

National List Recommendations -- 1995

SUMMARY OF NOSB RECOMMENDATIONS FOR MATERIALS CONSIDERED AT ORLANDO, FLORIDA

APRIL 1995

Processing Materials

I. The following materials have been determined to be non-synthetic and allowed for organic processing:

Agar-Agar

Alginic Acid

Calcium Chloride

Carrageenan

Citric Acid- Must be produced by microbial fermentation of carbohydrate substrates.

Diatomaceous Earth- For food filtering aid only.

Kaolin & Bentonite

Kelp- Allowed for use as a thickener and dietary supplement (as defined in the CFR).

Lactic Acid

Lecithin (Unbleached)

Magnesium Sulfate- (The synthetic form of this substance is to be reviewed at a later date by the Processing Committee.)

Natural Bacterial Enzymes- (Enzymes that are produced by microorganisms that are products of recombinant DNA technology are synthetic and are prohibited unless specifically allowed. Synthetic bacterial enzymes must be petitioned by the manufacturer or processor.)

Nitrogen- Oil-free grades; from non-oil source.

Oxygen- Oil-free grades; from non-oil source

Pectin (High Methoxy)

Potassium Chloride

Potassium Iodide

Sodium Carbonates & Bicarbonates

II. The following materials have been determined to be synthetic and allowed for organic processing:

Alginates

Ammonium Carbonates & Bicarbonates- Limited to use as a leavening agent.

Ascorbic Acid

Calcium Hydroxide

Ferrous Sulfate- Allowed for iron fortification of foods that is required by regulation or for iron enrichment by professional recommendation.

Lecithin (Bleached)

Mono & Diglycerides- For use in drum drying of food only.

Pectin (Low Methoxy)

Potassium Carbonate- Allowed only for FDA-approved applications where natural sodium carbonate is not an acceptable substitute.

Potassium Citrate

Sodium Citrate

Sulfur Dioxide- For use in organic wine only; May not be added to wine at levels greater than 100 ppm; the level of free sulfites may not exceed 35 ppm in the final product.

Sodium Hydroxide- Prohibited for use in lye peeling of fruits and vegetables and where the natural sodium carbonate is an acceptable substitute.

Xanthan Gum

III. The following materials have been determined to be synthetic and unacceptable for use in the processing of agricultural foods:

Magnesium Silicate

IV. The following materials have been determined to be synthetic and unacceptable for use in organic foods, but acceptable for use in the food category, "made with organic ingredients":

Potassium Iodide

Potassium Phosphate

V. The following materials have been tabled by the NOSB:

Magnesium Carbonate

Silicon Dioxide

Yeast, Smoked

CROPS

I. The following materials have been determined to be synthetic and allowed for use in organic crop production:

Bordeaux Mixes (Copper Sulfate and Hydrated Lime)- Must be used in a manner that minimizes accumulation of copper in the soil.

Boric Acid- May be used for structural pest control. No direct contact with food or crops being certified.

Fish Products- Liquid fish products can be pH adjusted using sulfuric, citric, or phosphoric acids. The amount of acid used cannot exceed the minimum amount needed to lower the pH to 3.5.

Lime Sulfur- Restricted to application as a fungicide or an insecticide if no feasible alternative exists.

Micronutrients- Use restricted to cases where soil/plant nutrient deficiency is documented by soil or tissue testing. Those made from nitrates are not allowed; those made from chlorides are not allowed; not to be used as a defoliant, herbicide, or desiccant.

Oils, Petroleum Based- Allowed on woody plants for dormant and summer pest control.

Prohibited for weed control use.

Pheromones

Soaps- Not allowed as an herbicide.

Sulfur (elemental)

II. The following material(s) have been determined to be synthetic and unacceptable for use in organic crop production:

Nicotine

III. The following materials have been determined to be non-synthetic and recommended for placement on the Prohibited Naturals List:

Ash (from manure burning)

Strychnine

Tobacco Dust

IV. The following materials have been determined to be non-synthetic and not within the scope of the National List:

As (from the combustion of biologically derived materials)

Hydrolyzed Aquatic Plant Extracts

Sodium Nitrate (Mined)- (The Crops committee will develop a position paper for appropriate use restrictions and possible phase out.)

V. The following materials have been tabled by the NOSB:

Aquatic Plant Extracts (Other than hydrolyzed)

Ash (from coal burning)

Boron Products, Soluble

Potassium Bicarbonate

Potassium Permanganate

LIVESTOCK

I. The following materials have been determined to be synthetic and allowed for the use in organic livestock production:

Aspirin- Approved for health-care use to reduce inflammation.

Iodine

II. The following material(s) have been tabled by the NOSB:

Biotin