

As of June 16, 2003

**SUMMARY OF MINUTES  
NATIONAL ORGANIC STANDARDS BOARD**

**September 17–19, 2002**

The National Organic Standards Board meeting of September 17–19, 2002, was attended by 13 members:

Members Present:

Owusu Bandele	Rosalie Koenig
Kim Burton	Michael Lacy
Dave Carter	Kevin R. O'Rell
Goldie Caughlan	Nancy Ostiguy
Ann Cooper	Jim Riddle
Dennis Holbrook	George Siemon
Mark King	

Absent: Rebecca Goldberg

National Organic Program (NOP) Staff:

Barbara C. Robinson, Agricultural Marketing Service Deputy Administrator for Transportation and Marketing; Richard Mathews, NOP Program Manager; Katherine Benham, Arthur Neal, Demaris Wilson, and Keith Jones

**CALL TO ORDER: September 17, 2002 – David C. Carter, Chair - 8:15 a.m. (p.4)**

Dave Carter welcomed everyone to the meeting, and had each member to introduce him/herself. He announced the October 21 implementation deadline, and the upcoming October 19–20 NOSB meeting. He talked about the materials review and voting process, and stated that there was difficulty doing the minutes from the Austin meeting. Therefore, to assist Katherine with recording the committee votes, he will bring forth from the committee the materials votes and motions and will do a roll call voice vote from each person.

**APPROVAL OF AGENDA (See Discussion Document)**

The agenda was approved. Kim Burton added that some of the crops materials listed will be deferred until the next meeting.

**APPROVAL OF MINUTES**

May 6–8, 2002 – Meeting Minutes (**See Discussion Document**)

The minutes were approved unanimously with no discussion.

Mr. Carter stated that the Executive Committee minutes, June 5, July 9, and August 13, 2002 (**See Discussion Documents**), are in the book, and Mr. Riddle added that they are also posted on the NOSB website.

**PUBLIC COMMENTS – September 17, 2002 at 8:25 a.m. (pp. 9–165)**

The following individuals presented public comments. Each person's comments were recorded and transcribed for the record. Some individuals also presented written comments. Transcribed comments, and where applicable written comments, can be found at the **DESIGNATED ATTACHMENTS**.

SIGN-IN SHEETS, (Attach. A)

Gerald Davis, CalOrganic, (Attach. 1, Page 9)

Jeff Huckaby, General Manager, Grimway Farms, (Page 17)

Richard Siegel, Law Firm Representation CO Sweet Gold, Johnston, (Attachs. 2 & 3, Page 22)

Jim Pierce, Organic Valley Crop Cooperative, (Attachs. 4 & 4a, Page 27)

Andrea Caroe, Quality Assurance International, (Attach. 5, Page, 31)

Eric Kindberg, Organic Grower, (Page 35)

Kelly Shea, Horizon Organic, (Attach. 6, Page 57)

Dr. Suki Bassi, Kansas City Ingredient Technology, Inc., (Attach. 7, Page 82)

Tom Harding, Kansas City Ingredient Technology, Inc., (Attachs. 8 & 9, Page 87)

Leslie Zuck, Pennsylvania Certified Organic, PCCO), (Page 97)

Hubert Karreman, Penn Dutch Cow Care, (Attach. 10, Page 104)

Lynn Coody, Organic Ag Systems Consulting, (Page 120)

Joe Smiley, Organic Trade Association, (Page 124)

Liana Hoodes – National Campaign for Sustainable Agriculture, (Page 129)

Dan Leiterman, Crystal Creek, Inc., (Attach. 11, Page 133)

David Engel, Midwest Organic Services Association, (Page 138)

Emily B. Rosen, OMRI, (Page 143)

Zia Sonneband, California Certified Organic Farmers, (Page 144)

Mohammad Belay, Earthrise Nutritionists, (Page 148)

Kelly Morehead, Cyanotech Corporation, (Page 150)

Marty Mesh, Florida Growers and Quality Certification Services, (Page 157)

RECESSED at 12:45 p.m.

AFTERNOON SESSION – September 17, 2002 at 1:00 p.m.

**NOP UPDATE AND DISCUSSION:** Barbara C. Robinson & Richard H. Mathews (p.165)

ISO 65 Guide and Accreditation – Keith Jones (**Discussion Document**)

Keith Jones from NOP was asked to address 3 issues regarding ISO Guide 65 and NOP. (1) Mr. Jones said that the NOP meets every objective laid out in ISO Guide 65. (2) A country has every right to require that a product be certified by an ISO 65-accredited certifying agent in order to be imported into that country. (3) An NOP-accredited certifying agent can also be an ISO-accredited certifying agent. He also discussed the structure of EU-U.S. equivalency negotiations.

Barbara Robinson added that all accreditation costs have been minimal so far, since only per diem and travel may be charged by USDA until October 21, 2002.

### **October 21 NOP Implementation**

Ms. Robinson stated that the program will be going into implementation and Secretary Veneman informed us that she will attend the roll-out event that will take place at Whole Foods Store.

### **Cost Share Program**

Ms. Robinson stated that yesterday she signed the press release which will advertise the latest certification cost-share program. It is available in all 50 states and covers producers and handlers. The first certification cost-share program was available in 15 states and covered producers only.

### **Other Issues**

**Communications.** Ms. Robinson stated that when NOP answers producers' questions, they are not trying to get in the way of certifying agent/client business. She pointed out that as federal agency, we can't refuse to talk to people. She agreed that NOP would work to get both sides of a story so that we don't give out mixed signals.

**Website Message Board.** Ms. Robinson said that message board we had talked about setting up was proving to be more complicated than expected.

**Labels Outside NOP Jurisdiction.** Mr. Jones stated that NOP cannot "bless" labels for organic beer and wine. ATF has the regulatory and the statutory authority and the mandate to approve labels that go on alcoholic beverages. Because we allow organic alcoholic beverages to be produced, ATF has come to us and said, we don't really want to become organic experts, we need your expertise. That's why we're involved in this process. The same is true for meat. FSIS has jurisdiction over meat and poultry products.

**Compost Tea/Compost.** (pp. 167-173, 178-180, and 182-185)

**Certificates.** (pp. 174-178)

**TAP Reviews.** Discussion on funding and quality (pp. 187-195)

**Recommended Materials and Technical Corrections.** (pp. 195-200)

**DAIRY HERD CONVERSION – George Sieman, Livestock Committee Chair**

Presentation and discussion, (pp. 201-232) **(Discussion Document)**

**COMMITTEE MATERIALS REVIEW/RECOMMENDATIONS**

**CROP MATERIALS (Discussion Document) – OWUSU BANDELE, Chairperson**

**CHILEAN NITRATE** (pp. 241-256)

Spirulina Aquaculture Production: According to Mr. Bandele, the committee voted 5 to 0 for nonsynthetic classification (at another point, he stated it was unanimous) not to change the current annotation which allows for Chilean nitrate use not to exceed 20 percent of the total nitrogen supplied to crop.

Prohibition in Crop Production (removing the current annotation): The committee also voted 4 to 1 not to remove the annotation. One committee member voted to establish a three year sunset provision after which the use of Chilean nitrate would be prohibited in crop production. Includes discussion on how to fill data gaps in TAP reviews with USDA research.

**OZONE** (pp. 256-269)

According to Mr. Bandele, the committee vote was 3-2 in favor of use for cleaning irrigation lines, and 5-0 for synthetic against using it to control weeds and soil borne pathogens. Discussion ensued regarding variances for research on certified organic operations vs. dedicated research facilities.

**LIVESTOCK MATERIALS – GEORGE SIEMON, Chairperson**

**BUTORPHANOL** (pp. 269-274) – **(Discussion Document)**

The committee recommends that it be considered a synthetic for use only in a medical emergency (surgery) by a licensed practitioner in accordance with FDA guidelines. They also added the stipulation of “twice withdrawal,” which Mr. Siemon explained as “ ... if it’s a milk cow, for example, you can’t sell milk [from a cow given the substance in question] for 3 days. We’re just saying it has to be 6 days.”

**FLUNIXIN** (pp. 274-284) – **(Discussion Document)**

The committee considers it a synthetic pain reliever and recommends it be used in only in a medical emergency, when prescribed by a licensed practitioner in accordance with FDA guidelines with double withdrawal.

**XYLAZINE/TALAZOLINE** (pp. 284-286)– **(Discussion Document)**

**XYLAZINE:** The committee recommended to be added to 205.603, as synthetic; **TALAZOLINE:** The committee recommended to be added to 205.603 synthetic.

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### **EPINEPHRINE – a.k.a. Adrenaline (pp. 286-29)1– (Discussion Document)**

The committee recommended it prohibited natural (to combat allergic reactions), with a specific allowance for emergency use, once in a lifetime.

*Change to Processing Materials. A decision was made to stop discussing livestock materials and move on to discuss processing materials.*

### **PROCESSING MATERIALS – MARK KING, Chairperson**

#### **TETRASODIUM PYROPHOSPHATE (TSP) (pp. 291-294) – (Discussion Document)**

The committee recommends (by a vote of 6-1) that it (PH buffer and dough conditioner) be considered an allowed synthetic for use only in dairy foods labeled as organic or for use in agricultural products labeled as made with organic, specified ingredients or food groups.

#### **CALCIUM STEARATE (pp. 294-297) – (Discussion Document)**

The committee recommends (by a vote of 6-1) that it (anti-dusting agent) be considered an prohibited synthetic, “and first to prohibit in the organic category, and then, second, to prohibit in made-with category as well.”

#### **GLUCONODELTALACTONE (GDL) (pp. 297-301) – (Discussion Document)**

The committee recommends (by a vote of 7-0) that it (tofu coagulant) be considered an allowed nonsynthetic which would be produced by microbial fermentation of carbohydrate substances.

#### **HYDROXYPROPYLMETHYLCELLULOSE (HPMC) (pp. 302-305) – (Discussion Document)**

The committee recommends (by a vote of 6-1) that it (gelatin capsule hardener) be considered an allowed synthetic, “made with organic only” only for hard capsule application.

### **COMMITTEE WORK PLANS – (Discussion Document)**

ACCREDITATION COMMITTEE, Jim Riddle, Chairperson, (pp. 305-316)

MATERIALS COMMITTEE, Kim Burton, Chairperson, Discussion, (pp. 316-320)

PROCESSING COMMITTEE, Mark King, Chairperson, Discussion, (pp. 320-323)

CROPS COMMITTEE, Owusu Bandele, Chairperson, Discussion, (pp. 323-334)

LIVESTOCK COMMITTEE. George Siemon, Chairperson, Discussion, (pp. 335-336)

**BOARD POLICY MANUAL, Jim Riddle, (pp. 337-339) – (Discussion Document)**

Mr. Riddle reported on changes already made to draft and 3 items that should be added.

**MEETING ADJOURNED 6:10 P.M.**

**CALL TO ORDER :** Wednesday, September 18, 8:13 a.m., Dave Carter, Chair

Mr. Carter announced that Mr. Lacy would be leaving in the afternoon due to a family emergency.

**MATERIALS REVIEW**

**LIVESTOCK MATERIALS – GEORGE SIEMON, Chairperson**

**HEPARIN** (p. 370) – (Discussion Document)

The committee voted against adding it (a synthetic anticoagulant) to the National List by a vote of 3-0.

**ATROPINE** (pp. 370-373) – (Discussion Document)

The committee voted against adding it (a synthetic antidote to treat poisoning) to the National List by a vote of 4-1.

**FUROSEMIDE** (pp. 373-374) – (Discussion Document)

The committee voted to return the TAP for more information by a vote of 5-0.

**ACTIVATED CHARCOAL** (pp. 374-376) – (Discussion Document)

The committee voted to consider it a synthetic and add it to the National List as a medical treatment, by a vote of 6-0. It must also be from a vegetative source.

**MINERAL OIL** (pp. 376-379) – (Discussion Document)

The committee considers it a synthetic and recommends that it be allowed for bloat control by a vote of 4-0 (with 1 abstention). It is already allowed for topical use. A second petition was put forward for dust control, but the committee is deferring their decision because the TAP did not adequately address this usage.

**KAOLIN PECTIN** (pp. 379-385) – (Discussion Document)

The committee voted to allow the synthetic version.

**BISMUTH SUBSALICYLATE** (p.385) – (Discussion Document)

The committee declared it a synthetic, said it should be allowed and described it as pepto bismol for calves.

**MAGNESIUM HYDROXIDE** (p. 385) – (Discussion Document)

Mr. Siemon said it is a laxative antacid. The committee voted 5-0, but outcome not explicitly stated. (*Addendum Attached – “FDA Publishes Final Rule on Extralabel Drug Use in Animals – from pages 6–7 of the Magnesium Hydroxide TAP*)

**PROPYLENE GLYCOL** (pp. 385-389) – (Discussion Document)

Mr. Siemon described it as a synthetic used to treat acute ketosis in ruminants. The vote was 3-0 with 3 absent. Outcome was not explicitly stated, but since they talked about an annotation, it is assumed that the vote was to allow the material.

**CALCIUM PROPIONATE** (pp. 389-390) – (Discussion Document)

Committee recommended adding it to the National List as a synthetic for use in treating milk fever. The vote was 5-0 with 1 absent. It was also considered for use as a mold inhibitor feed additive and rejected.

**CELL WALL CARBOHYDRATES** (pp. 391-415) – (Discussion Document)

Mr. Siemon says, “We call this a natural, and therefore we want this to be allowed. 3, none against, and 3 absent.”

**POTASSIUM SORBATE** (pp. 415-419) – (Discussion Document)

The committee considers it a synthetic and recommends it be allowed in livestock production as a preservative in aloe vera.

**YEAST DERIVATIVES** – (Discussion Document)

The committee recommended that Yeast Derivatives should be considered NATURAL.

**PROTEINATED CHELATES** – (Discussion Document)

The committee recommended that Chelated Trace minerals should be added to 205.603 synthetic substances allowed for use in organic livestock production with the following restriction: Proteinated and Polysaccharide Chelates only. Amino Acid Chelates are prohibited.

**PROCESSING MATERIALS – Mark King**

**ACTIVATED CARBON** (pp. 420-430) – (Discussion Document)

The committee considers it a synthetic, and voted unanimously to add it to the National List. It must be from vegetative sources only.

NOSB ACTIONS ON MATERIALS

**CROP MATERIALS – Owusu Bandele**

**CHILEAN NITRATE** (pp. 432-503)

According to the discussion document, Mr. Bandele read the motion.

**MOTION:** Owusu Bandele

**SECOND:** Nancy Ostiguy

**MOTION TO AMEND:**

To amend the annotation for sodium nitrate to read: unless use is restricted to no more than 20 percent of the crop's total nitrogen management or for unrestricted use in spirulina production until the year 2006.

**MOTION:** Kim Burton

**SECOND:** George Siemon

**MOTION:** Kim Burton

**SECOND:** George Siemon

To correct the annotation: Unless restricted to 20 percent of the crops in nitrogen management, or until October 21, 2005, for unrestricted use in spirulina production. ***Motion Fails: Vote: 5 Favored, 8 Opposed, 1 Absent***

Mr. Carter stated it was back to the original recommendation from the Committee which is not to change the annotation.

Mr. Bandele repeated the motion: Not to change the current annotation which allows for Chilean nitrate use, not to exceed 20 percent of the total nitrogen supplied to the crop. ***Vote: Passes 12 Favored, 1 Opposed, 1 Absent***

Mr. Bandele asked if this was the same motion for the second petition, and do we need to do it that way?

Mr. Riddle asked to reconsider that one because we were discussing it in that context.



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Mr. Bandele stated that in the context of the petition to prohibit the use of Chilean nitrate in crop production, again the committee voted 4 to 1 not to change the current annotation which allows for Chilean nitrate use not to exceed 20 percent of the total nitrogen supplied to the crop.

**MOTION:** Owusu Bandele

**SECOND:** Rose Koenig

Mr. Riddle stated that he was opposed to the motion because in his understanding of organic agriculture, nitrogen doesn't come in a bag; it should come from the natural system and the nitrogen cycle, and there are some problems revealed in the TAP with the material. He further stated his concerns with the material, and favored removing the material from the list for international harmonization purposes and clearly alternatives do exist. It's used to short circuit the natural farming systems, natural nitrogen cycles.

There was additional discussion regarding Chilean nitrate, and Mr. Riddle stated that what was passed in '95 was with the condition that it be reviewed in two years and that has finally happened now, seven years later. And in light of that, he offered an amendment to the current listing which is under 205.602(h), sodium nitrate, unless use is restricted to no more than 20 percent of the crop's total nitrogen requirement, until October 21, 2005, which gives three years for anticipated directive which will give time for research. Also, it's consistent with the original Board's recommendation that this is going to be an expedited review.

**MOTION:** Jim Riddle

**SECOND:** Michael Lacy

**VOTE ON THE AMENDMENT:** Sunset clause to add to the current annotation until October 21, 2005; **Vote: 2 Favored, 11 Opposed, 1 Absent.** The amendment fails with a discussion on the original motion.

Mr. King asked how can we ensure in some efficient fashion that this could be followed through within the next five years and is this something that we should consider? Mr. Carter responded that it's not germane to this motion, but it's certainly a definite issue and will need to be addressed.

Mr. Bandele repeated his original motion, "not to change the current annotation which allows for Chilean Nitrate use not to exceed 20 percent of the total nitrogen supplied to the crop." Mr. Mathews stated that that motion has already been voted on, and the issue now is whether or not to remove the material from the list.

**MOTION:** Not to remove Chilean Nitrate from the National List. **Vote: 12 Favored, 1 Opposed, 1 Absent.**

Ms. Koenig introduced a report that will assist in dealing with material issues that we consider to have problems. She also stated that it's a way to identify if there are issues that were not clear that we voted in favor of something, to somehow record those so the public can have access to the information. Perhaps could be posted to the website for researchers to access.

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The Crops Committee asks for the adoption of the following policy directive to USDA listed below: (Discussion Document)

**MOTION:** Rose Koenig

**SECOND:** Nancy Ostiguy

The NOSB requests the following information and data in regards to sodium nitrate. This information should be addressed for the upcoming mandated review of the product in approximately 2007.

Economic impacts and assessment: (a) Approximate number of farms utilizing the materials, (b) the geographical distribution of the farms utilizing the material, (c) the size of the farm operations utilizing the material, (d) list of crops to which the material's applied, and (e) methods and timing of material application.

Environmental impacts and assessment: (a) Sodium and nitrogen accumulation in soils, (b) the impact of sodium nitrate on water quality, (c) the impact of sodium nitrate on soil microorganisms, (d) the impact of sodium nitrate on soil quality, (e) comparison of approved alternatives, naturals and listed synthetics, in various cropping systems, and (f) development of best management practices for materials.

**MOTION:** Nancy Ostiguy

**SECOND:** George Siemon

Specific to Sodium Nitrate: Amendment to the original motion to take the language in Section E of Roman Numeral II and duplicate that as Section F in Roman Numeral I.

Mr. Holbrook stated that one of the reasons why this whole process came about out of the Crops Committee is because we didn't feel that the TAP reviews were giving us this type of information, and when we revisit this in five years, the TAP reviews are going to be the same. The additional information needs to be put there so that we can determine whether these things need to be changed or not.

Mr. Bandele stated that it says comparison of approved alternatives, and it should be stated because it could be interpreted as just a comparison of the alternatives, not necessarily including the sodium nitrate. Mr. Carter asked Mr. Bandele if he was offering a friendly amendment and Mr. Bandele concurred. Ms. Ostiguy took it as a friendly amendment, and Mr. Siemon agreed.

**FRIENDLY AMENDMENT:** Mr. Carter read the friendly amendment, To duplicate the language under 2–E as new 1–F with the addition of the words comparison to, “Comparison of approved alternatives, natural and listed synthetics, in various cropping systems using Chilean nitrates. In both cases. Vote: 13 Favored, 1 Absent.

Mr. Carter stated back to the original motion as amended.

**MOTION:** Jim Riddle

**SECOND:** Rose Koenig

Mr. Riddle stated that one concern of the committee is the lack of information about the impact of the mining and manufacturing process, and would like to request that it be studied in this interim period. He offered a friendly amendment to the second section, Environmental Impact and Assessment, to add a new Item G, impact of Chilean nitrate mining and manufacturing process. **Vote: 13 Favored, 1 Absent.**

**FRIENDLY AMENDMENT:** The main paragraph would say the NOSB requests the following information and data in regard to sodium nitrate — Chilean nitrate – this information should be addressed for the upcoming mandated review of the material. Mr. Riddle asked that the words, “in approximately 2007” be deleted.

Mr. Mathews stated that because of time do we need to do a voice vote, and Mr. Carter stated, “yes” for the record.

**MOTION:** Jim Riddle

**SECOND:** Goldie Caughlan

Mr. Riddle also added to the amendment that would be on the list, that is the impact of this material on international trade. It's not ever going to be addressed by a TAP review, and it's not logical to add in here and would like to move to add to Number 1 a new Item G, “impact on international trade.” **Vote: 10 Favored, 3 Opposed, 1 Absent**

Mr. Carter – back to the motion as repeatedly amended, which is on the full thing as was largely rewritten. **Vote: 13 Favored, 1 Absent**

#### **OZONE GAS – Synthetic (pp.503-509)**

Use 1: the committee voted 3 to 2 to add ozone to the list with the following annotation, “to be used for cleaning irrigation lines only.”

Use 2: the committee voted 5 to 0 prohibit ozone for use in weed control.

Use 3: the committee voted 5 to 0 to prohibit ozone for use in soil borne pathogen control.

**MOTION:** Dennis Holbrook

**SECOND:** Rose Koenig

To add to the list to be for “used as cleaning agent for irrigation lines only.” **Vote: 9 Favored, 4 Opposed, 1 Absent**

RECESSED: 9/18/02 – 11:30 a.m.

AFTERNOON SESSION: 1:00 P.M.

**LIVESTOCK MATERIALS – George Siemon**

**PROPYLENE GLYCOL** (pp.514-525)

**MOTION:** George Siemon

**SECOND:** Michael Lacy

To be added to 205.603(a), list of synthetic substances, allowed for use in organic livestock production with the following restriction: “only for treatment of acute Ketosis in ruminants.”

**Vote: 13 Favored, 1 absent**

**MAGNESIUM HYDROXIDE** (pp. 525-529)

**MOTION:** George Siemon

**SECOND:** Michael Lacy

Added to 205.603 (a) as a synthetic substance, allowed for use in organic livestock production with the following statement: “allowed when formulated from either natural or synthetic materials.” **Vote: 13 Favored, 1 absent**

**EPINEPHRINE** (pp. 529-540)

Epinephrine is made from the adrenal gland of hogs, and the committee declared it a natural, as a prohibited natural. Because this is a hormone, the committee was concerned about allowing this, so they tried to make it narrow, but there are other uses to be concerned about. It can be used to stimulate heartbeat, to treat bronchitis, allergic reactions, emphysema, as well as the treatment of eye disease, glaucoma, hair transplants, entropic bleeding, which is a reason to narrow the field.

**MOTION:** George Siemon

**SECOND:** Michael Lacy

Epinephrine should be added to 205.604, non–synthetic substances, prohibited for use in organic livestock production, except for emergency treatment of anaphylactic shock, to be used only once in an animal’s lifetime.

**DISCUSSION:** Ms. Caughlan questioned the rationale for the “once in an animal’s lifetime” tag. Mr. Carter stated that the rationale for “for once in a lifetime,” was to have tools available for emergency treatment, without allowing repeated treatment. Mr. Siemon stated that it was an extra annotation. Ms. Burton stated that she also had a problem with the annotation. Mr. Carter stated that the motion will have to be amended.

**MOTION:** Kim Burton

**SECOND:** Goldie Caughlan

Motion to remove the once in a lifetime prohibition. Mr. Siemon accepted **Vote: 11 Favored, 1 Abstention, 1 Absent**

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**MOTION:** The motion stands is epinephrine should be added to 205.604, non–synthetic substances, prohibited for use in organic livestock production with the following recommendation: prohibited, except for emergency treatment of anaphylactic shock. **Vote: 13 Favored, 1 Absent**

**KAOLIN PECTIN** (pp. 540-544)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Kaolin Pectin should be added to 205.603(a) as a synthetic substances allowed for use in organic livestock production with the following statement: Allowed when formulated from either natural or synthetic pectin. **Vote: 12 Favored, 1 Abstained, 1 Absent**

**BISMUTH SUBSALICYLATE** (pp. 544-546)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Bismuth Subsalsicylate should be added to 205.603(a), allowed for use in organic livestock as a disinfectant, sanitizer and medical treatment as applicable. **Vote: 13 Favored, 1 Abstained, 1 Absent**

**FLUNIXIN** (pp. 546-559)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Flunixin should be added to 205.603(a), as a synthetic allowed for use in organic livestock production with the following restrictions: For emergency medical use only, when prescribed by a licensed practitioner. Withhold time shall be double the FDA requirement.

**DISCUSSION:** Ms. Koenig sated that the TAP was not adequate in the case of this product in terms of how it's made and some of the logical impacts of the process. It appears that we're actually trying to approve a brand name which is the active plus the incipient, and that the TAP should be sent back for review before approving. She also felt that banimine trademark should be stricken. Mr. Siemon agreed and Mr. Carter confirmed that it was stricken.

Mr. O'Rell stated that we're not considering Banimine in the TAP. Banimine is the only patented form of flunixin, and so we are dealing with Banimine. There was further discussion on the motion to defer.

**MOTION:** Rose Koenig

**SECOND:** Owusu Bandele

**Motion to defer** petition until October pending more information from the TAP review. Historical use by organic farmers as well as the seventh criteria for reexamination. **Vote: 9 Favored, 3 Opposed, 1 Abstention, 1 Absent**

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Ms. Burton stated that the minutes will not be the guide in submitting more information regarding the TAP. The Board will be responsible for submitting comments to her prior to the October meeting.

The board will review the complete TAP and Kim Burton will put together and forward to the contractor by next Wednesday, 9/27/02. Patricia Smith, Center for Food and Nutrition Policy (the TAP contractor for Flunixin) will be able to review TAP by next meeting.

**XYLAZINE/TALAZOLINE** (pp. 559-578)

**MOTION:** George Siemon

**SECOND:** Mark King

Xylazine should be added to 205.603 (a) synthetic substances allowed for use in organic livestock production with the following restrictions: For emergency medical use. To be administered by a licensed practitioner. Once in an animal's lifetime. Withhold time shall be double the FDA requirement.

Talazoline should be added to 205.603(a) synthetic substances allowed for use in organic livestock production with the following restrictions: To counteract the effects of Xylazine. To be administered by a licensed practitioner. Once in an animal's lifetime. Withhold time shall be double the FDA requirement.

**MOTION:** Goldie Caughlan

**SECOND:** Nancy Ostiguy

To strike, "Once in an animal's lifetime." Motion to strike for both with the same vote. **Vote: 10 Favored, 3 Opposed, 1 Absent**

Kim Burton asked if you have in this annotation to be administered by a licensed practitioner, is that part of the requirements of this drug, and is it required that we put it in the annotation that it's only to be administered?

George Siemon stated that it's not required because it's covered somewhere else in the rule. Audience: It's a veterinarian-only drug. Therefore, Ms. Burton moved to strike the words, "to be administered by a licensed practitioner."

**MOTION:** Kim Burton

**SECOND:** Goldie Caughlan

Amend to strike, "To be administered by a licensed practitioner" for Xylazine and Talzoline. **Vote: 13 Favored, 1 Absent**

Original Motion as double amended.

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**MOTION:** George Siemon

**SECOND:** N/A

**MOTION:** Synthetic substances: Xylazine shall be added to 205.603 (a), allowed for use in organic livestock production with the following restrictions: “for emergency use and withhold time shall be double the FDA requirement,” and Talazoline to be added to 205.603 (a), allowed for use in organic livestock production with the following restrictions, “to counteract the effects of xylazine and withhold time shall be double the FDA requirements.” **Vote: 10 Favored, 1 Opposed, 2 Abstained, 1 Absent**

**BUTORPHANOL** (pp. 578-597)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Butorphanol should be added to 205.603(a) synthetic substances, allowed for use in organic livestock production with the following restrictions: For emergency medical use by a licensed practitioner, and withhold time shall be double the FDA requirement.

**MOTION:** Kim Burton

**SECOND:** Nancy Ostiguy

To strike “used by a licensed practitioner.” **Vote: 12 Favored, 1 Absent, 1 Abstained**

Phone Statement from Hugh Karreman, via Ms. Zuck : Substance is synthetic morphine commonly used for abdominal surgeries, twisted stomach. Caesarean section – emergency surgery. There are no other alternatives to this material unless you would use inhalation-type things that you would use in the hospital, anesthesia. The advantages of this product over regular morphine is that it is commercially more available, there’s only been one study in 30 years with morphine in cows, and if people knew you kept morphine in your veterinary clinic, it would be subject to theft.

Mr. Mathews stated that in the annotation, it said, “for emergency medical use,” and should that really say, “for use in conjunction with surgery rather than an emergency medical use?”

Nancy Ostiguy stated that she agreed and move to delete “emergency medical use” and substitute “for use during major surgery.”

**MOTION:** Nancy Ostiguy

**SECOND:** Dennis Holbrook

Mr. Carter clarified the motion, “to delete for emergency medical used and substitute the words, “for surgery.”

Ms. Burton commented that if we’re going to allow it and we’re going to allow a licensed veterinarian to administer it, why are we dictating how and when if it’s not just for emergency treatment? Therefore, it should not have any annotation if we’re going to say it’s only for surgery because we’re not veterinarians, and we don’t know if that’s the only time this would be administered. Kevin O’Reil seconds, and stated that setting a broken leg that wouldn’t technically be surgery, that you’d want to knock the animal out, and felt that we do need to leave it general. Therefore, Ms. Ostiguy withdrew the motion, and Mr. Holbrook agreed.

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Delete for “emergency medical use” and substitute “for use in major medical surgery.” Motion to withdraw

Ms. Ostiguy stated that she would like to amend the motion to just delete, “for emergency medical use” since it only can be used by a veterinarian.

**MOTION:** Nancy Ostiguy

**SECOND:** Michael Lacy

Mr. Carter stated that Livestock production with the following restrictions, “withhold time shall be double the FDA requirement.” There was discussion on that motion to strike the language and have substitute or just strike the language.

To strike the language “for emergency medical use” and changing “restrictions” to “restriction.”

**Vote: 11 Favored, 1 Absent, 2 Abstained**

Vote on George Siemon’s Original Motion:

To add to 205.603(a) synthetic substances allowed “for use in organic livestock production with the following restriction: withhold time shall be double the FDA requirements.” **Vote: 11**

**Favored, 1 Absent, 2 Abstained**

**POTASSIUM SORBATE** (pp. 597-634)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Potassium Sorbate should be added to 205.603 (a), synthetic substances, allowed for use in organic livestock production with the following restriction: Allowed only in livestock therapeutic products formulated using organic Aloe Vera (which is labeled “made with organic (specified ingredients or food group(s)).

**MOTION:** Nancy Ostiguy

**SECOND:** Kim Burton

To removed the restrictions, “allowed only in livestock therapeutic products formulated using organic aloe vera which is labeled made with organic, which is labeled made with organic (specific ingredients or food group(s))

AMEND MOTION: Ms. Ostiguy restated her motion to read as to eliminate the, “which is labeled made with organic (specified ingredients or food groups).”



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Mr. Riddle offered a friendly amendment to remove the word “organic” in front of aloe vera,” so that it’s allowed only in livestock therapeutic products formulated using aloe vera. Ms. Ostiguy and Ms. Burton agreed.

**FRIENDLY MOTION:** Jim Riddle                      **SECOND:** Kim Burton

To remove the word “organic” in front of the words “aloe vera,” and strike all text following “aloe vera.” **Vote: 13 Favored, 1 Absent**

**MOTION:** Kim Burton                      **SECOND:** Rose Koenig

To strike the word “therapeutic.”

**MOTION TO AMEND THE LANGUAGE:** Potassium sorbate should be added to 205.603 (a), (b), and (d), synthetic substances, allowed “only for use in Aloe Vera products.” **Vote: 13 Favored, 1 Absent**

Jim Riddle moved that this be placed in a new Section (g), and Ms. Ostiguy suggested it be called preservatives. Mr. Riddle concurred, to read potassium sorbate, and then we could change the annotation as a preservative only for use in aloe vera products.

Ms. Ostiguy motioned to do a general category, and Mr. Holbrook second, “to strike and create a new category, Section (g), that would be entitled, Preservative and then list Potassium Sorbate.

**MOTION:** Jim Riddle                      **SECOND:** Kim Burton

To strike 205.603 (a), (b), and (d), and add a new section 205.603(g) Preservatives, under which potassium sorbate would be listed. **Vote: 7 Favored, 1 Absent, 5 Opposed, 1 Abstained. Motion fails.**

**MOTION ON THE TABLE:** To add to 205.603(a), (b), and (d), “only for use in aloe vera products.”

**MOTION:** Rose Koenig                      **SECOND:** Goldie Caughlan

Substitute motion to defer until October meeting – livestock to come forth with a policy on preservative and excipients as a total policy. **Motion has been rescinded**

Mr. Riddle opposed the motion to defer, and stated that the Livestock Committee has worked long and hard on this and there’s no reason. We’re not sending it back for further TAP information or anything, because we’ve done our work, and should be ready to vote on it.

After discussion, Ms. Koenig agreed to rescind the motion. Ms. Caughlan agreed.

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ORIGINAL MOTION: Potassium Sorbate to be added to 205.603 (a), (b), and (d), synthetic substances, allowed for use in organic livestock production, only for use in Aloe Vera products.

**Vote: 13 Favored, 1 Absent**

**CELL WALL CARBOHYDRATES** (pp. 634-641)

Mr. Bandele stated that one of the TAP reviewers pointed out that it was not clear in terms of the extraction method, thereby causing problems in calling it a natural.

Ms. Burton stated that her justification for considering it a natural, even though we don't have the manufacturing process, is that it's derived from baker's yeast and that is an allowed natural. Mr. Riddle stated that there was follow-up research and the information gathered from the producer indicated extraction is aqueous. There was further discussion on the extraction methods.

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Cell wall carbohydrates are considered naturals. **Vote: 13 Favored, 1 Absent**

**YEAST DERIVATIVES** (pp. 641-643)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Yeast derivatives are considered naturals. **Vote: 13 Favored, 1 Absent**

**PROTEINATED CHELATES** (pp. 643-646)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Chelated trace minerals should be added to 205.603 synthetic substances, allowed for use in organic livestock production with the following restriction: Proteinated and Polysaccharide Chelates only. Amino Acid Chelates are prohibited.

**MOTION:** Nancy Ostiguy

**SECOND:** Mark King

**DEFERRED** and send back to TAP reviewers, Center for Food and Nutrition for further clarification. **Vote: 12 Favored, 1 Absent, 1 Opposed**

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**TASK FORCE EPA/NOP ISSUES:** (pp. 646–650)

Ms. Koenig discussed the development of a very small task force to deal with EPA/NOP issues which include the List 3 inerts discrepancies, and moving the labeling program forward. They would like to get the NOP sanction to do that.

She also stated that the EPA and NOP will have to talk to make sure that between those agencies, that that will be a formal mechanism, but what she wanted to do is see if they could seek Board approval pending the agency's approval, but this way, it would allow them to get that small task force started with perhaps a minor report in October and maybe some policy stuff at the meeting in October. Rose and Nancy will volunteered to represent the NOSB and will probably ask Eric as a past NOSB member, probably an individual from OMRI, and then maybe one or two other individuals that have some expertise in these types of issues.

**MOTION:** Rose Koenig

**SECOND:** Nancy Ostiguy

The Chair will appoint a task force to work with EPA on issues identified by Rose Koenig, and will include up to five individuals from the Board. **Vote: 13 Favored, 1 Absent**

RECESSED AT 4:00 P.M.

**RECONVENED ON SEPTEMBER 19, 2002 AT 8:15 a.m. (pp. 642-699)**

Barbara Robinson asked that all certifying agents be aware that according to section 205.501(a) (13), any entity that we (USDA) accredit as a certifying agent must accept the certification decisions made by another certifying agent accredited or accepted by USDA.

Further, certifying agents do not have the authority and cannot require other certifying agents to prove that their certificates are good.

Discussion ensued between Ms. Robinson, Ms. Koenig, Mr. Mathews, and Mr. Riddle on rule interpretation vs. rule changes regarding accreditation and compost.

**ATROPINE** (pp. 653-660)

**MOTION:** George Siemon

**SECOND:** Owusu Bandele

Atropine, a synthetic, should not be added to 205.603.

**MOTION:** Jim Riddle

**SECOND:** Rose Koenig

Deferred to October meeting; Kim Burton needs requests for more information from the TAP reviewers by 9/25. **Vote: 12 Favored, 2 Absent**

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**HEPARIN** (pp. 660-663)

**MOTION:** George Siemon

**SECOND:** Jim Riddle

Heparin, a synthetic that's used to prevent blood from clotting, should not be added to 205.603, ~~based on the fact that sodium citrate is available as an alternative.~~

**MOTION:** Rose Koenig

**SECOND:** George Siemon

On the table until later in the day, to give the Board time to find the information needed on sodium citrate. **Vote: 12 Favored, 2 Absent**

**FUROSEMIDE** ( pp.663-664)

Does not require Board action. Livestock Committee decided to return the TAP for more information. Will be taken up at October meeting.

**CALCIUM PROPIONATE** (pp.664-699)

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Calcium Propionate, a synthetic, should be added to 205.603(a) to be used in organic livestock production.

Discussion ensued regarding use of calcium propionate for use only as a treatment for milk fever vs. its use as a preservative for aloe pellets. Information on practical application was given by Dr. Leiterman.

**MOTION:** Jim Riddle

**SECOND:** Nancy Ostiguy

After discussion, Mr. Riddle stated that the intent of the motion to amend was to make it clear that use should be restricted to treatment of milk fever. After more discussion, Mr. Riddle WITHDREW the motion to amend.

Mr. Carter stated that back to the original motion which is calcium propionate should be added to 205.603(a), allowed for use in organic livestock production.

**AMENDMENT FOR MILK FEVER ONLY:** Two motions: To be allowed for use in 205.603(a) with an annotation for treatment of milk fever. And the second motion would be to send the TAP back to get further information on the use as a preservative in animal supplements and medical treatments.

**MOTION:** Rose Koenig

**SECOND:** Owusu Bandele

Calcium propionate should be added to 205.603(a), with the restriction for milk fever only. **Vote: 10 Favored, 2 Absent**

**SECOND MOTION:** Rose Koenig                      **SECOND:** Goldie Caughlan

Motion to send the TAP back for review further information on other uses of the substance in the organic industry. **Vote: 12 Favored, 2 Absent**

**ACTIVATED CHARCOAL** (pp. 699-705)

**MOTION:** George Siemon                              **SECOND:** Nancy Ostiguy

Activated charcoal, a synthetic, should be added to 205.603(a), for use in organic livestock production with the annotation that it must be from vegetative sources. **Vote: 12 Favored, 2 Absent**

Ms. Burton is recusing herself from a Processing Committee vote on this material asked if she the Board thinks she should recuse herself from the Livestock vote, too.

**MOTION:** Kim Burton asks for Board to vote on whether or not she should recuse herself on the Livestock vote. **Vote: 11 Opposed, 2 Absent, 1 Abstention**

**MINERAL OIL** (pp. 705-716)

**MOTION:** George Siemon                              **SECOND:** Nancy Ostiguy

Listed under 205. 603 synthetic substances, allowed for use in organic livestock production for topical and as a lubricant. Should have the annotation changed to add the following: “allowed for internal emergency medical use for only one instance in an animal’s lifetime.”

**MOTION:** Nancy Ostiguy                              **SECOND:** Mark King

Amend to strike “allowed for internal emergency for medical use for only one instance in an animals’ lifetime.”

Mr. Siemon stated that we need to make sure that it gets into the (a), and if you eliminate that whole sentence, you’re not going to get it into (a). Ms. Ostiguy stated that it just to clean it up, not to delete, but only to delete the annotation. Therefore, she modified her motion, to include that it goes under (a), deletes the annotation.

Modified motion to include under Section (a) and delete the annotation and add mineral oil to 205.603(a). Mineral oil would be listed under 205.603(a), allowed in synthetic substance, allowed for use in organic livestock production. Mr. King stated that this does not in any way remove it from (b), it simply adds it to (a).

**AMEND THE MOTION:** To change and insert (a) after .603, and eliminate internal emergency use only in one instance in the animal’s lifetime. **Vote: 11 Favored, 1 Opposed, 2 Absent**

Mr. Carter stated that to go back to the motion as amended, and pass with the new language.

**MOTION:** Mineral oil is a synthetic substances approved for use under 205. 603 (a), synthetic substances, allowed for use in organic livestock production. **Vote: 12 Favored, 2 Absent**

Ms. Burton concluded that we now have six materials that we deferred to the October meeting, and we will still have to get the priority from the Livestock committee and if it’s acceptable by this Board, we’ll have them reviewed in that order: Mineral oil to be deferred, calcium propionate, furosemide, atropine, flunixin, and the proteinated chelate mineral complex with the question still on the heparin.

### **PROCESSING MATERIALS – Mark King**

#### **CALCIUM STEARATE (pp.716-721)**

Mr. King stated the mineral was petitioned for use as an anti–dusting agent for baking products that are enriched with vitamins, enzymes. It was found to be synthetic by both the reviewers and the committee. The petitioner’s stated use to reduce the dust in the work environment, related to enriched or fortified baked goods.

Reviewers noted that this would be presumptuous in some ways in thinking that organic consumers want fortified products, but also found that there wasn’t any real empirical evidence that it actually was effective as an anti–dusting agent. Therefore the committee looked at the application of criteria and found the environmental information was also inconclusive, and offered the following recommendation.

**MOTION:** Mark King

**SECOND:** Goldie Caughlan

Calcium Stearate 205.605(b), synthetics allowed, to be prohibited for products labeled as “organic” and “made with organic.” **Vote: 11 Favored, 3 Absent**

#### **TETRASODIUM PYROPHOSPATE – TSPP (pp. 721-767)**

**MOTION:** Mark King

**SECOND:** Goldie Caughlan

Mr. King stated that the petitioned use in this case was as a pH buffer and dough conditioner for use in organic meat alternative products. This is actually used in an ingredient in texturized wheat protein for organic meat alternative products, such as veggie burgers. The reviewers found it to be synthetic, and also found that TSPP is a pyrophosphate that belongs in the generic classification of sodium phosphates

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Sodium Phosphates, 205.605(b), synthetics allowed, for use in dairy foods labeled as “organic” or for use only in agricultural products labeled as “made with organic-specified ingredients or food groups.”

**MOTION:** Kevin O’Rell

**SECOND:** Goldie Caughlan

Mr. O’Rell motioned to change the present annotation of *sodium phosphates*, “for use only in dairy foods labeled as organic or for use only in textured meat analog products.”

A discussion involving Mr. O’Rell, Ms. Brown-Rosen and Mr. Mathews ensued relating to the broad category of sodium phosphates, and does it include more materials than was intended.

Mr. O’Rell stated that there is a need for clarification with the current listing because sodium phosphates is a generic term and does cover a variety of orthophosphates, pry and poly. There was more discussion on the motion and Mr. O’Rell withdrew his motion.

**MOTION:** Kevin O’Rell

**SECOND:** Kim Burton

To amend the motion that tetrasodium pyrophosphate (TSP) be added to 205.605 (b) (allowed as a synthetic) with the annotation, “for use in textured meat analog products.”

Mr. Riddle referred to the *original recommendation* of the committee that it be used in products labeled “made with organic ...” and that’s how he agreed to support the material.

**MOTION:** Jim Riddle

**SECOND:** Ann Cooper

To amend the motion to state, “for use only in agricultural products labeled made with organic-specified ingredients or food groups.” **MOTION WITHDRAWN**

Mr. Carter clarified the voting level process on the motions, and indicated that there are series of layers, and stated that he wanted to make sure that he had the right one. Ms. Burton stated that there was an amendment, a new motion, to add TSP as a separate material under 205.605(b), “for use only in textured meat analog product.” He also stated that if you vote for this amendment, and if it is defeated, it goes back to Mr. O’Rell’s amendment. If Mr. O’Rell’s passes, then we go through and do the motion as amended. If Mr. O’Rell’s is defeated, it goes back to the original motion. If Mr. Riddle’s amendment passes, his language is added to Kevin’s amendment. If it is defeated, we simply go back to Kevin’s language and then we will vote again on whether that language should be used to change the original motion.

**MOTION 1:** Jim Riddle

**SECOND:** George Siemon

TSSP to allow only for use in texture meat analog products labeled “made with organic ....”  
**Vote: 4 Favored, 7 Opposed, 2 Absent, 1 Abstained. JIM RIDDLE’S MOTION FAILED. BACK TO KEVIN O’RELL’S MOTION 2**

**MOTION 2:** Kevin O'Rell

**SECOND:** George Siemon

To amend the original language; TSSP be approved under 205.605(b), allowed as a synthetic with the annotation "for use in textured meat analog products." If failed, then moved back \*Mark King's original first motion. **Vote: 8 Favored, 3 Opposed, 1 Abstained, 2 Absent**

Mr. Siemon asked if this is to allowed this substance for dairy foods, should the motion be "for use only in dairy foods labeled as organic?" Mr. O'Rell stated that we agreed we would take up at the next meeting in October the issue for clarification on sodium phosphate for use in dairy foods, and they were to be specific for orthophosphates. This is separate only as a listing of TSPP, under the motion, it would not be allowed in dairy products.

Mr. King clarified that we voted on the amendment which was approved, and voting on it to take action. Mr. Carter stated because the previous vote was only whether you prefer Mr. O'Rell's language over the original. This is why it's as two votes.

**MOTION:** TSPP is a synthetic allowed under 205.605(b) for use only in textured meat analog products. **Vote: 8 Favored, 3 Opposed, 2 Absent, 1 Abstained**

#### **HYDROXYPROPYL METHYLCELLULOSE (HPMC) pp. 767-778**

It's petitioned as an ingredient of hard capsules used for encapsulating powdered herbs. It's considered to be part of the group of compounds known as cellulose ethers or ethers. It's included on EPA's List 4-B inerts, on which EPA says have sufficient data to substantiate they can be safely used in pesticides.

Methylchloride used in the manufacturing process is considered hazardous and flammable. It is approved as a food additive and it is currently used to make hard capsules used in the herb and supplement industry as an alternative to gelatin.

So the following recommendation, Mark King moved that we consider 205.605(b), synthetics allowed, which would be HPMC made with organic only, only for hard capsule application.

**MOTION:** Mark King

**SECOND:** Goldie Caughlan

To add HPMC to section 205.605(b), synthetics allowed, with the annotation that it be used in the category "Made with organic ... " only, and only for hard capsule application. **Vote: 6 Favored, 2 Absent, 5 Opposed, 1 Abstained – FAILED**

#### **GLUCONO DELTA LACTONE – GDL pp.779-782**

It's petitioned to be added to the national list as a tofu coagulant. It's produced both naturally through fermentation and synthetically. We found out in this case the petitioner has stated that the material they use is produced through fermentation. The committee considered really in this case only GDL produced from fermentation as petitioned. It's used at a level of approximately .4 percent, and it's considered to be really the coagulant of choice for silken tofu, because it



produces kind of this gradual acidification and it initiates the curdling of the protein and then provides that silken texture. For those of you who use it, you know it can be used in sauces and different things like that.

**MOTION:** Mark King

**SECOND:** Anne Cooper

GDL to be added to 205.605(a), non-synthetics allowed. GDL produced by microbial fermentation of carbohydrate substances. **Vote: 12 Favored, 2 Absent**

**ACTIVATED CARBON** pp.783-793

It was petitioned to remove brown color from white grape juice concentrate. It's used for mechanical filtration, physically separating the suspended solids as the liquid passes through the carbon.

It has been used in the U.S. since 1929 for municipal water supplies. It's used to remove the brown color caused by oxidation, improving flavors and colors.

The committee, and TAP reviewers, unanimously found this to be synthetic, and also unanimously voted to add it to the national list as did the reviewers.

**MOTION:** Mark King

**SECOND:** Kevin O'Rell

Activated Carbon to be added to 205.605(b) Synthetics allowed: from only vegetative sources, for use as a filtering aid while recognizing the vast array of agricultural by-products (natural sources) commercially available. **Vote: 11 Favored, 1 Recused, 2 Absent**

**GLYCEROL MONOOLEATE** pp. 794-796 (**Discussion Document**)

**MOTION:** Kim Burton

**SECOND:** Jim Riddle

**MOTION TO WITHDRAW:** Petitioner withdrew the petition. Board will withdraw the petition, as requested by the petitioner. **Vote: 10 Favored, 2 Recused, 2 Absent**

RECESS AT 11:30 A.M.

RECONVENED ON SEPTEMBER 19, 2002, AT 1:30 P.M. p.801

**LIVESTOCK MATERIALS** – George Siemon

Broaden 205.603 pp. 801-813

**MOTION:** George Siemon

**SECOND:** Nancy Ostiguy

Revising the Feed Additive Motion 3 decision at the May meeting. *See May Meeting Minutes, pg. 15 of 24 for discussion document.*

**MOTION:** NOSB recommends an addition of a new 205.603(g), all materials as annotated in 205.605 can be used in organic livestock production subject to FDA or AAFCO regulations.

**Vote: 11 Favored, 1 Abstained, 2 Absent**

**HEPARIN** pp. 813-817

**MOTION:** George Siemon

**SECOND:** Kevin O'Rell

Heparin should not to be added to 205.603, based on the fact that it is a synthetic and that there's already an alternative (sodium citrate) on the list. **Vote: 11 Favored, 1 Opposed, 2 Absent**

**CROPS MATERIAL – VOTE RECONSIDERATION**

**CHILEAN NITRATE – SPIRULINA PRODUCTION** pp. 817-858

**MOTION:** Nancy Ostiguy

**SECOND:** Dennis Holbrook

To reconsider the TAP decision on chilean nitrate in the use of Spirulina production. **Vote: 12 Favored, 2 Absent**

Ms. Ostiguy stated that part of the confusion was to figure out exactly what was the motion that was passed because of a bunch of amendments. The motion that was passed was to maintain the current restriction on sodium nitrate use to no more than 20 percent of the nitrogen input for the spirulina. Therefore, she moved to add, "unless restricted to 20 percent of the crop's total nitrogen use, chilean nitrate can be used in an unrestricted manner in spirulina production until October 21, 2005.

**MOTION:** Nancy Ostiguy

**SECOND:** Ann Cooper

A discussion initiated by Ms. Ostiguy ensued highlighting why spirulina production was 1) different for other crop production in its need for nitrogen and 2) why it isn't hydroponic production. A member of the audience, Mr. Belay, explained a naturally occurring spirulina production system in Chad involving flamingos and his own split spirulina operation.

Not to change the current annotation which allows for “Chilean nitrate use not to exceed 20 percent of the total nitrogen supplied to the crop, or until 10/21/05, for unrestricted use in Spirulina production. **Vote: 9 Favored, 2 Absent, 3 Opposed**

Rick Mathews pointed out that there is some confusion among producers regarding the annotation as it now stands. Mr. Mesh gave an explanation of that. Dave Carter asked the Crops Committee to look at the language and come back with a recommendation at the October meeting.

DISCUSSION LED BY FMI’S DEBRA WHITE ON RETAILING AND PROCESSING pp. 859-875

**LIVESTOCK PRESENTATION** – (Discussion Document)

**DAIRY ANIMAL REPLACEMENT RECOMMENDATION** – George Siemon pp. 877-888

George Siemon presented the committee’s revised recommendation, and asked that it be posted on the NOSB website for a 30-day comment period.

**OTHER BUSINESS** pp. 889-904

Mr. Carter motioned and informed everyone that Secretary Veneman disclosed that she has been diagnosed with breast cancer and requested that the Board draft a letter expressing our concern for her health and best wishes. Goldie Caughlan seconded. Vote: Unanimous

**NEXT MEETINGS:**

Mr. Mathews stated that the next NOSB meeting scheduled for October 19 and 20 and the rollout on Monday, October 21, in Washington, DC.

NOSB – Austin, Texas – May 13–15, 2003, with a travel day on the 12<sup>th</sup>

Executive Committee Conference Call – September 24<sup>th</sup> – 4:00 p.m.

**RECOMMENDATION:**

Materials Review Task Force to review the whole process for materials adoption, what we like to recommend for Livestock and Processing to work through those two committee structures and come forward with some things to talk about at the October meeting.

**PUBLIC COMMENTS** – September 19, 2002 at 5:00 p.m. pp. 904-

The following individuals presented public comments. Each person's comments were recorded and transcribed for the record. Some individuals also presented written comments. Transcribed comments can be found at the designated page numbers.

Tom Harding, Agrisystems International (p. 905)  
Dr. Dan Leiterman, Crystal Creek, (p. 918)  
Marty Mesh, by proxy for Jim Pierce (p.920)  
Leslie Zuck, Pennsylvania Certified Organic (p. 937)  
Cissy Bowman, Indiana Certified Organic (p.943)

**MEETING ADJOURNED, September 19, 2002, at 5:55 p.m.**