

2022 Version	2025 Revision
<p>Insect Frass Allowed Class: CF Nonsynthetic Insect frass made only from feedstock materials shown as 'Allowed' and which does not contain more than 1x10⁸ (1,000) MPN fecal coliform per gram sampled and/or more than 3 MPN Salmonella per 4 grams sampled may be used without restriction. NOP Reference: 205.105</p>	<p>Insect Frass Allowed Class: CF Nonsynthetic Frass refers to the solid waste of insects and is not considered manure. Frass is commonly, but not exclusively, collected from insect species raised for human or animal consumption including <i>Hermetia illucens</i>, <i>Alphitobius diaperinus</i>, <i>Tenebrio molitor</i>, and <i>Acheta domesticus</i>. Insect frass made only from permitted feedstock materials (see COMPOST, VERMICOMPOST, AND INSECT FRASS FEEDSTOCKS category) may be used without restriction. If manure feedstocks are used, the manure or resulting frass must be compliantly composted or processed. NOP Reference: 205.105(b); Guidance 5034-1</p>
	<p>NEW Compost, Vermicompost, and Insect Frass Feedstocks Class: CF Synthetic/Nonsynthetic Permitted feedstocks include plant and animal materials such as manure, crop waste, food waste, plants and plant by-products (forestry debris and yard debris), pomaces, cannery wastes, and fishery wastes. Manure feedstocks may be subject to restrictions. Nonsynthetic substances not prohibited at 205.602 (such as minerals, ash not derived from burning manure, or pyrolyzed/carbonized wood), as well as synthetic substances appearing on the National List for use as plant or soil amendments are also permitted. For compost and vermicompost, newspaper and recycled paper without glossy or colored inks are allowed. See other COMPOST listings. NOP Reference: 205.105(a), (b); 205.203; Guidance 5021</p>
	<p>NEW Compost Feedstocks Prohibited Class: CF Synthetic/Nonsynthetic Prohibited compost feedstocks include sewage sludge, ash from manure burning, and plant and animal materials that have been chemically altered by a manufacturing process that do not appear on 205.601(c) or 205.601(j). Synthetic polymers created from natural materials (bioplastics) and food processing waste materials treated with prohibited substances such as in dissolved air flotation (DAF) systems, are not permitted as compost feedstocks. See other COMPOST listings. NOP Reference: 205.105(a), (b); 205.203; Guidance 5021</p>

<p>Biological Controls Class: CP Living organisms and viruses used as active ingredients. No genetically modified organisms. Inert ingredients must be nonsynthetic. See also PREDATORS & PARASITES; PLANT DISEASE CONTROLS. NOP Reference: 205.206(b)(1) ; 205.206(d)(2)</p>	<p>Biological Controls Class: CP Living macroorganisms and viruses used as active ingredients. No genetically modified organisms. Inert ingredients must be nonsynthetic. See also PLANT DISEASE CONTROLS; PREDATORS & PARASITES. NOP Reference: 205.206(b)(1); 205.206(d)(2)</p>
<p>Biopesticides Class: CP May include both nonsynthetic inerts or synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also REPELLENTS; PLANT DISEASE CONTROLS; TRAPS AND LURES. NOP Reference: 205.206(e); 205.601(m)</p>	<p>Biopesticides Class: CP Biopesticides (as defined by the EPA) include nonsynthetic materials extracted from animals, plants, or minerals and microbial pesticides (derived from bacteria, fungi, viruses, or protozoans). Living macroorganisms are considered biological controls. May include both nonsynthetic inerts or synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also PLANT DISEASE CONTROLS; REPELLENTS; BIOLOGICAL CONTROLS; LURES. NOP Reference: 205.206(e); 205.601(m)</p>
	<p>NEW</p> <p>Biological Controls Class: CP Living macroorganisms and viruses used as active ingredients. No genetically modified organisms. May include both nonsynthetic inert ingredients or synthetic inert ingredients allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also PLANT DISEASE CONTROLS; PREDATORS & PARASITES. NOP Reference: 205.206(b)(1); 205.206(e); 205.601(m)</p>
<p>Seed Treatments Class: CT 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)</p>	<p>Seed Treatments Class: CT Prohibited seed treatments include synthetic substances not appearing on the National List and nonsynthetic substances appearing at 205.602. NOP Reference: 205.105(a)</p>

		NEW	
		Seed Treatments Class: CF Nonsynthetic materials such as microbial products, kelp, yucca, gypsum, and various clays, and synthetic substances permitted by 205.601(j). Refer to specific ingredient categories for applicable use restrictions. NOP Reference: 205.105(a), (b)	Allowed With Restrictions Synthetic/Nonsynthetic
Traps and Lures Class: CP Mechanical traps are acceptable without synthetic baits. Inert ingredients must be nonsynthetic. NOP Reference: 205.206(b)(3)	Allowed Nonsynthetic	Traps Class: CP Mechanical traps are permitted but are considered devices and are outside of OMRI's scope of review. NOP Reference: 205.206(b)(3)	Synthetic/Nonsynthetic
		NEW	
		Lures Class: CP Nonsynthetic lures are permitted without restriction. Inert ingredients must be nonsynthetic. NOP Reference: 205.206(b)(3)	Allowed Nonsynthetic
Growth Regulators for Plants Class: CP All synthetic growth regulators not explicitly allowed are prohibited. Includes all formulations of the propagation hormone IBA (Indol-3-butyric acid) as well as the growth regulator NAA (1-Naphthalene acetic acid). NOP Reference: 205.105(a)	Prohibited Synthetic	Growth Regulators for Plants Class: CP All synthetic growth regulators not explicitly allowed are prohibited. Includes all formulations of the propagation hormone IBA (Indole-3-butyric acid) as well as the growth regulators NAA (1-Naphthalene acetic acid) and methyl jasmonate. NOP Reference: 205.105(a)	Prohibited Synthetic
		NEW	
		Growth Regulators for Plants Class: CP Synthetic plant growth regulators appearing at 205.601(k) on the National List are permitted. See FATTY ALCOHOLS; ETHYLENE GAS. NOP Reference: 205.601(k)	Synthetic
Worm Castings Class: CF Worm castings made from only allowed feedstock materials and do not contain more than 1x10 ³ (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)	Allowed Nonsynthetic	Worm Castings Class: CF Worm castings made from only allowed feedstock materials 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 and not contain more than 1x10 ³ (1,000) MPN fecal coliform per gram sampled and/or more than 3 MPN Salmonella per 4 grams sampled. NOP Reference: 205.105(b); 205.203(c); Guidance 5021	Allowed Nonsynthetic

<p>Worm Castings Allowed With Restrictions Class: CF Nonsynthetic Worm castings made from permitted feedstocks but contain more than 1x10³ (1,000) MPN fecal coliform per gram sampled and/or more than 3 MPN Salmonella per 4 grams sampled are subject to the same restrictions as raw manure. Worm castings made from raw manure feedstocks that do not adequately maintain aerobic conditions or 70-90% moisture level during production are also subjected to the same restrictions as raw manure. May only be (i) applied to land used for a crop not intended for human consumption; (ii) incorporated into the soil not less than 120 days prior to the harvest of a product whose edible portion has direct contact with the soil surface or soil particles; or (iii) incorporated into the soil not less than 90 days prior to the harvest of a product whose edible portion does not have direct contact with the soil surface or soil particles. See also MANURE, RAW, UNCOMPOSTED. NOP Reference: 205.203(c)</p>	<p>Worm Castings Allowed With Restrictions Class: CF Nonsynthetic Worm castings made from manure feedstocks that contain more than 1x10³ (1,000) MPN fecal coliform per gram sampled and/or more than 3 MPN Salmonella per 4 grams sampled are subject to the same restrictions as raw manure. Worm castings made from raw manure feedstocks that do not adequately maintain aerobic conditions or 70-90% moisture level during production are also subjected to the same restrictions as raw manure. May only be (i) applied to land used for a crop not intended for human consumption; (ii) incorporated into the soil not less than 120 days prior to the harvest of a product whose edible portion has direct contact with the soil surface or soil particles; or (iii) incorporated into the soil not less than 90 days prior to the harvest of a product whose edible portion does not have direct contact with the soil surface or soil particles. See also MANURE, RAW, UNCOMPOSTED. NOP Reference: 205.203(c)</p>
<p>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)</p>	<p>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 equipment, seed and asexually propagated planting material. NOP Reference: 205.601(a)(6)</p>
<p>Hypochlorous Acid Allowed With Restrictions Class: CT Synthetic Includes hypochlorous acid generated by electrolyzed water only. Electrolyzed water contains the ingredient hypochlorous acid (HOCl) which is generated from the electrolysis of salt (sodium chloride) in water. See Processing and Handling section for post-harvest use. Residual chlorine levels in the water in direct crop contact (when used pre-harvest) or as water from cleaning irrigation systems applied to the soil should not exceed the maximum residual disinfectant level under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide), except that chlorine products may be used in edible sprout production according to EPA label directions. May be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools. No intervening event is necessary before equipment is used in contact with organic crops. See also CHLORINE MATERIALS. NOP Reference: Guidance 5026; Policy Memo 15-4; 205.601(a)(2)(i)</p>	<p>Hypochlorous Acid Allowed With Restrictions Class: CT Synthetic Includes hypochlorous acid generated by electrolyzed water only. Electrolyzed water contains the ingredient hypochlorous acid (HOCl) which is generated from the electrolysis of salt (sodium chloride) in water. See Processing and Handling section for post-harvest use. Residual chlorine levels in the water in direct crop contact (when used pre-harvest) or as water from cleaning irrigation systems applied to the soil should not exceed the maximum residual disinfectant level under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide), except that chlorine products may be used in edible sprout production according to EPA label directions. May be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools. No intervening event is necessary before equipment is used in contact with organic crops. See also CHLORINE MATERIALS. NOP Reference: 205.601(a)(2)(iii); Guidance 5026</p>

<p>Chlorine Dioxide Class: LT Includes chlorine dioxide generated from a mixture of a chlorite salt (such as calcium or sodium chlorite) and an acid activator. Chlorine products may be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools (including dairy pipelines and tanks). Residual chlorine levels in the water in direct contact with food products or animals shall not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide). May be used up to maximum labeled rates for sanitizing equipment or tools. Label instructions should be followed regarding requirements for rinsing or not rinsing prior to the equipment's next use. See also CHLORINE MATERIALS; ACID ACTIVATORS FOR CHLORINE DIOXIDE. NOP Reference: 205.603(a)(10)(ii)</p>	<p>Chlorine Dioxide Class: LT Includes chlorine dioxide generated from a mixture of a chlorite salt (such as calcium or sodium chlorite) and an acid activator. Chlorine products may be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools (including dairy pipelines and tanks). Residual chlorine levels in the water in direct contact with food products or animals shall not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide). Label instructions should be followed regarding requirements for rinsing or not rinsing prior to the equipment's next use. See also ACID ACTIVATORS FOR CHLORINE DIOXIDE; CHLORINE MATERIALS. NOP Reference: 205.603(a)(10)(ii)</p>
<p>Acid Activators for Chlorine Dioxide Class: LT Must only be used for the generation of chlorine dioxide. Use of resulting chlorine dioxide must comply with 205.603(a)(10)(ii). Chlorine products may be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools (including dairy pipelines and tanks). Residual chlorine levels in the water in direct contact with food products or animals shall not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide). May be used up to maximum labeled rates for sanitizing equipment or tools. Label instructions should be followed regarding requirements for rinsing or not rinsing prior to the equipment's next use. See also CHLORINE DIOXIDE. NOP Reference: 205.603(a)(10)(ii)</p>	<p>Acid Activators for Chlorine Dioxide Class: LT Must only be used for the generation of chlorine dioxide. Use of resulting chlorine dioxide must comply with 205.603(a)(10)(ii). Chlorine products may be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools (including dairy pipelines and tanks). Residual chlorine levels in the water in direct contact with food products or animals shall not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide). Label instructions should be followed regarding requirements for rinsing or not rinsing prior to the equipment's next use. See also CHLORINE DIOXIDE. NOP Reference: 205.603(a)(10)(ii)</p>

<p>Hypochlorous Acid Allowed With Restrictions Class: LT Synthetic Includes hypochlorous acid generated by electrolyzed water only. Electrolyzed water contains the ingredient hypochlorous acid (HOCl) which is generated from the electrolysis of salt (sodium chloride) in water. Chlorine products may be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools (including dairy pipelines and tanks). Residual chlorine levels in the water in direct contact with food products or animals shall not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide). May be used up to maximum labeled rates for sanitizing equipment or tools. Label instructions should be followed regarding requirements for rinsing or not rinsing prior to the equipment's next use. See also CHLORINE MATERIALS. <i>NOP Reference: 205.603(a)(10)(iii)</i></p>	<p>Hypochlorous Acid Allowed With Restrictions Class: LT Synthetic Includes hypochlorous acid generated by electrolyzed water only. Electrolyzed water contains the ingredient hypochlorous acid (HOCl) which is generated from the electrolysis of salt (sodium chloride) in water. Chlorine products may be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools (including dairy pipelines and tanks). Residual chlorine levels in the water in direct contact with food products or animals shall not exceed the maximum residual disinfectant limit under the Safe Drinking Water Act (4 mg/L (4ppm) expressed as chlorine, 0.8 mg/L (0.8 ppm) expressed as chlorine dioxide). Label instructions should be followed regarding requirements for rinsing or not rinsing prior to the equipment's next use. See also CHLORINE MATERIALS. <i>NOP Reference: 205.603(a)(10)(iii)</i></p>
<p>Hypochlorous Acid Allowed With Restrictions Class: PS Synthetic, Nonagricultural Includes hypochlorous acid generated by electrolyzed water only. Electrolyzed water contains the ingredient hypochlorous acid (HOCl) which is generated from the electrolysis of salt (sodium chloride) in water. May be used in direct contact with post-harvest crop or food at levels approved by the FDA or the EPA for such a purpose. Such use must include a final rinse and residual chlorine levels in final rinse water shall not exceed the Maximum Residual Disinfectant Limit under the Safe Drinking Water Act, except that a final rinse is not required for use in FSIS inspected egg breaking facilities. When used as disinfectants and sanitizers for food contact surfaces, may be used up to maximum labeled rates and rinsing is not required unless mandated by the label use directions. May be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools. No intervening event is necessary before equipment is used in organic production. See also CHLORINE MATERIALS. <i>NOP Reference: 205.605(b)(12)(iii); Guidance 5026; Policy Memo 15-4 and 14-2</i></p>	<p>Hypochlorous Acid Allowed With Restrictions Class: PS Synthetic, Nonagricultural Includes hypochlorous acid generated by electrolyzed water only. Electrolyzed water contains the ingredient hypochlorous acid (HOCl) which is generated from the electrolysis of salt (sodium chloride) in water. May be used in direct contact with post-harvest crop or food at levels approved by the FDA or the EPA for such a purpose. Such use must include a final rinse and residual chlorine levels in final rinse water shall not exceed the Maximum Residual Disinfectant Limit under the Safe Drinking Water Act, except that a final rinse is not required for use in FSIS inspected egg breaking facilities. When used as disinfectants and sanitizers for food contact surfaces, may be used up to maximum labeled rates and rinsing is not required unless mandated by the label use directions. May be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools. No intervening event is necessary before equipment is used in organic production. See also CHLORINE MATERIALS. <i>NOP Reference: 205.605(b)(12)(iii); NOP Guidance 5026; Policy Memo 14-2</i></p>

<p>Chlorine Materials Class: PS</p> <p>Allowed With Restrictions Synthetic, Nonagricultural</p> <p>Includes calcium hypochlorite, sodium hypochlorite, chlorine dioxide and hypochlorous acid generated by electrolyzed water. May be used in direct contact with post-harvest crop or food at levels approved by the FDA or the EPA for such a purpose. Such use must include a final rinse and residual chlorine levels in final rinse water shall not exceed the Maximum Residual Disinfectant Limit under the Safe Drinking Water Act, except that a final rinse is not required for use in FSIS inspected egg breaking facilities. When used as disinfectants and sanitizers for food contact surfaces, may be used up to maximum labeled rates and rinsing is not required unless mandated by the label use directions. May be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools. No intervening event is necessary before equipment is used in organic production.</p> <p>NOP Reference: 205.605(b)(12); Guidance 5026; PM 14-2 and 15-4</p>	<p>Chlorine Materials Class: PS</p> <p>Allowed With Restrictions Synthetic, Nonagricultural</p> <p>Includes calcium hypochlorite, sodium hypochlorite, chlorine dioxide and hypochlorous acid generated by electrolyzed water. May be used in direct contact with post-harvest crop or food at levels approved by the FDA or the EPA for such a purpose. Such use must include a final rinse and residual chlorine levels in final rinse water shall not exceed the Maximum Residual Disinfectant Limit under the Safe Drinking Water Act, except that a final rinse is not required for use in FSIS inspected egg breaking facilities. When used as disinfectants and sanitizers for food contact surfaces, may be used up to maximum labeled rates and rinsing is not required unless mandated by the label use directions. May be used up to maximum labeled rates for disinfecting and sanitizing equipment or tools. No intervening event is necessary before equipment is used in organic production.</p> <p>NOP Reference: 205.605(b)(12); NOP Guidance 5026; Policy Memo 14-2</p>
<p>Carriers Class: CT</p> <p>See ADJUVANTS, FOR USE IN FERTILIZERS AND SOIL AMENDMENTS.</p>	<p>Carriers Class: CT</p> <p>Allowed Nonsynthetic</p> <p>Includes nonsynthetic media intended to assist in the delivery of microorganisms (for example, rhizobia and mycorrhizae), or micronutrients to crops and soil. See also ADJUVANTS, FOR USE IN FERTILIZERS AND SOIL AMENDMENTS.</p> <p>NOP Reference: 205.105(b)</p>
<p>REMOVED</p> <p>Wood, Treated Class: CT</p> <p>Allowed With Restrictions Synthetic</p> <p>Wood cannot be treated with a prohibited material. Treated with non-synthetic materials or synthetic treatments on the National List for disease control. See also ARSENATE-TREATED LUMBER; PRESSURE-TREATED LUMBER.</p> <p>NOP Reference: 205.206(f)</p>	
<p>REMOVED</p> <p>Pressure-treated Lumber Class: CT</p> <p>Allowed With Restrictions Synthetic</p> <p>May be treated with nonsynthetic materials and individual treatments that are on the National List for disease control. See ARSENATE-TREATED LUMBER.</p> <p>NOP Reference: 205.206(f)</p>	

<p>Wood Treatments Class: CP As insecticides and fungicides. Nonsynthetic wood treatments and synthetics on the National List at 205.601. May include both nonsynthetic inerts and synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. NOP Reference: 205.601(m); 205.601(e); 205.601(i)</p>	<p>Wood Treatments Class: CT Nonsynthetic substances that do not appear at 205.602 are allowed as wood treatments. See also BORIC ACID. NOP Reference: 205.105(b)</p>
<p>Pressure-treated Lumber Class: CT All synthetic wood preservatives are prohibited unless explicitly allowed or restricted. Copper chromium arsenate (CCA), creosote, and pentachlorophenol-treated lumbers are prohibited. See also ARSENATE-TREATED LUMBER. NOP Reference: 205.206(f)</p>	<p>Pressure-treated Lumber Class: CT All synthetic wood preservatives are prohibited unless explicitly allowed or restricted. Copper chromium arsenate (CCA), creosote produced from coal tar, and pentachlorophenol-treated lumbers are prohibited. See also ARSENATE-TREATED LUMBER; BORIC ACID. NOP Reference: 205.206(f)</p>
<p>Boric Acid Class: CP May include both nonsynthetic inerts or synthetic inerts allowed on the National List. May be used as an insecticide for structural pest control provided there is no direct contact with organic food or crops. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also WOOD TREATMENTS. NOP Reference: 205.601(e)(3); 205.206(e); 205.601(m)</p>	<p>Boric Acid Class: CP May include both nonsynthetic inerts or synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. May be used as an insecticide for structural pest control (for example, wood treatment) provided there is no direct contact with organic food or crops. NOP Reference: 205.206(e); 205.601(e)(3); 205.601(m)</p>
<p>Creosote Class: CT NOP Reference: 205.105(a)</p>	<p>Creosote Class: CT Creosote produced from coal tar is prohibited. See also PRESSURE-TREATED LUMBER. NOP Reference: 205.105(a)</p>
<p>Elemental Sulfur Class: CF Must have at least 99% purity. For use in on-farm generation of sulfurous acid as a soil amendment. NOP Reference: 205.601(j)(11)</p>	<p>Elemental Sulfur, for sulfurous acid generation Class: CF Must have at least 99% purity. For use in on-farm generation of sulfurous acid as a soil amendment. NOP Reference: 205.601(j)(11)</p>

<p>Sulfurous Acid Class: CT CAS# 7782-99-2. See ELEMENTAL SULFUR.</p> <p style="text-align: right;">Synthetic</p>	<p>Sulfurous Acid Class: CF CAS # 7782-99-2. Generated on-farm from elemental sulfur of at least 99% purity. See ELEMENTAL SULFUR, FOR SULFUROUS ACID GENERATION. <i>NOP Reference: 205.601(j)(11)</i></p> <p style="text-align: right;">Synthetic</p>
<p>Epsom Salts Class: CF See also MAGNESIUM SULFATE. <i>NOP Reference: 205.203(d)(3)</i></p> <p style="text-align: right;">Allowed Synthetic/Nonsynthetic</p>	<p>Epsom Salts Class: CF See also MAGNESIUM SULFATE. <i>NOP Reference: 205.203(d)(3)</i></p> <p style="text-align: right;">Allowed Nonsynthetic</p>
<p>Pseudomonas spp. Class: CP Includes <i>P. putida</i>, <i>P. fluorescens</i>, <i>P. syringae</i>, and <i>P. aeruginosa</i>. As a plant growth regulator. May include both nonsynthetic inerts or synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also BIOLOGICAL CONTROLS; MICROBIAL PESTICIDES; PLANT DISEASE CONTROLS. <i>NOP Reference: 205.206(e); 205.105; 205.601(m)</i></p> <p style="text-align: right;">Allowed With Restrictions Nonsynthetic</p>	<p>Pseudomonas spp. Class: CP Includes <i>P. putida</i>, <i>P. fluorescens</i>, <i>P. syringae</i>, and <i>P. aeruginosa</i>. May include both nonsynthetic inerts or synthetic inerts allowed on the National List. May only be used if the requirements of 205.206(e) are met, which require the use of preventive, mechanical, physical, and other pest, weed, and disease management practices. See also PLANT DISEASE CONTROLS; BIOLOGICAL CONTROLS; MICROBIAL PESTICIDES. <i>NOP Reference: 205.105(b); 205.206(e); 205.601(m)</i></p> <p style="text-align: right;">Allowed With Restrictions Nonsynthetic</p>
<p>Biosolids Class: CF See SEWAGE SLUDGE.</p> <p style="text-align: right;">Synthetic</p>	<p>Biosolids Class: CF See also SEWAGE SLUDGE.</p> <p style="text-align: right;">Prohibited Synthetic</p>
<p>Calcium Hydroxide Class: CF See HYDRATED LIME.</p> <p style="text-align: right;">Synthetic</p>	<p>Calcium Hydroxide Class: CF See also HYDRATED LIME.</p> <p style="text-align: right;">Prohibited Synthetic</p>
<p>Cryolite Class: CP See SODIUM FLUOALUMINATE.</p> <p style="text-align: right;">Nonsynthetic</p>	<p>Cryolite Class: CP See also SODIUM FLUOALUMINATE.</p> <p style="text-align: right;">Prohibited Nonsynthetic</p>
<p>Dolomite, fired Class: CF See MAGNESIUM OXIDE.</p>	<p>Dolomite, fired Class: CF See also MAGNESIUM OXIDE.</p> <p style="text-align: right;">Prohibited</p>
<p>Exhaust Fumes Class: CP See CARBON MONOXIDE (EXHAUST GAS).</p> <p style="text-align: right;">Synthetic</p>	<p>Exhaust Fumes Class: CP See also CARBON MONOXIDE (EXHAUST GAS).</p> <p style="text-align: right;">Prohibited Synthetic</p>

<p>Niter Class: CF See POTASSIUM NITRATE. <i>NOP Reference: 205.105(a)</i></p>	<p>Synthetic</p>	<p>Niter Class: CF See also POTASSIUM NITRATE. <i>NOP Reference: 205.105(a)</i></p>	<p>Prohibited Synthetic</p>
<p>Quick Lime Class: CF See CALCIUM OXIDE.</p>		<p>Quick Lime Class: CF See also CALCIUM OXIDE.</p>	<p>Prohibited</p>
<p>Saltpeter Class: CF See POTASSIUM NITRATE.</p>		<p>Saltpeter Class: CF See also POTASSIUM NITRATE.</p>	<p>Prohibited</p>
<p>Slaked Lime Class: CF See HYDRATED LIME.</p>		<p>Slaked Lime Class: CF See also HYDRATED LIME.</p>	<p>Prohibited</p>
<p>Carriers Class: LF Organic agricultural products and nonsynthetic (nonagricultural) substances are allowed. All substances must be used in accordance with FDA and AAFCO requirements. See Glossary for definition of "carrier." <i>NOP Reference: 205.237(a); 205.105(b)</i></p>	<p>Allowed Nonsynthetic</p>	<p>Carriers Class: LF Organic agricultural products and nonsynthetic (nonagricultural) substances are allowed. See Glossary for definition of "carrier." <i>NOP Reference: 205.105(b); 205.237(a)</i></p>	<p>Allowed Nonsynthetic</p>
		<p>NEW Feed Binders Class: LF Includes pelletizers and feed pellet extrusion aids used in the production of animal feed. May contain organic agricultural ingredients and nonsynthetic (nonagricultural) substances. See also CARRIERS. <i>NOP Reference: 205.105(b); 205.237(a)</i></p>	<p>Allowed Nonsynthetic</p>
<p>Yucca Class: LF From organic sources. See also BOTANICALS. <i>NOP Reference: 205.237(a); 205.238(c)(1)</i></p>	<p>Allowed Nonsynthetic</p>	<p>Yucca Class: LF From organic sources. See also BOTANICALS. <i>NOP Reference: 205.237(a)</i></p>	<p>Allowed Nonsynthetic</p>
<p>Elemental Sulfur Class: LP For treatment of livestock and livestock housing. May only be used in organic livestock production if the requirements of 205.238 are met. <i>NOP Reference: 205.603(b)(2); 205.238(b)</i></p>	<p>Allowed With Restrictions Synthetic</p>	<p>Elemental Sulfur Class: LP For treatment of livestock and livestock housing. <i>NOP Reference: 205.603(b)(2)</i></p>	<p>Allowed With Restrictions Synthetic</p>

<p>Sucrose Octanoate Ester Allowed With Restrictions Class: LP Synthetic CAS# 42922-74-7; 58064-47-4. Must be used in accordance with approved labeling. May only be used in organic livestock production if the requirements of 205.238 are met. NOP Reference: 205.238(b); 205.603(b)(10)</p>	<p>Sucrose Octanoate Ester Allowed With Restrictions Class: LP Synthetic CAS # 42922-74-7; 58064-47-4. Must be used in accordance with approved labeling. NOP Reference: 205.603(b)(10)</p>
	<p>NEW Sanitizers, Disinfectants, Cleaners, and Odor Control Products Allowed Class: PS Synthetic/Nonsynthetic Must be composed only of ingredients consistent with 205.605 that do not have additional use restrictions. See also FRUIT AND VEGETABLE WASH, POST-HARVEST. NOP Reference: 205.605(a), (b)</p>
	<p>NEW Sanitizers, Disinfectants, Cleaners, and Odor Control Products Allowed With Restrictions Class: PS Synthetic/Nonsynthetic Must be composed only of ingredients consistent with 205.605. Refer to specific ingredient categories for applicable use restrictions. See also FRUIT AND VEGETABLE WASH, POST-HARVEST. NOP Reference: 205.605(a), (b)</p>
<p>Calcium Carbonate Allowed Class: PN Nonsynthetic, Nonagricultural NOP Reference: 205.605(a)(6)</p>	<p>Calcium Carbonate Allowed Class: PI Nonsynthetic, Nonagricultural Mined sources such as limestone, calcite, and aragonite are allowed. Does not include precipitated calcium carbonate (PCC). See also NUTRIENT MINERALS. NOP Reference: 205.605(a)(6)</p>
	<p>NEW Precipitated Calcium Carbonate Prohibited Class: PI Synthetic, Nonagricultural Manufactured from a synthetic process of limestone calcination followed by chemical recombination with carbon dioxide. Also known as PCC. See also CALCIUM CARBONATE. NOP Reference: 205.105(c)</p>

<p>Egg Wash Allowed Class: PS Synthetic/Nonsynthetic Must be composed of nonsynthetic, synthetic, or nonorganic ingredients consistent with 205.605 and 205.606. See also ENZYMES; HYDROGEN PEROXIDE; PERACETIC ACID/PEROXYACETIC ACID; POTASSIUM HYDROXIDE; SODIUM CARBONATE; SODIUM HYDROXIDE. NOP Reference: 205.105; 205.605(a), (b); 205.606</p>	<p>Egg Wash Allowed Class: PS Synthetic/Nonsynthetic Must be composed of nonsynthetic substances not prohibited at 205.602 or synthetic substances consistent with 205.605. Eggs are a raw agricultural commodity and washing eggs is a post-harvest activity. See also VINEGAR; ENZYMES; HYDROGEN PEROXIDE; POTASSIUM HYDROXIDE; SODIUM CARBONATE; SODIUM HYDROXIDE. NOP Reference: 205.105(a); 205.105(b); 205.605(a), (b); <i>NOP Guidance 5023</i></p>
<p>Egg Wash Allowed With Restrictions Class: PS Synthetic/Nonsynthetic Must be composed of nonsynthetic, synthetic, or nonorganic ingredients consistent with 205.605 and 205.606. Egg washes are restricted if the product contains one or more restricted materials as an ingredient. Refer to specific ingredient categories for applicable use restrictions. See also CHLORINE MATERIALS; PERACETIC ACID/PEROXYACETIC ACID. NOP Reference: 205.105; 205.605(a), (b); 205.606</p>	<p>Egg Wash Allowed With Restrictions Class: PS Synthetic/Nonsynthetic Must be composed of nonsynthetic substances not prohibited at 205.602 or synthetic substances consistent with 205.605. Eggs are a raw agricultural commodity and washing eggs is a post-harvest activity. Egg washes are restricted if the product contains one or more restricted materials as an ingredient. Refer to specific ingredient categories for applicable use restrictions. See also PERACETIC ACID/PEROXYACETIC ACID; CHLORINE MATERIALS. NOP Reference: 205.105(a); 205.105(b); 205.605(a), (b); <i>NOP Guidance 5023</i></p>
<p>Vinegar Allowed With Restrictions Class: PS Nonsynthetic Nonsynthetic vinegar is produced by fermentation and contains dilute acetic acid. For use in post-harvest handling of raw agricultural commodities. Not for use as an egg wash. Vinegar used as an egg wash must be certified organic. See also EGG WASH. NOP Reference: 205.272(a); <i>Guidance 5023</i>; 205.105</p>	<p>Vinegar Allowed With Restrictions Class: PS Nonsynthetic Nonsynthetic vinegar is produced by fermentation and contains dilute acetic acid. For use in post-harvest handling of raw agricultural commodities. See also EGG WASH. NOP Reference: 205.105(b); <i>NOP Guidance 5023</i></p>
<p>Algal Extracts Allowed Class: PN Nonsynthetic, Nonagricultural Algal extracts must appear on the National List to be used as ingredients in organic processed products. See also AGAR-AGAR; CARRAGEENAN. NOP Reference: 205.301; 205.605(a), (b)</p>	<p>Algal Extracts Allowed Class: PI Synthetic/Nonsynthetic, Nonagricultural Algal extracts must appear on the National List without restriction to be allowed as ingredients in organic processed products. See also AGAR-AGAR; ALGINATES; CARRAGEENAN. NOP Reference: 205.301; 205.605(a), (b)</p>

<p>Pectin, high methoxy Allowed With Restrictions Class: PA Agricultural Non-amidated forms only. Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. May be used in or on processed products labeled as "organic" only when not commercially available in organic form. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." See also AGRICULTURAL INGREDIENTS. NOP Reference: 205.301(b); 205.301(f); 205.606(o)</p>	<p>Pectin Allowed With Restrictions Class: PI Agricultural Non-amidated forms only, including both low and high methoxy forms. Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. May be used in or on processed products labeled as "organic" only when not commercially available in organic form. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." See also AGRICULTURAL INGREDIENTS. NOP Reference: 205.301(b); 205.301(f); 205.606(o)</p>
<p>REMOVED (MERGED) Pectin, low methoxy Allowed With Restrictions Class: PA Nonsynthetic, Agricultural Non-amidated forms only. Nonorganic agricultural ingredients must be produced and handled without the use of sewage sludge, excluded methods (GMOs) or ionizing radiation. May be used in or on processed products labeled as "organic" only when not commercially available in organic form. Nonorganic agricultural ingredients may be used in processed products labeled as "Made with Organic (specified ingredients or food group(s))." NOP Reference: 205.606(o); 205.301(b); 205.301(f)</p>	
<p>REMOVED Clay, Bentonite Allowed Class: PN Nonsynthetic, Nonagricultural See also BENTONITE. NOP Reference: 205.605(a)(5)</p>	
<p>D-limonene Allowed With Restrictions Class: PP Nonsynthetic, Nonagricultural For use as a pesticide only in conjunction with the facility pest management practices provided for in paragraphs 205.271(a) and (b) and only if those practices are not effective to prevent or control pests alone. For use in post-harvest handling of raw agricultural commodities. See also CITRUS PRODUCTS; BOTANICAL PESTICIDES. NOP Reference: 205.271(c)</p>	<p>D-limonene Allowed With Restrictions Class: PP Nonsynthetic, Agricultural/Nonagricultural For use as a pesticide only in conjunction with the facility pest management practices provided for in paragraphs 205.271(a) and (b) and only if those practices are not effective to prevent or control pests alone. For use in post-harvest handling of raw agricultural commodities. See also BOTANICAL PESTICIDES; CITRUS PRODUCTS. NOP Reference: 205.271(c)</p>

<p>D-limonene Class: PS For use in post-harvest handling of raw agricultural commodities. See also CITRUS PRODUCTS; LIMONENE; FRUIT AND VEGETABLE WASH, POST-HARVEST. NOP Reference: Guidance 5023</p>	<p>D-limonene Class: PS For use in post-harvest handling of raw agricultural commodities. See also CITRUS PRODUCTS; LIMONENE; FRUIT AND VEGETABLE WASH, POST-HARVEST. NOP Reference: Guidance 5023</p>
<p>Limonene Class: PP For use as a pesticide only in conjunction with the facility pest management practices provided for in paragraphs 205.271(a) and (b) and only if those practices are not effective to prevent or control pests alone. For use in post-harvest handling of raw agricultural commodities. See also BOTANICAL PESTICIDES; CITRUS PRODUCTS; D-LIMONENE. NOP Reference: 205.271(c)</p>	<p>Limonene Class: PP For use as a pesticide only in conjunction with the facility pest management practices provided for in paragraphs 205.271(a) and (b) and only if those practices are not effective to prevent or control pests alone. For use in post-harvest handling of raw agricultural commodities. See also BOTANICAL PESTICIDES; CITRUS PRODUCTS; D-LIMONENE. NOP Reference: 205.271(c)</p>
<p>Limonene Class: PS For use in post-harvest handling of raw agricultural commodities. See also CITRUS PRODUCTS; D-LIMONENE; FRUIT AND VEGETABLE WASH, FURTHER PROCESSING. NOP Reference: Guidance 5023</p>	<p>Limonene Class: PS For use in post-harvest handling of raw agricultural commodities. See also CITRUS PRODUCTS; D-LIMONENE. NOP Reference: NOP Guidance 5023</p>