



National List Update

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USDA Agricultural Marketing Service
National Organic Program



Today's Learning Objectives



Review of National List Updates:

Organic
Crop
Production



Organic
Livestock
Production



Organic
Handling
Production



Changes to the National List : Crop Production



Changes to the National List: Organic Crop Production





Microcrystalline cheesewax

(o) As production aids.

Microcrystalline cheesewax -- for use in log grown mushroom production. Must be made without either ethylene-propylene co-polymer or synthetic colors.



77 FR 8089
Effective March 15, 2012



Tetracycline

(i) As plant disease control.

(12) **Tetracycline**, for fire blight control in apples and pears only until October 21, 2014.

- Extended allowance for two years
- New petition for tetracycline under NOSB review



77 FR 45903
Effective August 3, 2012



Chlorine materials

(a) As algicide, disinfectant, and sanitizer, including irrigation systems.

(2) **Chlorine materials** -- For pre-harvest use, residual chlorine levels in the water in direct crop contact or as water from cleaning irrigation systems applied to soil must not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act, except that chlorine products may be used in edible sprout production according to EPA label directions.

- Consistent with [NOP 5026](#) – Guidance on Chlorine Materials

77 FR 33290
Effective June 27, 2012



Lignin sulfonate

(j) As plant or soil amendments.

(4) **Lignin sulfonate** – chelating agent, dust suppressant.

- Technical correction - removed “floatation agent” from this listing’s annotation.
- The use of this substance as a “floatation agent” in post-harvest handling continues to be allowed under lignin sulfonate listing at § 205.601(l)(1).

77 FR 33290
Effective June 27, 2012



Streptomycin

(i) As plant disease control.

(11) **Streptomycin**, for fire blight control in apples and pears only until October 21, 2014.

- Extended allowance for two years
- New petition for streptomycin under NOP review.



77 FR 33290
Effective June 27, 2012



Sulfur dioxide



Effective October 21, 2012, **sulfur dioxide** (smoke bombs) is no longer allowed for rodent control in organic crop production. The only synthetic input allowed as a rodenticide now is vitamin D₃ (cholecalciferol).

77 FR 33290
Effective October 21, 2012

Changes to the National List Organic Crop Production



Changes to the
National List:
Prohibited Naturals
in Organic Crop
Production



Sodium nitrate

Current Listing which “sunset” from the National List on October 21, 2012:

Prohibited nonsynthetic substances...

(g) **Sodium nitrate** – unless use is restricted to no more than 20 percent of the crop's total nitrogen requirement; use in spirulina production is unrestricted until October 21, 2005.



Sodium nitrate

Per an NOP notice, after October 21, 2012, operations using sodium nitrate must still:

- Maintain or improve the natural resources of the operation, including soil and water quality (205.200).
- Comply with crop nutrient and soil fertility requirements (205.203).

If an operation chooses to start/increase sodium nitrate application, it must first notify their certifier (205.400(f)).



Sodium nitrate

- The NOP continues to work on the proposed rule for sodium nitrate in organic crop production.
- Timing of the proposed rule is difficult, but we are targeting April 2013.

Changes to the National List: Livestock Production



Changes to the National List: Organic Livestock Production



Fenbendazole & Moxidectin

(a) As disinfectants, sanitizer, and medical treatments as applicable.

(18) Parasiticides...

(i) **Fenbendazole** —only for use by or on the lawful written order of a licensed veterinarian.

(ii) Ivermectin.

(iii) **Moxidectin**—for control of internal parasites only.

77 FR 28472
Effective May 16, 2012



Fenbendazole & Moxidectin

General Restrictions :

- Not for slaughter stock
- Emergency treatment only in dairy and breeder stock if prevention fails
- Not during lactation or last third of gestation
- 90 day milk withdrawal.



Formic acid

(b) As topical treatment, external parasiticide or local anesthetic as applicable.

(2) **Formic acid** – for use as a pesticide solely within honeybee hives.



DL-Methionine

(d) As feed additives.

(1) DL-Methionine, DL-Methionine-hydroxy analog, and DL-Methionine-hydroxy analog calcium – for use only in organic poultry production at the following maximum levels of synthetic methionine per ton of feed: Laying and broiler chickens—2 pounds; turkeys and all other poultry—3 pounds.

- Extends allowance for material until new sunset date (October 2, 2017) at lower levels.
- CAS numbers were corrected.
- Petition for “average” levels under NOSB review.

77 FR 57985
Effective October 2, 2012

Changes to the National List: Organic Handling



Changes to the National List: Organic Handling New Substances





Attapulgate

(a) Nonsynthetics allowed.

Attapulgate—as a processing aid in the handling of plant and animal oils.



77 FR 45903
Effective August 3, 2012



Acidified sodium chlorite

(b) Synthetics allowed.

Acidified sodium chlorite —Secondary direct antimicrobial food treatment and indirect food contact surface sanitizing. Acidified with citric acid only.

77 FR 8089
Effective March 15, 2012



Orange Pulp, dried & Seaweed, Pacific kombu

(r) Orange pulp, dried.

(v) Seaweed, Pacific kombu.



77 FR 8089
Effective March 15, 2012

Changes to the National List Organic Handling



Changes to the National List: Organic Handling Amendments to Existing Substances



Annotation Change: Yeast

(a) Nonsynthetics allowed.

Yeast—When used as food or a fermentation agent in products labeled as “organic,” yeast must be organic if its end use is for human consumption; nonorganic yeast may be used when organic yeast is not commercially available. Growth on petrochemical substrate and sulfite waste liquor is prohibited. For smoked yeast, nonsynthetic smoke flavoring process must be documented.

77 FR 33290
Effective October 21, 2012



Yeast

Sale of organic products containing yeast or yeast ingredients

Organic products already in stream of commerce prior to October 21, 2012

(i.e., those manufactured, in storage, or on shelves), can still be sold as organic after the October 21, 2012, effective date.

Organic products manufactured on or after October 21, 2012, need to comply with the new requirements.





Lecithin

- Removed the listing for “bleached lecithin” from 205.605(b); and
- Amended the listing for “lecithin” on 205.606. The new listing now reads:
(p) **Lecithin** – de-oiled.

77 FR 8089
Effective March 15, 2012



Lecithin

Under the changes, the following requirements apply to each of these forms if they are used in organic processed products:

- **De-oiled:** Nonorganic or organic de-oiled (also called powdered or granular) forms may be used. However, the non-organic form may only be used *if* organic de-oiled forms are not commercially available. De-oiled forms may either be bleached or unbleached.
- **Fluid:** Fluid lecithin must be organic. Fluid lecithin may be unbleached or bleached with hydrogen peroxide, a bleaching agent, allowed in processed products under § 205.605(b).



Lecithin

Sale of organic products containing lecithin or ingredients

- Organic products or organic ingredients already in stream of commerce prior to March 15, 2012 , (e.g. those manufactured, in storage, or on shelves) can still be sold as organic after the March 15, 2012, effective date.
- Organic products or organic ingredients manufactured after March 15, 2012, need to comply with new requirements.



PECTIN

- Removed the listing for “pectin – low-methoxy” from 205.605(b); and
- Amended the listing for “pectin” on 205.606. The new listing now reads:
(t) **Pectin** (non-amidated forms only).



The amendments to pectin were effective on June 27, 2012. However, AMS considers a period until October 21, 2012, the original sunset date in 2012 for the pectin listings, to be reasonable and appropriate for the industry to reformulate products in order to ensure that the amendments are effectively and rationally implemented.



PECTIN

- Organic products already in stream of commerce prior to October 21, 2012, (e.g. those manufactured, in storage, or on shelves), can still be sold as organic after the October “implementation” date.
- Organic products manufactured on or after October 21, 2012, need to comply with the new requirements.



COLORS

The listing for “colors” at section 205.606 was changed to include a new restrictive annotation:

(d) Colors derived from agricultural products—*Must not be produced using synthetic solvents and carrier systems or any artificial preservative.*

77 FR 33290
Effective June 27, 2012



COLORS

- While this amendment became effective on June 27, 2012, the organic food industry will have until June 27, 2013, to reformulate organic products and fully comply with these new requirements.
- NOTE: The new restrictive annotation for colors only applies to synthetic solvents, carrier systems, or artificial preservatives that are NOT listed on 205.605(b).



HOPS

Starting
January 1, 2013,
all hops used in
processed
organic products
must be
certified organic.

- Organic products already in stream of commerce prior to January 1, 2013 (i.e., those manufactured, in storage, or on shelves, labeled, and ready for shipment), can still be sold as organic after the January 1, 2013, effective date.
- Organic products manufactured on or after January 1, 2013, need to comply with the new requirements.

77 FR 33290
Effective June 27, 2012



Potassium iodide

- Since potassium iodide was allowed under both the current nutrient vitamins and minerals listing on § 205.605(b), it did not need to be listed separately on § 205.605(b). Therefore, the NOP removed the separate listing for synthetic potassium iodide at 205.605(b).
- The listing for nonsynthetic potassium iodide at 205.605(a) remains unchanged.

77 FR 33290
Effective June 27, 2012

Existing Materials Renewed Organic Handling (§ 205.605(b))



Nutrient vitamins and minerals:

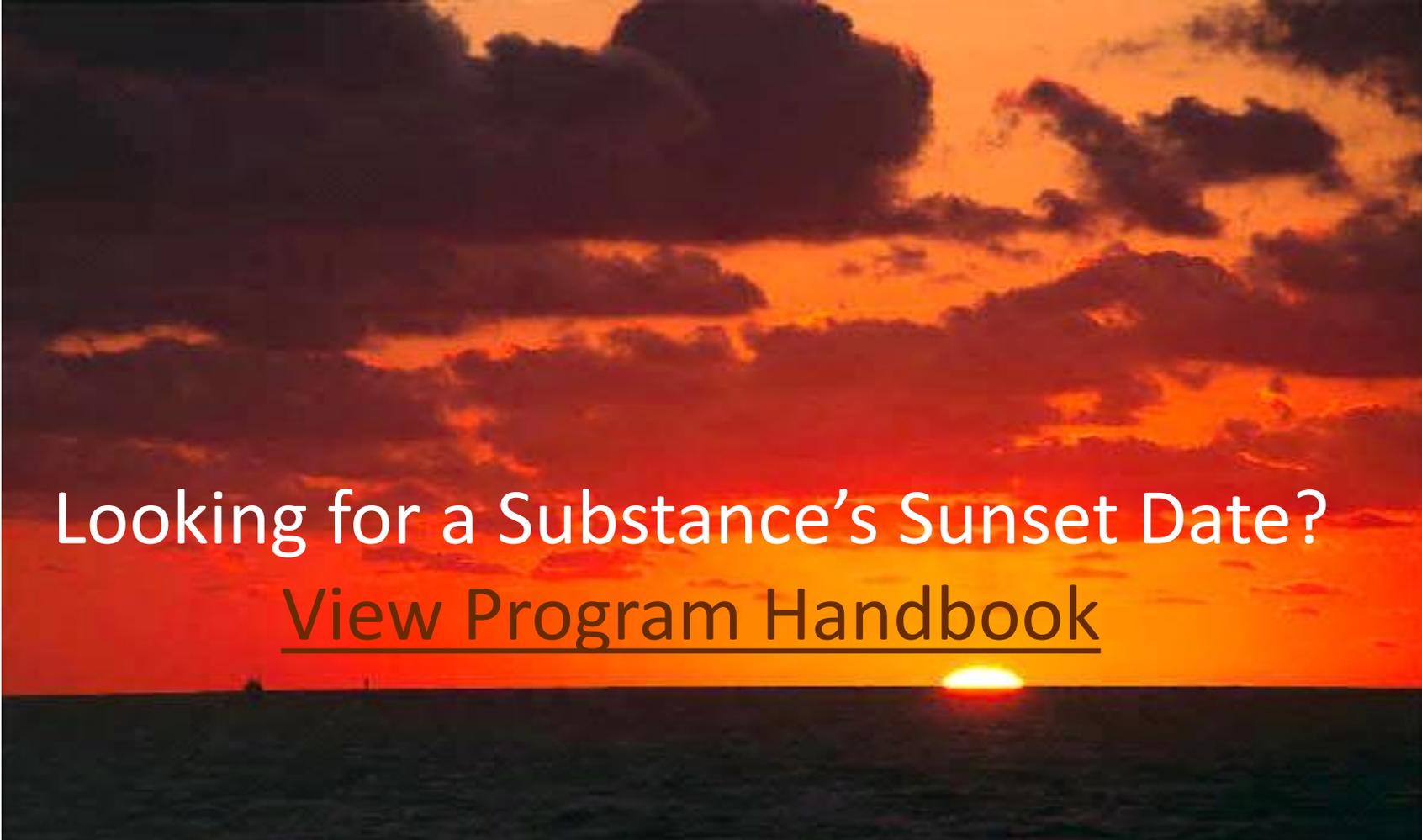
- On September 27, 2012, NOP published an interim rule that renewed the listing for nutrient vitamins and minerals at section 205.605(b) as follows:

Nutrient vitamins and minerals, in accordance with 21 CFR 104.20, Nutritional Quality Guidelines for Foods.

- This renewal continues the status quo until the NOP completes its review of comments and takes any further rulemaking action on its January 2012 proposed rule.
- NOP accepted comments on the interim rule through December 26, 2012 and is currently assessing these comments.

77 FR 59287
Effective October 21, 2012

Sunset Dates- available resources

A photograph of a sunset over the ocean. The sun is a bright yellow-orange circle on the horizon, partially obscured by dark clouds. The sky is filled with large, dark, silhouetted clouds against a vibrant orange and red background. The ocean is dark and calm, with a few small silhouettes of boats visible on the horizon.

Looking for a Substance's Sunset Date?
[View Program Handbook](#)



Questions?