HB).** The lead summarized the substance and the CS will post its review for public comment for the Spring NOSB meeting.
- **2021 Sunsets: Ferric phosphate (DM).** The lead summarized the substance and its use as a slug and snail bait. The CS discussed questions about chelating agents and potential effects on non-targeted species. The HS will send the document to NOP for some additional feedback and post questions for public comment.
- **Strengthen and clarify the requirements for use of organic seed (NOP 5029) (HB).** The lead is working on a draft document and will discuss it on a future call.
- **Calcium Acetate (SE) - petitioned.** The lead summarized the draft review, noting the uses and manufacture of calcium acetate. The group discussed alternatives and essentiality and will add language regarding both to the proposal for posting.

Motion to classify calcium acetate as petitioned as synthetic

Motion by: SE

Seconded by: HB

Additional discussion: none

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

Motion to add calcium acetate at §205.601

Motion by: SE

Seconded by: EO

Additional discussion: none

Yes: 0 No: 6 Abstain: 1 Absent: 1 Recuse: 0

- **Paper pots (HB).** The review is in progress and the group discussed the draft proposal. Members discussed newspaper and adhesives and will reach out the manufacturer for some additional clarification. Additionally, the NOP will provide feedback for the next call.
- **Other items.** The technical report for ammonium soaps was received during the government shutdown. NOP will review it and send as soon as it is completed.
- **The meeting was adjourned**

Previous CS Notes

Future Call Schedule (1st and 3rd Tuesdays 2:00 ET, except where noted)

December 18, 2018

2021 Sunsets: Oils, horticultural (Narrow range oils) (SE) - discuss

2021 Sunsets: Ash from manure burning (HB)

Strengthening Organic seed guidance (HB). Discuss comments from Fall 2018 meeting.

Potassium hypochlorite - assign lead and confirm discussion date of Feb 5 for petition sufficiency and TR request

Schedule AITC discussion

January 15, 2019 - cancelled due to shutdown

2021 Sunsets: Ash from manure burning (HB)

2021 Sunsets: Ferric phosphate (DM)

Strengthen and clarify the requirements for use of organic seed (NOP 5029)

Calcium Acetate (SE) - discuss draft proposal

January 29, 2019

Paper pots (HB) - discuss proposal

February 5, 2019

2021 Sunsets: Ferric phosphate (DM)

2021 Sunsets: Soaps, ammonium (RG). Discuss review and TR if available.

2021 Sunsets: Sodium fluoaluminate (DS)

AITC (JB) - discussion and vote

Paper pots (HB) - discuss proposal

Strengthen and clarify the requirements for use of organic seed (NOP 5029)

Ammonium citrate and ammonium glycinate (EO/DM) - discuss proposals

February 19, 2019

Potassium hypochlorite (AB) - petition sufficiency and TR request

2021 Sunsets: Hydrogen chloride (AB)

March 5, 2019

March 19, 2019

April 2, 2019

April 16, 2019 - No call. Public comment webinar

May 7, 2019

May 21, 2019

June 4, 2019

June 18, 2019

July 2, 2019

July 16, 2019

August 6, 2019

August 20, 2019

September 3, 2019

September 17, 2019

October 1, 2019

October 15, 2019

November 5, 2019
 November 19, 2019
 December 3, 2019
 December 17, 2019

Work Agenda

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			Response due 12 09 18. TR found sufficient 12 04 18.		
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