

SUPPLEMENT TO THE 2022 OMRI GENERIC MATERIALS LIST

SUMMER 2023

Crop Materials

Use Class Coding

Crop production materials are classified by OMRI according to the following use classes:

CF: Crop Fertilizers and Soil Amendments

CP: Crop Pest, Weed, and Disease Control

CT: Crop Management Tools and Production Aids

Updated Categories

Adjuvants, for use in passive pheromone dispensers Class: CP

Allowed With Restrictions Synthetic

Inert ingredients classified by the EPA as 2004 List 3 or 2004 List 4 (also known as inerts of minimal concern) not revoked under NOP Guidance 5008 may be used in combination with passive pheromone dispensers. See Glossary for definitions of "adjuvants," "inert ingredient," and "pesticide." May be used as an adjuvant or inert ingredient in combination with passive pheromone dispensers only. May only be used if the requirements of 205.206(e) are met, which requires the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also INERTS, LIST 3.

NOP Reference: 205.206(e); 205.601(m)(1); 205.601(m)(2)

January, 2023

This addendum reflects all changes made through May 2023. Please use this addendum in conjunction with the 2022 *OMRI Generic Materials List* for the most current information.

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Aquatic Plant Products

Allowed

Class: CF Synthetic/Nonsynthetic Aquatic plants that have been extracted with nonsynthetic substances are allowed. May be stabilized with nonsynthetic substances or synthetic substances provided for at 205.601(j) such as vitamin C and E.

NOP Reference: 205.203(c)(3); Guidance 5034-1

January, 2023

Aquatic Plant Products, synthetically extracted

Allowed

Class: CF Synthetic Synthetic synthetic extraction process is limited to the use of potassium hydroxide or sodium hydroxide; solvent amount used is limited to that amount necessary for extraction. Aquatic plant products are prohibited if they contain synthetic preservatives such as formaldehyde, or are fortified with otherwise prohibited plant nutrient sources. May be stabilized with nonsynthetic substances or synthetic substances provided for at 205.601(j) such as vitamin C and E.

NOP Reference: 205.601(j)(1)

January, 2023

Ethylene Gas

Allowed With Restrictions

Class: CP

Synthetic

See the Processing and Handling Materials section for post-harvest uses. May include both nonsynthetic inerts or synthetic inerts allowed on the National List. For the regulation of pineapple flowering.

NOP Reference: 205.601(k); 205.601(m)(1)

January, 2023

Fertilizers, Blended with micronutrients

Allowed With Restrictions

Class: CF Synthetic

Refer to specific ingredient categories for applicable use restrictions.

NOP Reference: 205.601(j)(7)

January, 2023

Fungicides

Allowed With Restrictions

Class: CP Nonsynthetic

May include both nonsynthetic inert ingredients or synthetic inert ingredients allowed on the National List. When used pre-harvest, may only be used if the requirements of 205.206(e) are met, which requires the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. When used in post-harvest handling of raw agricultural commodities, not subject to the requirements of 205.206(e). See also BIOLOGICAL CONTROLS; PLANT DISEASE CONTROLS.

NOP Reference: Guidance 5023: 205.206(e): 205.601(m)

January, 2023

Micronutrients

Class: CF Synthetic Includes soluble boron and sulfates, carbonates, oxides or silicates

of cobalt, copper, iron, manganese, molybdenum, selenium, and zinc. Those made from nitrates or chlorides are not allowed. May be used as a micronutrient. Carriers, fillers, chelating agents, and complexing agents must be allowed materials. See also MOLYBDENUM PRODUCTS; MANGANESE PRODUCTS; IRON PRODUCTS; BORON PRODUCTS; COBALT PRODUCTS; COPPER PRODUCTS; ZINC PRODUCTS; SELENIUM PRODUCTS.

NOP Reference: 205.601(j)(7)

January, 2023

Allowed With Restrictions Mulch, Plastic

Class: CP Synthetic

Petroleum-based plastic mulch, other than polyvinyl chloride (PVC), is permitted, including mulches that are composites of paper and synthetic resins, polymers, or other nonrecycled or nonbiodegradable components. This allowance does not include biodegradable plastic. Must be removed from the field at the end of the growing or harvest season. For crops grown as annuals, removal must occur annually. For perennial crops, removal must occur before the plastic decomposes or breaks down such that it is not possible to effectively be removed. See also MULCH, BIODEGRADABLE, BIOBASED FILM.

NOP Reference: 205.206(c)(6); 205.601(b)(2)(ii); NOP Guidance 5034-1

January, 2023

Mushroom Media Waste Allowed

Class: CF Nonsynthetic

Waste from mushroom production that is derived from "Allowed" materials may be used as soil amendment, fertilizer, or compost feedstock without restriction. See also COMPOST listings for mushroom media waste that has been composted according to NOP requirements.

NOP Reference: 205.105(b); 205.203(c); Guidance 5021; Guidance 5034-1 January, 2023

Paper-Based Crop Planting Aid

Class: CT

Allowed

Synthetic Virgin or recycled paper without glossy paper or colored inks. Must meet the definition of "Paper-based crop planting aid" at 205.2: "Paperbased 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 nonsynthetic, 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).

NOP Reference: 205.601(o)(2)

January, 2023

Peracetic Acid/Peroxyacetic Acid

Allowed With Restrictions

Class: CT Synthetic

CAS# 79-21-0. When used in hydrogen peroxide formulations as noted at 205.601(a), peracetic acid is allowed at a concentration of no more than 6% as indicated on the pesticide product label. For disinfecting facility, processing equipment, seed and asexually propagated planting material.

NOP Reference: 205.601(a)(6)

January, 2023

Pheromones

Allowed With Restrictions

Class: CP Synthetic

Pheromones are considered pesticides according to the NOP definition of pesticides. May not be combined with synthetic inert ingredients except for EPA List 3 inerts used in passive pheromone dispensers and List 4 inerts. May only be used if the requirements of 205.206(e) are met, which requires the use of preventive, mechanical, physical, and other pest, weed, and disease management practices.

NOP Reference: 205.601(f); 205.601(m)(2)

January, 2023

Pollinator Attractants

Allowed

Class: CT Nonsynthetic Must be composed of nonsynthetic substances not prohibited at 205.602.

NOP Reference: 205.105

January, 2023

Seed Treatments

Allowed With Restrictions

Class: CP Nonsynthetic

Nonsynthetic materials such as microbial products, kelp, yucca, gypsum, and various clays. Disease problems may be controlled through application of materials composed entirely of nonsynthetic biological, botanical, or mineral inputs. Inert ingredients must be nonsynthetic. For plant disease control. See also BIOLOGICAL CONTROLS; MICROBIAL PRODUCTS; MINED MINERALS, UNPROCESSED.

NOP Reference: 205.105(b); 205.206(d)(2)

January, 2023

Seed Treatments

Class: CT Synthetic See CHLORINE MATERIALS; PERACETIC ACID/PEROXYACETIC ACID; HYDROGEN PEROXIDE.

January, 2023

Seed Treatments

Allowed With Restrictions

Class: CP

Synthetic/Nonsynthetic

Seed treatments that contain nonsynthetic active ingredients and synthetic active ingredients allowed by the National List at 205.601. May include both nonsynthetic or synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which requires the use of preventive, mechanical, physical, and other pest, weed, and disease management practices.

NOP Reference: 205.204(a)(2); 205.206(e); 205.601(i); 205.601(m)(1)

January, 2023

Seed Treatments

Prohibited

Class: CT Synthetic Prohibited when the treatments are synthetic and not on the National

List. Includes all synthetic pesticides and any synthetic materials not explicitly listed, and plastic polymer pelletization.

NOP Reference: 205.105(a)

January, 2023

Worm Castings Allowed

Class: CF Nonsynthetic

Worm castings made from only allowed feedstock materials and do not contain more than 1x103 (1,000) MPN fecal coliform per gram sampled and/or more than 3 MPN Salmonella per 4 grams sampled may be used without restriction. If made from raw manure feedstocks, must also show aerobic conditions and a 70-90% moisture level are maintained during production.

NOP Reference: 205.105; 205.203(c)

January, 2023

Livestock Materials

Use Class Coding

Materials used in the feeding and care of organic livestock are classified by OMRI in the following use classes:

LF: Livestock Feed Ingredients

LH: Livestock Health Care

LP: Livestock External Parasiticides and Pesticides

LT: Livestock Management Tools and Production Aids

Updated Categories

Allowed With Restrictions Excipients

Class: LH Synthetic Includes synthetic excipients (1) identified by the FDA as Generally

Recognized As Safe (GRAS); (2) approved by the FDA as a food additive; (3) included in the FDA review and approval of a New Animal Drug Application or New Drug Application; or (4) Approved by APHIS for use in veterinary biologics. See Glossary for definition of "excipient." For use as an excipient in combination with permitted active health care ingredients.

NOP Reference: 205.603(f)

January, 2023

Hydrated Lime (Calcium Hydroxide)

Allowed With Restrictions

Synthetic Class: LP For use as an external pest control. Not permitted to cauterize physical

alterations or deodorize animal wastes.

NOP Reference: 205.603(b)(6)

January, 2023

Microorganisms Allowed

Class: LF Nonsynthetic

Includes microorganisms used as direct fed microbial products and killed (dead) microorganisms. May be fed to an animal provided that all carriers are either (a) from organic sources if they are agricultural and appear on the product label, (b) nonsynthetic if they are nonagricultural, or (c) on the National List of substances allowed for organic livestock production without limiting annotation.

NOP Reference: 205.237(a); 205.105(b)

January, 2023

Phosphoric Acid

Class: LT

Allowed With Restrictions

For use as an equipment cleaner provided that no direct contact with organically managed livestock or land occurs.

NOP Reference: 205.603(a)(25)

January, 2023

Synthetic

Processing Materials

Use Class Coding

Processing and handling materials are classified by OMRI according to the following uses and applications:

PA: Processing Agricultural Ingredients and

Processing Aids

PN: Processing Nonagricultural Ingredients and

Processing Aids

PP: Processing Pest Controls

PS: Processing Sanitizers and Cleaners

PC: Processing Packaging and Containers

Updated Categories

Low-acyl Gellan Gum

NOP Reference: 205.605(b)(18)

January, 2023

Allowed

Synthetic

Smoke Flavoring

Class: PN

Class: PN Nonsynthetic, Nonagricultural The handler must document in the Organic System Plan that the smoke flavoring used is produced using a nonsynthetic process that does not use synthetic processing aids or additives. See also YEAST, SMOKED; FLAVORS.

January, 2023

Tannic Acid

Class: PN Synthetic, Agricultural/Nonagricultural

See also TANNINS.

NOP Reference: 205.105(c); 205.301

January, 2023

Tannic Acid

Class: PA Nonsynthetic

Nonorganic. See also TANNINS.

NOP Reference: 205.105(c); 205.301

January, 2023

Wood Rosin Allowed

Class: PN Nonsynthetic, Nonagricultural

See also WAX.

NOP Reference: CFR 205.605(a)(29)

January, 2023

The following categories' restriction text has been expanded to include the following:

Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

Agricultural Ingred	ients Al	Ilowed With Restrictions

Class: PA

Algae Allowed With Restrictions

Class: PA

Beeswax Allowed With Restrictions

Class: PA

Black Currant Juice Color Allowed With Restrictions

Class: PA

Blueberry Juice Color Allowed With Restrictions

Class: PA

Carrot Juice Color Allowed With Restrictions

Class: PA

Allowed With Restrictions Casein

Class: PA

Cherry Juice Color Allowed With Restrictions

Class: PA

Chia (Salvia hispanica L.) Allowed With Restrictions

Class: PA

Dillweed Oil Allowed With Restrictions

Class: PA

Egg White (Albumen) **Allowed With Restrictions**

Class: PA

Sherry **Allowed With Restrictions**

Class: PA

Sweet Potato Starch Allowed With Restrictions

Class: PA

Allowed With Restrictions Tannins

Class: PA

Turkish Bay Leaves Allowed With Restrictions

Class: PA

Turmeric Extract Color Allowed With Restrictions

Class: PA

Vegetable Oils Allowed With Restrictions

Class: PA

Whey Protein Concentrate Allowed With Restrictions

Class: PA

Expanded restriction text denoted in green.

Agricultural Ingredients

Allowed With Restrictions

Class: PA

From nonorganic sources. Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.270(b)(2); 205.301(c); 205.301(f)(1), (2), (3)

May, 2023

Agricultural

Algae **Allowed With Restrictions**

Class: PA Agricultural

Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. See glossary for definition of "algae." Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.301(c)

May, 2023

Beeswax Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural

Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDIENTS.

NOP Reference: 205.105(e), (f), (g); 205.270(b)(2); 205.301(c); 205.301(f)(1),

(2), (3)

May, 2023

Black Currant Juice Color

Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural

ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Blueberry Juice Color

Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural From nonorganic sources. Must be certified organic when used in

processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Carrot Juice Color

Class: PA

Allowed With Restrictions

Nonsynthetic, Agricultural

From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (q); 205.301(c)

Mav. 2023

Egg White (Albumen) Class: PA

Allowed With Restrictions

Agricultural

Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDIENTS.

NOP Reference: 205.105(e), (f), (g); 205.270(b)(2); 205.301(c); 205.301(f)(1),

Mav. 2023

Casein **Allowed With Restrictions**

Class: PA Agricultural Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic"

or "100% Organic." See also AGRICULTURAL INGREDIENTS.

NOP Reference: 205.105(e), (f), (g); 205.270(b)(2); 205.301(c); 205.301(f)(1), (2), (3)

May, 2023

Sherry Allowed With Restrictions

Class: PA Agricultural Sherry is a fortified cooking wine. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDIENTS.

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Cherry Juice Color

Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Sweet Potato Starch

Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Chia (Salvia hispanica L.)

Allowed With Restrictions Nonsynthetic, Agricultural

Class: PA Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDI-ENTS.

NOP Reference: 205.301(c); 205.105(e), (f), (g)

May, 2023

Tannins

Allowed With Restrictions Nonsynthetic, Agricultural

Class: PA Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDIENTS.

NOP Reference: 205.105(e), (f), (g); 205.270(b)(2); 205.301(c); 205.301(f)(1), (2), (3)

May, 2023

Dillweed Oil

Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDI-ENTS.

NOP Reference: 205.301(c); 205.105(e), (f), (g)

Class: PA

Turkish Bay Leaves

Allowed With Restrictions

Nonsynthetic, Agricultural

From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Turmeric Extract Color

Allowed With Restrictions

Class: PA

Nonsynthetic, Agricultural From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023

Vegetable Oils

Allowed With Restrictions

Class: PA Nonsynthetic, Agricultural Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic." See also AGRICULTURAL INGREDIENTS.

NOP Reference: 205.105(e), (f), (g); 205.270(b)(2); 205.301(c); 205.301(f) (1), (2), (3)

May, 2023

Whey Protein Concentrate

Allowed With Restrictions

Class: PA

Nonsynthetic, Agricultural From nonorganic sources. Must be certified organic when used in processed food products labeled as "organic." Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." Prohibited in the production of products labeled as "Organic" or "100% Organic."

NOP Reference: 205.105(e), (f), (g); 205.301(c)

May, 2023