Agricultural Marketing Service, USDA

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(4) Hydrated lime.
(5) Hydrogen peroxide.
(6) Lime sulfur.
(7) Oils, horticultural, narrow range oils as dormant, suffocating, and summer oils.
(8) Peracetic acid—for use to control fire blight bacteria.
(9) Potassium bicarbonate.
(10) Elemental sulfur.
(11) Streptomycin, for fire blight control in apples and pears only.
(12) Tetracycline, for fire blight control only and for use only until October 21, 2012.
(j) As plant or soil amendments.
(1) Aquatic plant extracts (other than hydrolyzed)—Extraction process is limited to the use of potassium hydroxide or sodium hydroxide; solvent amount used is limited to that amount necessary for extraction.
(2) Elemental sulfur.
(3) Humic acids—naturally occurring deposits, water and alkali extracts only.
(4) Lignin sulfonate—chelating agent, dust suppressant, floatation agent.
(5) Magnesium sulfate—allowed with a documented soil deficiency.
(6) Micronutrients—not to be used as a defoliant, herbicide, or desiccant. Those made from nitrates or chlorides are not allowed. Soil deficiency must be documented by testing.
(i) Soluble boron products.
(ii) Sulfates, carbonates, oxides, or silicates of zinc, copper, iron, manganese, molybdenum, selenium, and cobalt.
(7) Liquid fish products—can be pH adjusted with sulfuric, citric or phosphoric acid. The amount of acid used shall not exceed the minimum needed to lower the pH to 3.5.
(8) Vitamins, B1, C, and E.
(9) Sulfurous acid (CAS # 7782–99–2) for on-farm generation of substance utilizing 99% purity elemental sulfur in accordance with any limitations on the use of such substances.
(1) EPA List 4—Inerts of Minimal Concern.
(2) EPA List 3—Inerts of unknown toxicity—for use only in passive pheromone dispensers.
(n) Seed preparations. Hydrogen chloride (CAS # 7647–01–0)—for delinting cotton seed for planting.
(o)–(z) [Reserved]

§ 205.602 Nonsynthetic substances prohibited for use in organic crop production.

The following nonsynthetic substances may not be used in organic crop production:

(a) Ash from manure burning.
(b) Arsenic.
(c) Calcium chloride, brine process is natural and prohibited for use except as a foliar spray to treat a physiological disorder associated with calcium uptake.
(d) Lead salts.
(e) Potassium chloride—unless derived from a mined source and applied in a manner that minimizes chloride accumulation in the soil.
(f) Sodium fluoaluminate (mined).
(g) Sodium nitrate—unless use is restricted to no more than 20% of the crop’s total nitrogen requirement; use in spirulina production is unrestricted until October 21, 2005.
(h) Strychnine.
(i) Tobacco dust (nicotine sulfate).
(j)–(z) [Reserved]

§ 205.603 Synthetic substances allowed for use in organic livestock production.

In accordance with restrictions specified in this section the following synthetic substances may be used in organic livestock production: