

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

Crops Subcommittee (CS) Notes
Tuesday, February 16, 2021 2:00 pm ET

Present: Rick Greenwood (RG), Chair; Steve Ela (SE), Vice Chair; Asa Bradman (AB); Jerry D'Amore (JD); Amy Bruch (ADB); Brian Caldwell (BC)

Absent: Wood Turner (WT); Logan Petrey (LP)

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

Agenda

- Review February 2 notes
- Biodegradable Biobased mulch annotation change proposal (AB) - Discuss/vote
- Ammonia Extract (SE) - Discuss petition discussion document/Vote
- Hydronium (RG) - Discuss
- Additional Items
- Adjourn

Discussion

- **February 2 notes** accepted as written
- **Biodegradable Biobased mulch film (BBMF) annotation change proposal (AB).** The lead summarized the draft proposal as well as the history of the project thus far. Initially when the NOSB recommended BBMF, the presumption was that it was 100% biobased, and it was later discovered there are no products that qualify. A subsequent NOP memo clarifying this was later withdrawn and the NOSB is reviewing the listing again. The group discussed of impacts on soil health, and breakdown products, and a comparative risk assessment between polyethylene film and its manufacture compared to biodegradable biobased mulch film. The group also discussed a requirement for a certain percentage of biobased content. A member added that if/when the film is tilled into the soil, it would be several inches below the surface where there are active microbes, and therefore it would not be broken down.

Motion to accept the proposal on the biodegradable biobased mulch annotation change (with proposed additions to the definition at 205.2)

Motion by: AB

Seconded by: RG

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

- **Ammonia Extract (SE).** The group discussed the draft document and questions for public comment.

Motion to accept the discussion document on ammonia extract

Motion by: SE

Seconded by: RG

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

- **Hydronium (RG).** The hydronium discussion was deferred to the next call.
- **Additional Items.** None.
- **The meeting was adjourned.**

[Previous CS Notes](#)

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

February 2, 2021

Kasugamycin (RG) - TR sufficiency/Discuss document/vote
2023 Sunset: Chlorine materials (WT) - Discuss review
Biodegradable Biobased mulch annotation change (AB) - Discuss/vote
Carbon Dioxide petition - Assign lead reviewer

February 16, 2021

Biodegradable Biobased mulch annotation change (AB) - Discuss/vote
Ammonia Extract (SE) - Discuss petition discussion document

March 2, 2021

Hydronium (RG) - Discuss need for TR
Carbon Dioxide petition (LP) - Petition sufficiency/Determine need for TR

March 16, 2021 - May cancel

April 6, 2021

April 20, 2021

May 4, 2021

Chitosan - plant disease control - Discuss
Chitosan - coagulant for fertilizer - Discuss

May 18, 2021

June 1, 2021

June 15, 2021

July 6, 2021

July 20, 2021

Research Priorities - Discuss/Send to MS

August 3, 2021

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

Petitioned Substances

Substance	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Paper based crop planting aid	SE	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	1.19.21	Spr 2021
Chitosan - plant disease control	RG	Proposal	Petition sent to CS 12.6.19. Petition suff/TR request due 2.4.20. Petition found sufficient/CS requested a TR 2.4.20. TR due back to CS mid-July. TR sent to CS 7.13.20. TR sufficiency due 9.11.20. TR found sufficient 08.18.20.	08.04.20 08.18.20 10.6.20 11.17.20 5.4.21	Fall 2021
Chitosan - coagulant for fertilizer	RG	Proposal	Petition sent to CS 07.31.20. Petition sufficiency due 09.29.20. CS sent additional questions back to petitioner.	08.18.20 5.4.21	Fall 2021
Biochar	WT/EO	Petition discussion doc	Petition sent to CS 12.19.19. Petition suff/TR request due 2.17.20. Petition found sufficient 2.4.20. CS requested TR 3.18.20. TR due back in Sep/Oct. TR sent to CS 10.21.20. TR suff due 12.21.20. Additional questions sent to TR contractor.	03.17.20 12.15.21 1.19.21	Fall 2021
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Kasugamycin	RG	Discussion doc	Petition sent to CS 05.27.20. Petition found sufficient 07.07.20 and the CS requested a TR. TR due mid-December. Draft TR sent to CS 12.22.20. TR sent to CS 01.21.21. TR sufficiency due 03.22.21. TR found sufficient 2.2.21.	07.07.20 1.5.21 2.2.21	Spr 2021
Hydronium	RG	Proposal	Petition sent to CS 10.6.20. Petition suff/TR request due 12.15.20. Petition found sufficient 12.1.20. CS requested TR 12.15.20.	11.17.20 12.1.20 12.15.20 3.2.21	Fall 2021
Carbon Dioxide	LP	TBD	Petition sent to CS 01.15.21. Petition suff/TR request due 03.16.21.	2.2.21 3.2.21	Fall 2021

Other Topics

Project	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
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Research Priorities	All	N/A	Due to MS 01.19.21	1.5.21 1.19.21 7.6.2021	Spr 2021

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

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Copper sulfate	205.601(a)(3)	JD	N	Sunset date: 5.29.23 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Copper sulfate	205.601(e)(4)	JD	N	Sunset date: 5.29.23 2011 TR 2016/Fall - Rec to Renew	1.19.21	"
Ozone gas	205.601(a)(5)	RG	Y	Sunset date: 5.29.23 2002 TR 2016/Fall - Rec to Renew CS requested TR 6.2.20.	1.19.21	"
Peracetic acid	205.601(a)(6)	WT	N	Sunset date: 5.29.23 2016 TR 2016/Fall - Rec to Renew	1.5.21	"
Peracetic acid	205.601(i)(8)	WT	N	Sunset date: 5.29.23 2016 TR 2016/Fall - Rec to Renew	1.5.21	"
EPA List 3 - Inerts of unknown toxicity	205.601(m)(2)	AB/SE	N	Sunset date: 5.29.23 TR - None 2016/Fall - Rec to Renew	12.15.20 01.19.21	"

Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid - generated from electrolyzed water. (iv) Sodium hypochlorite	205.601(a)(2)	WT	N	Sunset date: 10.30.24 & 1.28.24 (Hypochlorous acid) 2006 TR 2011 TR 2016 TR Hypochlorous acid (Crops, Livestock, Handling) 2017 TR Limited scope (Livestock) 2016/Spring - Rec to ADD Hypochlorous Acid	2.2.21	“
Magnesium oxide (CAS # 1309-48-4)	205.601(j)(5)	ADB	Y	Sunset date: 1.28.24 TR - None 2014/Spring - Rec to ADD CS requested TR 6.2.20. TR due in Feb.	12.15.20	“
Calcium chloride	205.602	LP	Y	Sunset date: 5.29.23 2001 TR 2016/Fall - Rec to Renew CS requested TR 6.2.20.TR due to CS XXXX	12.1.20	“
Rotenone (CAS # 83-79-4).	205.602(f)	RG	N	Sunset date: 1.28.24 TR - None 2012/Fall - Rec to ADD	12.1.20	“

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

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Crops Subcommittee (CS) Notes
Tuesday, February 2, 2021 2:00 pm ET

Present: Rick Greenwood (RG), Chair; Steve Ela (SE), Vice Chair; Asa Bradman (AB); Jerry D'Amore (JD); Wood Turner (WT); Logan Petrey (LP); Amy Bruch (ADB); Brian Caldwell (BC)

Absent: None

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

Agenda

- Review January 19 notes
- Kasugamycin (RG) - TR sufficiency/Discuss document/vote
- 2023 Sunset: Chlorine materials (WT) - Discuss review
- Biodegradable Biobased mulch annotation change (AB) - Discuss/vote
- Carbon Dioxide petition - Assign lead reviewer
- Additional Items
- Adjourn

Discussion

- **January 19 notes** accepted as written.
- **Kasugamycin (RG).** The lead summarized the petitioned uses for kasugamycin and noted that it is an antibiotic, although it is not used in humans. The draft summary includes manufacturing information, environmental concerns about cross resistance, and potential soil contamination. A member noted that kasugamycin resistance in conventional ag is already present. The TR was found sufficient and the CS voted on the discussion document and will submit it for public feedback at the Spring meeting.

Motion to accept the discussion document on kasugamycin

Motion by: RG

Seconded by: SE

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

- **2023 Sunset: Chlorine materials (WT).** The lead summarized the draft review, noting the four substances listed under chlorine materials. Both the Handling and Livestock Subcommittees are also reviewing chlorine materials. The Food Safety Modernization Act (FSMA) is a consideration for the handling listing, but not necessarily Crops. Members expressed concern about widespread use of these materials and potential human health and environmental issues, while also acknowledging the difficulty in removing them from the list due to the lack of alternatives and FSMA requirements. The HS will add questions to the review that emanated from the Fall 2020 Sanitizer panel. The Crops Chair mentioned that the TR for ozone discusses some of the concerns discussed here.
- **Biodegradable biobased mulch film (BBMF) annotation change (AB).** The lead discussed the issues the NOSB has been grappling with over the last few years with regard to BBMF. The listing requires 100% biobased material, and there are currently no products that meet that standard. The question is whether to maintain the listing as is, and make it aspirational, or to modify the annotation to allow for BBMF with a lesser percentage, which means it would contain a certain proportion of petroleum based products. The CS noted that they are aiming for consistency with paper pots.
- **Carbon Dioxide petition.** LP volunteered to lead the review for carbon dioxide.
- **The meeting was adjourned.**

[Previous CS Notes](#)

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

January 19, 2021

Research Priorities. Finalize and send to Materials Subcomm
2023 Sunset: EPA List 3 - Inerts of unknown toxicity (AB/SE) - Discuss review
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2023 Sunset: Ozone gas (RG) - Discuss review
Paper pots (SE) - Discuss next steps
Biochar (EO/WT) - TR sufficiency/Discuss draft discussion doc
Biodegradable Biobased mulch annotation change (AB) - Discuss/vote

February 2, 2021

Kasugamycin (RG) - TR sufficiency/Discuss document/vote
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Carbon Dioxide petition - Assign lead reviewer

February 16, 2021

Biodegradable Biobased mulch annotation change (AB) - Discuss/vote
Ammonia Extract (SE) - Discuss petition discussion document

March 2, 2021

Carbon Dioxide petition - Petition sufficiency/Determine need for TR

March 16, 2021

April 6, 2021s

May 4, 2021

Chitosan - plant disease control (RG) - Discuss proposal
Chitosan - coagulant for fertilizer (RG) - Discuss proposal

May 18, 2021

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July 6, 2021

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

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October 19, 2021

November 2, 2021

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December 7, 2021

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

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Crops Subcommittee (CS) Notes **Tuesday, January 19, 2021 2:00 pm ET**

Present: Rick Greenwood (RG), Chair; Steve Ela (SE), Vice Chair; Asa Bradman (AB); Jerry D'Amore (JD); Emily Oakley (EO); Wood Turner (WT); Logan Petrey (LP) - observer; Amy Bruch (ADB) – observer; Brian Caldwell (BC) - observer

Absent: Jesse Buie (JB)

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

Agenda

- Review January 5 notes
- Research Priorities. Finalize and send to Materials Subcomm
- 2023 Sunset: EPA List 3 - Inerts of unknown toxicity (AB/SE) - Discuss review
- 2023 Sunset: Copper sulfate 205.601(a)(3) & 205.601(e)(4) (JD) - Discuss review
- 2023 Sunset: Ozone gas (RG) - Discuss review
- Paper based crop planting aids (SE) - Discuss /vote
- Biochar (EO/WT) - TR sufficiency/Discuss draft discussion doc
- Biodegradable Biobased mulch annotation change (AB) - Discuss/vote
- Additional Items
- Adjourn

Discussion

- **January 5 notes** were accepted as written.
- **Research Priorities.** The Crops Subcommittee Chair will reach out to the former Chair to see if there are other items from the last round of public comments that should be included on the research priorities list, and then send the finalized list to the Materials Subcommittee.
- **2023 Sunset: EPA List 3 - Inerts of unknown toxicity (AB/SE).** The lead will add additional questions to the draft review and submit the document for the Spring posting.
- **2023 Sunset: Copper sulfate 205.601(a)(3) & 205.601(e)(4) (JD).** The lead summarized the uses of copper sulfate and possible environmental health concerns. Based on feedback from stakeholders about alternatives, the lead added a couple of questions regarding dry seeding. A member also identified sodium carbonate peroxyhydrate as an alternative, and noted that both substances are typically used simultaneously. The lead will forward the document to the NOP for posting to the web for the Spring meeting.
- **2023 Sunset: Ozone gas (RG).** The lead summarized the uses of ozone gas in organic agriculture, and noted that although it is a strong oxidizer, it doesn't have residue, so it is considered to be relatively benign. Human health concerns are minimal because it's used in a closed system. The lead will forward the review to the NOP for posting.
- **Paper based crop planting aids (SE).** The lead summarized the previous iterations of the document and subsequent feedback from public comment. The group discussed the additions and moved to three votes on paper pots:

Motion to classify paper based crop planting aids as synthetic

Motion by: SE

Seconded by: JD

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

Motion to add to 205.2 Terms Defined:

Paper-based crop planting aid. A material that is comprised of at least 60% cellulose-based fiber by weight, including, but not limited to, pots, seed tape, and collars that are placed in or on the soil and later incorporated into the soil, [excluding biodegradable mulch film](#). [Up to 40% of the ingredients can be non-synthetic, other permitted synthetic ingredients at §205.601\(j\), or synthetic strengthening fibers, adhesives, or resins.](#) Contains no less than 80% biobased content as verified by a qualified third party assessment (e.g. laboratory test using ASTM D6866 or composition review by qualified personnel). [Added nutrients must comply with §205.105, 205.203, and 205.206.](#)

Motion by: SE

Seconded by: RG

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

Motion to add to 205.601 (p) Production Aids:

Paper-based crop planting aids as defined in 205.2. Virgin or recycled paper without glossy paper or colored inks.

Motion by: SE

Seconded by: EO

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

- **Biochar (EO/WT).** The CS sent additional questions to TR contractor, and will defer this project to the Fall 2021 meeting.
- **Biodegradable Biobased mulch annotation change (AB).** The discussion and vote were deferred to the February 2 call.
- **Additional Items.**
 - The CS deferred several projects to the Fall meeting, including chitosan, ammonia extract, hydronium, and biochar.
 - A member asked that the Board continue to discuss containers at some future date.
- **The meeting was adjourned.**

[Previous CS Notes](#)

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

January 5, 2021

2023 Sunset: Peracetic acid 205.601(a)(6) 7 205.601(i)(8) (WT) - Discuss review

Research Priorities - Discuss draft

Kasugamycin (SE) - Discuss next steps

Biodegradable Biobased mulch annotation change (AB) - Discuss

January 19, 2021

Research Priorities. Finalize and send to Materials Subcomm

2023 Sunset: EPA List 3 - Inerts of unknown toxicity (AB/SE) - Discuss review

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2023 Sunset: Ozone gas (RG) - Discuss review

Paper pots (SE) - Discuss next steps

Biochar (EO/WT) - TR sufficiency/Discuss draft discussion doc

Biodegradable Biobased mulch annotation change (AB) - Discuss/vote

February 2, 2021

Kasugamycin (SE) - Discuss proposal/vote

2023 Sunset: Chlorine materials (WT) - Discuss review
 Biodegradable Biobased mulch annotation change (AB) - Discuss/vote
 Carbon Dioxide petition - Assign lead reviewer

February 16, 2021

Biodegradable Biobased mulch annotation change (AB) - Discuss/vote if not finished on Feb 2

March 2, 2021

March 16, 2021

April 6, 2021s

April 20, 2021

May 4, 2021

May 18, 2021

June 1, 2021

June 15, 2021

July 6, 2021

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

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Other Topics

Project	Contact	Doc Type	Notes*	Scheduled, Discussed, Voted	Target meeting
Biodegradable Biobased mulch annotation change	AB	Proposal	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	1.5.21 1.19.21 2.2.21	Spr 2021
Research Priorities	All	N/A	Due to MS 01.19.21	1.5.21 1.19.21	Spr 2021

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

Substance	National List	Contact	TR Request?	Notes*	Scheduled, Discussed, Voted	Target meeting
Copper sulfate	205.601(a)(3)	JD	N	Sunset date: 5.29.23 2011 TR 2016/Fall - Rec to Renew	1.19.21	Summary: Spr 2021 Review: Fall 2021
Copper sulfate	205.601(e)(4)	JD	N	Sunset date: 5.29.23 2011 TR 2016/Fall - Rec to Renew	1.19.21	"
Ozone gas	205.601(a)(5)	RG	Y	Sunset date: 5.29.23 2002 TR 2016/Fall - Rec to Renew CS requested TR 6.2.20.	1.19.21	"
Peracetic acid	205.601(a)(6)	WT	N	Sunset date: 5.29.23 2016 TR 2016/Fall - Rec to Renew	1.5.21	"
Peracetic acid	205.601(i)(8)	WT	N	Sunset date: 5.29.23 2016 TR 2016/Fall - Rec to Renew	1.5.21	"
EPA List 3 - Inerts of unknown toxicity	205.601(m)(2)	AB/SE	N	Sunset date: 5.29.23 TR - None 2016/Fall - Rec to Renew	12.15.20 01.19.21	"
Chlorine materials (i) Calcium hypochlorite. (ii) Chlorine dioxide. (iii) Hypochlorous acid - generated from electrolyzed water. (iv) Sodium hypochlorite	205.601(a)(2)	WT	N	Sunset date: 10.30.24 & 1.28.24 (Hypochlorous acid) 2006 TR 2011 TR 2016 TR Hypochlorous acid (Crops, Livestock, Handling) 2017 TR Limited scope (Livestock) 2016/Spring - Rec to ADD Hypochlorous Acid	2.2.21	"
Magnesium oxide (CAS # 1309-48-4)	205.601(j)(5)	JB	Y	Sunset date: 1.28.24 TR - None 2014/Spring - Rec to ADD CS requested TR 6.2.20. TR due in Feb.	12.15.20	"
Calcium chloride	205.602	EO	Y	Sunset date: 5.29.23 2001 TR 2016/Fall - Rec to Renew CS requested TR 6.2.20. TR due to CS XXXX	12.1.20	"
Rotenone (CAS # 83-79-4).	205.602(f)	RG	N	Sunset date: 1.28.24 TR - None 2012/Fall - Rec to ADD	12.1.20	"

Spring 2021 Milestones	Target dates (tentative)
NOP - Publish FRN, Open public comment	~Nov 15, 2020
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Spring 2021 NOSB meeting - Crystal City, VA	Apr 28 - 30, 2021

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

Crops Subcommittee (CS) Notes **Tuesday, January 5, 2021 2:00 pm ET**

Present: Rick Greenwood (RG), Chair; Steve Ela (SE), Vice Chair; Asa Bradman (AB); Jesse Buie (JB); Emily Oakley (EO); Wood Turner (WT); Logan Petrey (LP) - observer; Amy Bruch (ADB) - observer

Absent: Jerry D'Amore (JD)

Staff: Michelle Arsenault (MA); Jared Clark (JC); Devon Pattillo (DP)

Agenda

- Review December 15 notes
- 2023 Sunset: Peracetic acid 205.601(a)(6) 7 205.601(i)(8) (WT) - Discuss review
- Research Priorities - Discuss draft
- Kasugamycin (RG) - Discuss next steps
- Biodegradable Biobased mulch annotation change (AB) - Discuss
- Additional Items
- Adjourn

Discussion

- **December 15 notes** were accepted as written.
- **2023 Sunset: Peracetic acid 205.601(a)(6) 7 205.601(i)(8) (WT).** The group discussed the sunset process in general, and summarized peracetic acid, emphasizing that it is a sanitizer. Peracetic acid has been on the National List for a long time and is in wide use. A member noted that since the Food Safety Modernization Act (FSMA) was passed, it has become more important as it is an alternative to chlorine materials.
- **Research Priorities.** The group discussed the Fall 2020 research priorities list and will assess if they should make additions, changes, or deletions. The MS Chair will reach out to the previous MS Chair to see if there was any additional feedback from the Fall 2020 meeting.
- **Kasugamycin petition (RG).** The lead summarized the petitioned uses of kasugamycin and members discussed environmental concerns, including the use of antibiotics, noting the removal a few years ago of streptomycin and tetracycline. Kasugamycin is not used in humans and there are no human health effects, but it may potentially affect soil biota and grazing animals. The Crops Subcommittee received a draft version of the TR in order to review it for this discussion, but the TR is not final yet. The CS will put forth a proposal for the Spring 2021 meeting and add questions for public comment.
- **Biodegradable Biobased mulch annotation change (AB).** The lead circulated several documents including prior comments, previous NOSB work, and the NOP-contracted report from Michigan State University. The lead asked for feedback from members and will discuss this topic again on the next call.
- **Additional Items.** None
- **The meeting was adjourned.**

[Previous CS Notes](#)

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

December 15, 2020

Biochar (EO/WT) - TR suff due 12.21.20

2023 Sunset: EPA List 3 - Inerts of unknown toxicity (AB/SE) - Discuss review

2023 Sunset: Magnesium oxide (JB) - Discuss review

Research Priorities - assign lead
Hydronium (EO/RG) - TR request due 12.15.20

January 5, 2021

2023 Sunset: Peracetic acid 205.601(a)(6) 7 205.601(i)(8) (WT) - Discuss review
Research Priorities - Discuss draft
Kasugamycin (SE) - Discuss next steps
Biodegradable Biobased mulch annotation change (AB) - Discuss

January 19, 2021

Research Priorities. Finalize and send to Materials Subcomm
2023 Sunset: EPA List 3 - Inerts of unknown toxicity (AB/SE) - Discuss review
2023 Sunset: Copper sulfate 205.601(a)(3) & 205.601(e)(4) (JD) - Discuss review
2023 Sunset: Ozone gas (RG) - Discuss review
Paper pots (SE) - Discuss next steps
Biochar (EO/WT) - TR sufficiency/Discuss draft discussion doc
Biodegradable Biobased mulch annotation change (AB) - Discuss/vote

February 2, 2021

Kasugamycin (SE) - Discuss proposal/vote
Chitosan - plant disease control (RG) - Discuss draft proposal
Chitosan - coagulant for fertilizer (RG) - Discuss draft proposal
Ammonia Extract (SE) - Discuss draft proposal
2023 Sunset: Chlorine materials (WT) - Discuss review

February 16, 2021

March 2, 2021

March 16, 2021

April 6, 2021

April 20, 2021

May 4, 2021

May 18, 2021

June 1, 2021

June 15, 2021

July 6, 2021

July 20, 2021

August 3, 2021

August 17, 2021

September 7, 2021

September 21, 2021

October 5, 2021

October 19, 2021

November 2, 2021

November 16, 2021

December 7, 2021

December 21, 2021

Work Agenda

Petitioned Substances

Substance	Contact	Doc Type	Notes	Scheduled, Discussed, Voted	Target meeting
Paper pots	SE	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	1.19.21	Spr 2021
Chitosan - plant disease control	RG	Proposal	Petition sent to CS 12.6.19. Petition suff/TR request due 2.4.20. Petition found sufficient/CS requested a TR 2.4.20. TR due back to CS mid-July. TR sent to CS 7.13.20. TR sufficiency due 9.11.20. TR found sufficient 08.18.20.	08.04.20 08.18.20 10.6.20 11.17.20 2.2.21	Spr 2021
Chitosan - coagulant for fertilizer	RG	Proposal	Petition sent to CS 07.31.20. Petition sufficiency due 09.29.20. CS sent additional questions back to petitioner.	08.18.20 2.2.21	Spr 2021
Biochar	WT/EO	Petition discussion doc	Petition sent to CS 12.19.19. Petition suff/TR request due 2.17.20. Petition found sufficient 2.4.20. CS requested TR 3.18.20. TR due back in Sep/Oct. TR sent to CS 10.21.20. TR suff due 12.21.20. Additional questions sent to TR contractor.	03.17.20 12.15.21 1.19.21	Spr 2021
Ammonia Extract	SE	Proposal	Petition sent to CS 05.26.20. Petition suff/TR request due 7.24.20. Petition found sufficient 06.16.20. CS requested TR 06.19.20. TR due mid-December. Draft TR sent to CS 12.31.20	2.2.21	Spr 2021
Kasugamycin	RG	Proposal	Petition sent to CS 05.27.20. Petition found sufficient 07.07.20 and the CS requested a TR. TR due mid-December. Draft TR sent to CS 12.22.20	07.07.20 1.5.21	Spr 2021
Hydronium	EO/RG	Petition discussion doc	Petition sent to CS 10.6.20. Petition suff/TR request due 12.15.20. Petition found sufficient 12.1.20. CS requested TR 12.15.20.	11.17.20 12.1.20 12.15.20	Spr 2021

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