FINAL MINUTES OF THE NATIONAL ORGANIC STANDARDS BOARD FULL BOARD MEETING **AUSTIN, TEXAS** OCTOBER 31 - NOVEMBER 4, 1995

| <u>2</u> <u>3</u> | The initial session of the National Organic Standards Board (NOSB) meeting was called to order at 8:09 a.m. by Chairperson Bob Anderson. |
|----------------------|--|
| 4 5 6 7 | Members in attendance were: Tom Stoneback, Craig Weakley, Dean Eppley, Don Kinsman, Merrill Clark, Michael Sligh, Bob Anderson, Gene Kahn, K. Chandler, Rod Crossley, Fred Kirschenmann, Kathleen Merrigan, and Margaret Wittenberg. Participating at this meeting as the certifying agency advisor to the NOSB was Tom Tomas of Farm Verified Organic, Inc. |
| 8 9 10 11 | National Organic Program staff members present from USDA were: Michael Hankin, D. Ted Rogers, Michael Johnson, Toni Strother, and Grace Gershuny. Also in attendance from the USDA was Eileen Stommes, Director of the Transportation and Marketing Division, Agricultural Marketing Service (AMS). |
| · 2 .3 14 | The Technical Advisory Panel Coordinator present at the start of the meeting was Zea Sonnabend. John Brown was expected to arrive later, along with advisors Rich Theuer, Lynn Coody, Brian Baker, and Bill Wolf. |
| <u>15</u> 16 | Eileen Stommes opened the initial session by commenting on the aggressive agenda set forth by the NOSB. She thanked the Board for its work and noted that the recommendation process is |

<u>20</u> <u>21</u>

<u>17</u>

<u>18</u>

<u>19</u>

1

October 31, 1995

<u>22</u> On behalf of the NOSB and the USDA, Bob Anderson recognized the retiring Board members and presented them with mementos. Those Board members included: Merrill Clark, Don <u>23</u> 24 Kinsman, Tom Stoneback, and Craig Weakley. Michael Sligh was recognized for his service (1992-1995) as the first Chairperson of the NOSB.

bringing together everyone in the organic industry.

<u>25</u>

Eileen Stommes followed with a presentation to Bob Anderson for his dedication and leadership as the previous year's chairperson.

winding down simultaneously with a decline in Federal Advisory Committee funding. She also

pointed out that there is still much work to do, and the USDA is committed to a timely proposed

rule in 1996. She closed by again thanking the NOSB for its commitment and dedication to

<u>27</u>

26

<u>28</u>

<u> 29</u>

<u>30</u>

Brent Wiseman, Organic Programs Director for the Texas Department of Agriculture (TDA), thanked the USDA and NOSB for selecting Austin, Texas, as the host site for this meeting. The Texas Department of Agriculture Deputy Commissioner, Larry Soward, followed with some

- remarks. Mr. Soward discussed the history and current status of the TDA Certification Program and noted the lack of organic livestock standards both in Texas and nationally.
- USDA Staff Report Operations Manager Michael Hankin proceeded with an update on the
- National Program activities and program direction, explaining that Program Leader Harold
- Ricker was in Costa Rica at the Bio Fair and wished very much that he could be present at this
- meeting. Hankin first reviewed the funding status for FY '95 and briefly discussed the projected
- program funding for FY '96. It is expected that the NOP will retain the same level of funding as
- 38 FY '95 (\$500,000), along with a cost of living adjustment (\$100,000).
- He also reported that there will be a five thousand-dollar reduction in funding for the Board, from
- forty-five thousand to forty thousand dollars. It is expected that next June would be the first
- possible meeting date in calendar year 1996. As a note, the nominations for new Board members
- are officially closed. The Department received seventeen nominations for the five positions.
- 43 Hankin followed with information about a number of staffing changes in both the Department
- and in the Transportation and Marketing Division (TMD). Former Acting Assistant Secretary for
- Marketing and Regulatory Programs, Patricia Jensen, was replaced by Michael Dunn; TMD has a
- new director Eileen Stommes, and deputy director, Paul Kepler. TMD also has completed an
- internal reorganization, and the NOP has acquired an additional staff member, Toni Strother.
- Toni will be assisting the staff in many areas, including database management.
- Next, Hankin reported on the status of the proposed rule. The second draft of the Accreditation
- portion of the program was recently delivered to the Office of General Counsel (OGC). He then
- went on to announce that the accreditation program will be published along with the other
- sections of the program. In closing, Hankin urged the Board to make recommendations on the
- materials that are up for review, and to avoid tabling materials. He went on to encourage the
- Board to utilize the materials experts at the meeting (i.e., Zea Sonnabend, Lynn Coody, Brian
- Baker, Tom Tomas, John Brown, and Rich Theuer) to supplement data gaps in the review
- 56 notebooks.

<u>57</u>

LIVESTOCK COMMITTEE REPORT:

- 58 Fred Kirschenmann began the livestock committee's session by calling attention to Paul
- Thompson's deliberations on the "Spirit of the Soil" and reminded everyone of the overall
- objectives of the Board's mission. He also noted that the following committee documents were
- up for Board approval: 1) The Use of Antibiotics in Organic Livestock Production; 2) The Use of
- Parasiticides in Organic Livestock Production; 3) TAP Review of Antibiotics and Parasiticides in
- Organic Livestock Production; 4) TAP Review of Vitamins and Minerals in Organic Livestock
- Production; 5) TAP Review of Innoculants and Vaccines in Organic Livestock Production;
- 65 6) The Use of Innoculants and Vaccines in Organic Livestock Production; and 7) Revisions to
- the NOSB Livestock Addendums for Organic Livestock Production.

- The Use of Antibiotics in Organic Livestock Production & The Use of Parasiticides in Organic
- <u>68</u> <u>Livestock Production</u>.
- 69 (One combined vote was taken for both documents.) Merrill Clark noted that many persons had
- 20 expressed the opinion to the committee that parasiticides and antibiotics were not needed. Fred
- <u>71</u> followed by stating that the purpose of this recommendation is to present a laying hen
- 72 recommendation that is consistent with the NOSB's dairy recommendation. Gene Kahn moved
- and it was seconded by Rod Crossley to accept the document as a Board Final Recommendation
- 74 (BFR). Vote: Yes 10, Opposed 3. Motion carried.
- 75 TAP Review of Antibiotics and Parsiticides in Livestock Production.
- 76 Prior to a motion to accept this document as a BFR, Merrill presented the idea that antibiotics
- and parasiticides should be individually reviewed within the Technical Advisory Panel process.
- <u>78</u> Bob Anderson followed with two recommended changes to the document prior to the motion for
- approval a) delete at line 39 "most likely to be" and b) add a two-year review clause to the
- 80 document. There were no objections to the changes and Rod Crossley moved to accept the
- document as amended as a BFR. It was seconded by Gene Kahn.
- 82 Vote: Yes 11, Opposed 1, Absent -1. Motion carried.
- 83 TAP Review of Synthetic Vitamins and Minerals in Livestock Production.
- Merrill pointed out that the statement of principle that was used as a preface in the two previous
- documents was missing. Gene spoke to her concern, noting that lines 30-36 did in fact provide
- 86 the principle for the committee's thinking. Prior to the motion for approval, Bob once again
- 87 offered the addition of a "two year review clause" and also recommended amending lines 28-29
- 88 to read "Producers often may not be able to control the quantity of vitamins and minerals
- 89 naturally occurring in feedstuffs." There were no objections. Mike Hankin noted that a list of
- those supplements (which are to be used in the program) are published in the Federal Register
- and are all Generally Recognized as Safe (GRAS) by the FDA. Gene moved and it was seconded
- by Tom Stoneback to accept the document as amended as a BFR.
- Vote: Yes 11, Opposed 1, Absent 1. Motion carried.
- <u>TAP Review of Innoculants and Vaccines in Livestock Production.</u>
- Bob Anderson recommended the following changes: a) delete "unrestricted" in line 12;
- b) substitute "deferring initial TAP review of innocculants and vaccines" for "forgoing TAP
- review of innoculants and vaccines"; and c) add a two-year review clause. There was unanimous
- 98 agreement on the changes. Gene moved and Dean Eppley seconded a motion to accept the
- document as amended as a BFR. Vote: Yes 12, Opposed 0, Absent 1.
- <u>The Use of Innocculants and Vaccines.</u>
- 101 The following changes were accepted as amendments to the document prior to the motion for

| 102 103 104 | approval: a) Line 10 - delete the word "unrestricted" and b) Line 16 - Change the word "is" to "may be." Rod then followed with a motion to accept the document as amended. K. Chandler seconded the motion. Vote: Motion carried unanimously to accept the document as a BFR. |
|--|---|
| 105 106 107 108 109 110 | Organic Livestock Production. (This recommendation is a compilation of changes to be made in the Organic Livestock Production Standards section of the NOSB Final Recommendations adopted June 1-4, 1994 in Santa Fe, New Mexico.) The changes reflect new language for the a) veterinarian-client relationship and b) the removal of "growth promoters" from the document Craig Weakley moved and it was seconded by Gene to accept the recommendation as amendments to the BFR approved in June 1994. Vote: Motion carried unanimously. |
| 111 | BREAK. |
| 112 | PROCESSING, HANDLING, AND LABELING COMMITTEE: |
| 113 114 115 116 117 118 | Following the break, the Board resumed business at 10:20 a.m. to discuss the PHL committee's new recommendations to the full Board. The following documents up for approval included: 1) Additions to "General Organic Food Labeling Standards"; 2) Allowable Methods of Oil Extraction; 3) Modification of "Requirements for Handler Certification"; 4) Addition of Synthetic Magnesium Chloride to National List; 5) Use of Nutrient Supplementation in Organic Foods; 6) Use of Natural Flavors in Organic Foods; and 7) Incidental Food Additives in Organic Foods. |
| 120 | General Organic Food Labeling Standards. |
| 121 122 123 124 125 | It was noted that approximately 90% of the General Organic Food Labeling Standards have already been passed as NOSB Final Recommendations. The additions represent reiterations and clarification; all information listed in the document has been reviewed for consistency with the OFPA. Gene moved and it was seconded by Bob to accept the document as and addition to the existing Board final recommendations. Vote: Yes - 10, Opposed - 1, Absent - 2. Motion carried |
| 26 | Allowable Methods of Oil Extraction. |
| 27 28 29 30 31 32 | Michael Sligh moved and it was seconded by Dean to accept the document as a Board final recommendation. Discussion followed, and Mike Hankin commented on the language in lines 34-37 regarding hexane. He went on to ask if it was the intent of the committee to prohibit hexane use in the non-organic ingredient components of organic foods and foods "made with organic ingredients," as the language seemed to imply. Craig followed by saying that this is the committee's intent. Vote: Motion carried unanimously. |
| | |

Requirements for Handler Certification.

<u>133</u>

<u>134</u>

| <u> </u> | both additions and deletions to an NOSB | final recommendation, | adopted on June 4, | 1994, in |
|----------|---|-----------------------|--------------------|----------|
|----------|---|-----------------------|--------------------|----------|

- Santa Fe, New Mexico. The proposed changes are as follows: a) Line 27- delete the word
- "should"; b) Line 27 add after the word 'integrity' -- "and the audit trail"; c) Line 29 delete
- the word "distributors"; d) Line 30 add after the word 'retailers' -- "and distributors who
- process¹ [OFPA Section 2103 see below] and substantially transform repack or relabel";
- e) Line 56 add footnote number 1 "OFPA Section 2103 Definitions (17) Processing. The term
- "processing" means cooking, baking, heating, drying, mixing, grinding, churning, separating,
- extracting, cutting, fermenting, eviscerating, preserving, dehydrating, freezing, or otherwise
- <u>manufacturing</u>, and includes the packaging, canning, jarring, or otherwise enclosing food in a
- <u>container.</u>"; and f) Line 80 add after 'under the' -- "OFPA only if they both take title to the
- organic products and substantially transform, or process, or repackage or relabel these
- <u>146</u> products."
- 147 During the document discussion, Michael Sligh commented that there should be some language
- in the definitions to deal with the effect of this recommendation on co-ops. Craig and Margaret
- responded by noting that the committee will address the issue of co-ops and retailing for the next
- 150 meeting. Rod moved and Gene seconded a motion to accept the additions and deletions as noted
- in the document. Vote: Motion carried unanimously.

152 Addition of Synthetic Magnesium Chloride to National List.

- Rod began the discussion by commenting on the industry's mislabeling of magnesium chloride
- as "nigari". Margaret Wittenberg went on to reiterate that most of the industry is using synthetic
- magnesium chloride. Just prior to a motion for Board approval, Ted Rogers noted that the FDA does not recognize "nigari" as an ingredient; therefore, the use of the word is prohibited. Kahn
- noted that lines 44-48 should not have been included. Rod moved and Gene seconded the
- 158 motion to accept the document and he also recommended the addition of the word "be" after the
- word 'should'. Vote: Yes 12, Opposed 0, Abstain 1. Motion carried.

<u>Use of Nutrient Supplementation in Organic Foods.</u>

- 161 Michael Sligh began the discussion by asking for clarification on what "independent professional
- organizations" are. Rod noted they have no commercial interest in the matter of which vitamins
- or minerals are used in foods. Merrill then expressed her concern over the addition of accessory
- nutrients, as well as the categorical acceptance of a large group of vitamins and minerals. Craig
- clarified that the PHLC was not recommending that vitamins and minerals for human
- consumption be exempted from the National List process. Gene moved and it was seconded by
- Tom to accept the document as a BFR with two small changes which included a) Line 16 delete
- the word 'must' and replace it with "may"; and b) Line 32 add "and fortification" after the
- word 'enrichment'. Vote: Yes 12, Opposed 1. Motion carried.

| ose of trataral tavors in Organic roods (1 roposal #2). | <u>170</u> | Use of Natural Flavors in Organic Foods (| Pro | posal #2) | |
|---|------------|---|-----|-----------|--|
|---|------------|---|-----|-----------|--|

- 171 It was noted that the original draft of this document went out for public comment and has been
- responded to. It was also stated that the intent of this document is to prohibit propylene glycol
- and artificial preservatives. This document differs from the previously submitted Committee
- recommendation in that this recommendation clearly delineates separate guidelines for "organic
- foods" and "foods made with organic ingredients". Gene went on to describe his research on
- flavor houses, and his findings show that there are no flavor houses currently producing organic
- natural flavors, but one is starting to carry some with no synthetic carriers, solvents, or
- preservatives. He cited competitive market forces in the industry as future incentive for the
- production of organic natural flavors. Rod moved and it was seconded by Gene to accept the
- revised recommendation as a BFR. Vote: Motion carried unanimously.

181 Incidental Food Additives in Organic Foods.

- 182 Tom Stoneback inquired as to whether or not there were trade secret issues at hand when
- 183 discussing processing aids. Rod responded by stating that the substances in question can be
- disclosed to a certifier and that label declaration is not the answer. Merrill followed with
- 185 comments acknowledging the applicability of this recommendation to "foods made with organic
- ingredients," but contested applying it to "organic foods" as well. Craig went on to review the
- committee's longstanding debates over this issue and the need to bring it to resolution. Tom
- 188 moved and it was seconded by K. Chandler to accept the recommendation as a BFR.
- Vote: Yes 9, Opposed 3, Abstain 1. Motion carried.

190 LUNCH BREAK.

- 191 The Public Input session followed the lunch break. The meeting was adjourned for the day at
- 5:30 p.m. after the public input session.

November 1, 1995

_ _ _

CROPS COMMITTEE REPORT: 194

- The meeting was called to order at 8:00 a.m. by chairperson Bob Anderson. 195
- 196 Members in attendance were: Tom Stoneback, Gene Kahn, Jay Friedman, Rod Crossley, Craig
- 197 Weakley, Dean Eppley, Don Kinsman, Merrill Clark, Michael Sligh, Bob Anderson, Margaret
- Wittenberg, K. Chandler, Fred Kirschenmann, and Kathleen Merrigan. Participating as the 198
- certifying agent advisor to the NOSB was Tom Tomas of Farm Verified Organic. <u>199</u>
- 200 Staff members present from USDA were: Michael Hankin, D. Ted Rogers, Toni Strother, Grace
- **201** Gershuny, and Michael Johnson.
- 202 Technical Advisory Panel Coordinators present were: Zea Sonnabend, John Brown, and Rich
- 203 Theuer as facilitator.
- 204 The following Crops Committee documents were up for discussion and approval at this session:
- **205** 1) Phase-Out of Chilean Nitrate; 2) Banana Planting Stock; 3) Emergency Spray Exception:
- **206** 4) Ban on Petitioned Materials; 5) Definitions and Interpretations; and 6) NOSB Materials
- 207 Review Criteria.

<u>∡∪8</u> Phase-Out of Chilean Nitrate.

- 209 Grace Gershuny briefly discussed the use of chilean nitrate in an organically managed system,
- <u>210</u> noting that its use would still be within the context of the NOP standards. She also made
- reference to chilean nitrate and international standards -- it is not the intent of the NOP to make 211
- 212 our standards identical to other country's standards. In fact, the USDA will work towards
- harmonization and agreements where organic principles are the foundation and we will need to <u>213</u>
- acknowledge minor differences. Michael Sligh added that a phase-out will increase the use of 214
- chilean nitrate and not decrease it. K. Chandler followed with his support for the allowance of **215**
- chilean nitrate, mindful of its minor use importance to some organic farmers. Jay expressed his **216**
- non-support, citing the possible increase in use as Sligh mentioned earlier in his comments. <u>217</u>
- Gene then cited that the USDA's Organic Farm Plan scrutiny will deal with its overuse and **218**
- abuse. K. Chandler moved and it was seconded by Bob Anderson, who after agreement from the <u>219</u>
- Board, added a two-year review clause. The annotation would limit use to 20% of the total <u>220</u>
- <u>221</u> nitrogen supplied to a crop. Vote: Yes - 8, Opposed - 6. Motion fails.
- <u>222</u> In a separate discussion, the Board again discussed Chilean Nitrate use and subsequently passed
- the following proposal regarding chilean nitrate; Vote: Yes 13, Opposed 1. **223**

| <u> 225</u> | The use of Chilean Nitrate (16-0-0) in organic crop production is limited to not more than 20 |
|-------------|--|
| <u> 226</u> | percent of total nitrogen supplied to a crop. The producer's Farm Plan shall contain specific |
| <u> 227</u> | provisions and strategies designed to substantially reduce the use of Chilean Nitrate over time. |
| <u> 228</u> | The amount and timing of these reductions will be consistent with documented site specific |
| <u> 229</u> | constraints. The Farm Plan will seek to explore each and every alternative to the routine use of |
| <u>230</u> | Chilean Nitrate in the farming system. These alternatives include, but are not limited to, |
| <u> 231</u> | composting, improvement of compost, leguminous cover crops, interplanting, rotations, |
| 200 | |

microbial enhancements, animal manures, varietal selections, planting date alterations, and <u>232</u>

233 reducing amounts of applied supplemental nitrogen. The timing and efficiency of Chilean 234 Nitrate application shall be optimized and documented in the Farm Plan. Certifiers will monitor

progress in the reduction of Chilean Nitrate use and will decertify farmers that develop long term 235 236

dependence on this material. Strong farmer commitment, aggressive action, and measurable

results are all necessary elements of this special use of Chilean Nitrate.

This policy shall be reviewed within two years.

Banana Planting Stock.

224

237

238

239

- 240 Michael Sligh commented on the implication of large scale tissue culture use, and its relationship
- 241 to a lack of genetic diversity (pressures of identical crops on the ecosystem). Bob moved and it
- was seconded by Rod to accept the banana document as a BFR after making a minor correction 242
- 243 to line 12: change 'seed' to "sucker".
- **244** Vote: Yes - 13, Opposed - 1. Motion carried.

Chilean Nitrate Special Use Guidelines

- **245** Emergency Spray Exception.
- **246** Michael Sligh moved and it was seconded by Dean to accept this document as written. No
- <u>247</u> discussion ensued. Vote: Motion carried unanimously.
- <u>248</u> Ban on Petitioned Materials.
- <u> 249</u> Rod Crossley moved and it was seconded by Craig Weakley to accept this document. It was
- noted that the document had not previously been distributed to the NOSB or USDA staff. The **250**
- <u>251</u> substances listed on the document were: glyphosate, thiram, benomyl, captan, and methoxychlor.
- During the discussion, Ted Rogers explained that these petitioned materials were standards <u>252</u>
- <u>253</u> issues, rather than a national list issue, in that their use is prohibited on the farm, but that seed
- **254** purchased may have been treated with one of these substances. Jay Friedman also expressed
- concern over the legality of the recommendation, but supports its underlying principle. Kahn 255
- **256** explained that by approving this document, the NOSB is deciding without a TAP review, but its
- <u>257</u> knowledge of a material, that it does not meet the seventh criteria in Section 2119(m) of the
- OFPA (compatibility) and therefore does not need to undergo a TAP review to evaluate its **258**

- environmental impact. Vote: Yes 13, Opposed 0, Absent 1. Motion carried unanimously.
- <u>Definitions and Interpretations.</u>
- 261 (This document includes a new section which defines a synthetic analogue, and refines several
- 262 definitions that were on the previous version of this document.) Fred K. moved and it was
- seconded by Rod to accept this document as a BFR. Prior to a vote, there were several
- amendments added to the document. Michael Sligh proposed two technical amendments, both
- 265 regarding rRNA and rDNA: a) Line 71-72 should read as follows: "Recombinant RNA & DNA
- 266 Techniques. Techniques that artificially break apart and recombine DNA and RNA molecules
- with the intent or altering genetic instructions," and b) Line 37 add after 'recombinant DNA' --
- "and RNA techniques". Kathleen then recommended the addition of "and musi contain only
- dead organisms." after the word 'organism' in line 48. Vote: Motion carried unanimously.
- Needing clarification of lines 90-95, Jay received the response from Grace that this new
- definition will serve as an additional reference and decision making tool. The discussion
- 272 concluded as Craig moved and it was seconded by Rod to add at the end of the sentence on line
- 273 92: "provided that the synthetic material is on the National List." Vote: Motion carried
- 274 unanimously.
- 275 NOSB Materials Review Criteria.
- Grace led the discussion for this document, and noted that it was established to expand the intent
- of the OFPA criteria listed in section 2119(m)(7), "compatibility with a system of sustainable
- agriculture". She noted that this document would be helpful to the staff in providing guidance
- for classifying petitioned materials that were questionable as to whether they fit within the
- 280 context of the national program. Grace went on to explain that the document was late in its
- evolution, but should nonetheless assist the Board in its materials review and evaluation. Fred
- 282 moved and it was seconded by Kathleen to accept the document, deleting the following in lines
- 283 48-49: "Example: pBO. Also, rDNA produced biofungicides might get serious consideration
- here if they are a good alternative for copper and don't violate criterion #1 above." Vote: Yes -
- 285 10, Opposed 3, Absent 1. Motion carried. Following acceptance of the document, Jay moved
- and it was seconded by Merrill to add the following amendment at line 10: "However, no
- 287 material may be consistent with organic agriculture and appear on the National List in the
- 288 absence of a strong factual showing in scientific criteria."
- Vote: Yes 11, Opposed 0, Abstain 2, Absent 1. Motion carried.
- Following the document discussions, Tom Stoneback briefed the Board on sewage sludge and
- bio-solids. Fred urged that the material be moved forward to the TAP and that information
- 292 collection should continue. The Board was in agreement with Fred's suggestion.
- 293 <u>Discussion Paper: Organic Principles, Standards Development, and Farm Plan</u>
- Requirements. This paper was prepared by the National Organic Program staff at the request of
- the Crops Committee, to help clarify how they are looking at the criterion of progressive

- improvement as it relates to anticipated NOP Standards and Organic Farm Plan provisions.

 During the discussion, Craig noted that the use of the word "Tolerated" seems to have a negative connotation and use of the word "Restricted" appears to be a better choice and add more clarity to its meaning. Michael Sligh recommended that the NOP take a look at the Texas ten-point evaluation system. Fred agreed to bring forth a proposal to develor a tackform to all the standards.
- evaluation system. Fred agreed to bring forth a proposal to develop a taskforce to add to the
- discussion paper's high points.

ACCREDITATION COMMITTEE DISCUSSION:

303 Use of Private Seals.

302

- Fred Kirschenmann led the discussion on the use of private seals. He explained why the private
- certifiers want this particular option; Michael Sligh expressed his support for the document. Jay
- dissented, and spoke to the additional confusion that this will cause in a national program. He
- also noted that there were a number of unresolved questions in the document and pointed out that
- there had been no public input on the document. Gene rejected the idea of "seal use" to promote
- producer achievements and production abilities, and the massive consumer confusion that this
- would cause. There was additional comment on the paper, and then it was brought to a vote 5
- aye / 6 opposed / 3 abstentions. The motion failed.
- In a separate discussion, the issue of private seal usage was revisited on Thursday, November 2.
- Kathleen began by reading a new proposal, and Fred continued to assert the need for certifier seal
- usage, because much time and energy have been spent on their development and market
- recognition. He cited the ability of seals to be indicative of other claims related to practices and
- standards, e.g., safe for the chemically sensitive. Bob concurred on the right to continue seal
- usage, but noted that they should not serve as barriers to trade nor should they create further
- market confusion. Rod agreed as well, but rejected the notion of making superior claims with
- seals. Fred insisted the issue was differentiation, and that certifiers should secede if this
- <u>320</u> provision was denied. Gene also agreed with allowing private seal usage, but objected to
- 321 superior claim implications associated with their use. Kathleen defended the "chemically
- sensitive" example as being above and beyond the organic claim; Tom Stoneback questioned its
- place or applicability to a national organic program. As the discussion came to a close, Rod
- moved and it was seconded by Craig to accept the new seals proposal as amended. Vote: Yes -
- 12, Opposed 1. Motion carried unanimously. Listed below is the proposal as amended and
- 326 approved.
- <u>327</u> <u>SEALS</u>
- 328 (A) A certifying agent may permit the use of its seal, logo, or trademark on product labels to:
- (a) denote affiliation with or membership in the applicable private certification program or organization;
- (b) indicate the state or region of origin of the product; and/or (c) designate claims on the

| | part of the producer, processor, or product not covered under Sections XXX (organic production |
|--|---|
| <u>333</u> | standards and National List). |
| <u>334</u> | (B) A seal, logo, or trademark shall not be used: |
| <u>335</u> | (1) to restrict trade or prevent procedures or processors from being certified in |
| <u>336</u> | accordance with the Act; |
| <u>337</u> | (2) to imply that products so labeled are superior to other products produced in |
| <u>338</u> | accordance with Sections XXX (organic production standards and National List); |
| <u>339</u> | (3) to imply USDA accreditation of certifying activities for claims not covered under |
| <u>340</u> | Sections XXX (organic production standards and National List); and shall not be |
| <u>341</u> | (4) required to be displayed on any product offered for sale as "organic" or "organically |
| <u>342</u> | produced" as a condition of certification. |
| 343 344 345 346 | Next, a document, developed by the Organic Certifiers Caucus organization, was circulated which suggested a new approach for selecting future NOSB meeting certifier representatives. The document will be considered by the Accreditation Committee before recommending future temporary certifier positions to the Executive Committee. |
| 347 | Code of Ethics. |
| 348 349 350 351 | Fred then moved on to the Code of Ethics document, but noted that he did not expect a vote at this time on it. He subsequently led a paragraph by paragraph discussion and met significant opposition to the concept of such a document. Jay moved and it was seconded by Merrill to table the document and to review it again later in the week. The NOSB consented in the majority. |
| <u>352</u> | INTERNATIONAL COMMITTEE: |
| <u>353</u> | Fumigation Tables |
| 354 355 356 357 358 359 | In response to inquiries regarding the fumigation and subsequent status of organically grown fresh fruit and vegetables that are imported into the United States, the NOP, in consultation with the Plant Protection and Quarantine (PPQ) division of the Animal and Plant Health Inspection Service (APHIS), developed a set of "fumigation" tables. Michael Johnson briefly discussed the tables and answered several questions posed by the NOSB and other meeting attendees. There is a copy of the cover letter and tables included in the minutes. ¹ |

¹See Attachment 2, entitled Fumigation Tables.

| 360 Materials Discussion |
|--------------------------|
|--------------------------|

- As an introduction to the materials review session, Kathleen commented on the recent request to
- change an NOSB member's vote registered during the NOSB meeting in Orlando in April 1995.
- Craig suggested that at the close of each vote, a final tally should be announced so as to ensure
- accuracy. All Board members were in agreement with this suggestion and further determined
- that the burden was on the NOSB member to ensure the accuracy of votes; vote tallies would be
- official as recorded at the end of the voting day. Bob went on to review the Materials Oversight
- Working Group conclusions and the NOSB voting procedures and noted that the synthetic/non-
- synthetic decision will be a simple majority and abstentions are counted as a "no" vote, absences
- don't count toward the majority, and 2/3 of the NOSB must be present to conduct a vote.
- The second round of the NOSB materials review began with the review of processing materials.
- The round was coordinated by former NOSB Processing committee chairperson, Rich Theuer,
- Ph.D. Dr. Theuer was also a leading reviewer for a number of the processing materials.
- The following notes represent the NOSB materials voting process that occurred during the
- remainder of the week. The notes detail the actual votes on each material and some general
- comments and discussion notes. They are listed in the order in which they appear in the
- document "Summary of NOSB Recommendations for Materials Considered at Austin, Texas,
- November 1995" that was distributed to the persons on the public mailing list in January 1996.

378 Processing Materials

- Calcium Carbonate Reviewed by Rich Theuer, Bob Durst, and Joe Montecalvo.
- Determined to be non-synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote Unanimous.
- 383 Cornstarch (Native) Reviewed by Joe Montecalvo and Rich Theuer.
- <u>384</u> Determined to be non-synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote Unanimous. Discussion: Bob Anderson noted and it was agreed upon by the Board that
- they were only voting on native and unmodified starches.
- 388 Cultures, Dairy Reviewed by Rich Theuer.
- Determined to be non-synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote Unanimous. Annotation: Bacteria may not be a product of rDNA technology.
- 392 Gums (Water Extracted Only Arabic, guar, locust bean, and carob bean) Reviewed by
- Joe Montecalvo and Rich Theuer. Determined to be non-synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;

- Vote Unanimous. Annotation: Water extracted only.
- Discussion: Bob Anderson made a motion and it was seconded by Rod Crossley to include the 396
- above listed annotation for gums. Vote: 12 aye / 2 opposed. Motion carried. <u>397</u>
- <u>398</u> Yeast, Autolysate - Reviewed by Joe Montecalvo and Rich Theuer.
- Determined to be non-synthetic; Vote: 13 aye / 0 opposed / 1 abstention. <u> 399</u>
- 400 The NOSB's decision is to allow this material for use in organic food processing;
- Vote: 13 aye / 1 opposed. Annotation: Yeast (used for source) that is a product of rDNA **401**
- technology is prohibited. Discussion: Merrill expressed her belief that this material is a form of **402**
- MSG in disguise. Rich followed by indicating that this material is a natural hydrolysate, and not **403**
- a concentrated synthetic, as are MSG's. 404
- 405 Yeast, Bakers - Reviewed by Joe Montecalvo and Rich Theuer.
- 406 Determined to be non-synthetic; Vote: 13 aye / 0 opposed / 1 abstention.
- The NOSB's decision is to allow this material for use in organic food processing; 407
- **408** Vote: 12 aye / 1 opposed / 1 abstention.
- <u>409</u> Annotation: Yeast (used for source) that is a product of rDNA technology is prohibited.
- 410 Yeast, Brewers - Reviewed by Joe Montecalvo and Rich Theuer.
- 411 Determined to be non-synthetic; Vote: 12 aye / 0 opposed / 2 abstentions.
- The NOSB's decision is to allow this material for use in organic food processing; 412
- Vote Unanimous. Annotation: Yeast (used for source) that is a product of rDNA technology is 43
- prohibited. <u>..4</u>
- 415 Yeast, Nutritional - Reviewed by Joe Montecalvo and Rich Theuer.
- Determined to be non-synthetic; Vote Unanimous. <u>416</u>
- The NOSB's decision is to allow this material for use in organic food processing; 417
- Vote: 13 aye / 1 opposed. Annotation: Yeast (used for source) that is a product of rDNA 418
- technology is prohibited. Growth on petrochemical substrates and sulfite waste liquor is also 419
- <u>420</u> prohibited.
- **421** Yeast, Smoked - Reviewed by Rich Theuer and Joe Montecalvo.
- Determined to be non-synthetic; Vote: 13 aye / 0 opposed / 1 abstention. <u>422</u>
- The NOSB's decision is to allow this material for use in organic food processing; <u>423</u>
- Vote: 11 aye / 3 opposed. Annotation: Yeast (used for source) that is a product of rDNA 424
- technology is prohibited. Growth on petrochemical substrates and sulfite waste liquor is also 425
- prohibited. The handler must document in the Organic Handling Plan that the smoke flavoring <u>426</u>
- <u>427</u>
- used is produced using a non-synthetic process that does not use synthetic processing aids or
- 428 additives.
- <u>429</u> Calcium Citrate - Reviewed by Mark Schwartz and Joe Montecalvo.
- <u>430</u> Determined to be synthetic; Vote: 13 aye / 0 opposed, 1 absent.
- 431 The NOSB's decision is to allow this material for use in organic food processing;

- Vote: 11 aye / 1 opposed / 1 absent / 1 abstention.
- Calcium Phosphates (Di, Tri, Mono) Reviewed by Mary Mulry, Rich Theuer, and Joe
- Montecalvo. Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote: 13 aye / 1 opposed. Discussion: This material is used in baking powder, fortification, for
- yeast growth, and a firming agent for yogurt. Craig noted that the Handling Plan will discover
- other uses for the material that are not currently known.
- Carbon Dioxide (Non-synthetic) Reviewed by Joe Montecalvo, Rich Theuer, Mary Mulry,
- and Bob Durst. Determined to be non-synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- 442 Vote Unanimous.
- Carbon Dioxide (Synthetic) Reviewed by Joe Montecalvo, Rich Theuer, Mary Mulry, and
- Bob Durst. Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote: 13 aye / 1 opposed. (The non-synthetic form is preferable to the synthetic.)
- Chlorine Bleach (Calcium hypochlorite, sodium hypochlorite, chlorine dioxide) -
- Reviewed by Joe Montecalvo, Marta Engel, Rich Theuer, Walter Jeffery, and Chris Milne.
- <u>449</u> Determined to be synthetic; Vote Unanimous.
- 450 Annotation: Allowed for disinfecting and sanitizing food contact surfaces. Residual chlorine
- levels for washwater in direct crop or food contact and in flush water from cleaning irrigation
- systems that is applied to crops or fields cannot exceed the maximum residual disinfectant limit
- under the Safe Drinking Water Act (currently 4mg/L expressed as Cl₂). This substance is to be
- reviewed again in two years.
- Ethylene Reviewed by Joe Montecalvo, Rich Theuer, and Chris Milne.
- <u>456</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote: 13 aye / 1 opposed. Annotation: for use as a ripening agent for bananas only.
- Discussion: Craig moved and it was seconded by Michael Sligh to restrict its use as a ripening
- agent for bananas only. Fred noted that FVO does allow its use to prevent other problems and is
- actively seeking an alternative, but that there is no alternative currently. Merrill questioned the
- nutritional properties of foods that are ripened by a blast of ethylene gas. Gene noted that it is
- essential for controlled ripening over long distances. Michael Sligh moved and it was seconded
- by Kathleen to phase ethylene out over a five-year period. Vote: 3 aye / 9 opposed / 2
- 465 abstentions. Motion failed.
- Glycerin Reviewed by Joe Montecalvo, Rich Theuer, and Mary Mulry.
- <u>467</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;

- Vote Unanimous. Annotation: Must be produced by hydrolysis of fats and oils.
- 470 Hydrogen Peroxide Reviewed by Vivian Purdy and Amigo Cantisano.
- <u>471</u> Determined to be synthetic; Vote Unanimous (1 absent).
- The NOSB's decision is to allow this material for use in organic food processing and organic
- <u>473</u> **crop production.** Vote Unanimous (1 absent).
- 474 Magnesium Chloride (non-synthetic) Reviewed by Joe Montecalvo and Rich Theuer.
- <u>475</u> Determined to be non-synthetic; Vote Unanimous.
- The NOSB's decision is to prohibit the use of non-synthetic magnesium chloride (from sea
- water) in organic foods (95% and above); Vote: 12 aye / 2 opposed. The NOSB's decision is
- also to prohibit the use of non-synthetic magnesium chloride (from sea water) in foods made with
- organic ingredients (50%-95%); Vote: 12 aye / 2 opposed.
- 480 Magnesium Chloride (Synthetic) Reviewed by Joe Montecalvo and Rich Theuer.
- <u>481</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow synthetic magnesium chloride for use in organic food
- 483 processing; Vote: 13 aye / 1 opposed.
- Annotation: Allowable only in the synthetic form if extracted from sea water. Magnesium
- chloride produced by synthetic processes (e.g., hydrochloric acid reaction) is not allowable.
- 486 Unrefined non-synthetic magnesium chloride (nigari) is not recognized by FDA as an allowed
- food ingredient.
- 488 Nutrient Vitamins and Minerals Reviewed by Rich Theuer, Mary Mulry, Joe Montecalvo.
- <u>489</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote: 10 aye / 4 opposed. Annotation: Accepted for use in organic foods for enrichment or
- fortification when required by regulation or recommended by an independent professional
- 493 organization.
- **Ozone -** Reviewed by Rich Theuer and Joe Montecalvo.
- <u>495</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic food processing;
- 497 Vote Unanimous.
- **Potassium Hydroxide -** Reviewed by Rich Theuer and Joe Montecalvo.
- Determined to be synthetic; Vote: 10 aye / 0 opposed / 4 absent.
- The NOSB's decision is to allow this material for use in organic food processing;
- Vote: 9 aye / 2 opposed / 1 abstention / 2 absent.
- Annotation: Prohibited for use in lye peeling of fruits and vegetables and where non-synthetic
- sodium carbonate is an acceptable substitute.

| 504 505 506 507 | Tartaric Acid (Made from grape wine) Determined to be non-synthetic; Vote - Unanimous (1 absent). The NOSB's decision is to allow this material for use in organic food processing; Vote - Unanimous (1 absent). |
|--|--|
| 508 509 510 511 | Tartaric Acid (Made from malic acid) Determined to be synthetic; Vote - Unanimous (1 absent). The NOSB's decision is to allow this material for use in organic food processing; Vote: 10 aye / 4 opposed. |
| 512 513 514 515 516 517 518 | Potassium Acid Tartrate (or Potassium Tartrate made from tartaric acid) - Reviewed by Rich Theuer and Joe Montecalvo. Determined to be synthetic; Vote - Unanimous. The NOSB's decision is to allow this material for use in organic food processing; Vote: 12 aye / 1 opposed / 1 absent. Discussion: Sligh questioned the essentialness of this material. Craig moved and it was seconded by Merrill to accept the following Annotation: Shall be derived from tartaric acid derived from grapes. Vote: 6 aye / 6 opposed / 1 abstention / 1 absent. The motion failed, and there is no annotation for this material. |
| 519 520 521 522 523 524 525 526 | Sodium Phosphates - Reviewed by Bob Durst, Rich Theuer, and Joe Montecalvo. Determined to be synthetic; Vote - Unanimous. The NOSB's decision is to allow this material for use in organic food processing; Vote: 12 aye / 2 opposed. Discussion: Jay and Merrill both expressed the opinion that sodium phosphates should be annotated. Fred moved to annotate, limiting its use as a boiler water additive. Before there was a vote, Jay withdrew his motion and moved to table Vote: 4 aye / 9 opposed / 1 absent. Motion failed. Michael Sligh then followed with a motion for the annotation: "Use restricted to dairy foods". Vote: 12 aye / 2 opposed. Motion carried. |
| 527 528 529 530 531 | Tocopherols - Reviewed by Joe Montecalvo, Rich Theuer, and Mary Mulry. Determined to be synthetic; Vote: 13 aye / 1 opposed. The NOSB's decision is to allow this material for use in organic food processing; Vote: 12 aye / 2 opposed. Annotation: Must be derived from vegetable oil when rosemary extracts are not a suitable alternative. |
| 532 533 534 | Magnesium Stearate - Reviewed by Joe Montecalvo and Rich Theuer. Determined to be synthetic; Vote - Unanimous. This material is prohibited for use in organic food processing (95% and above); |

Vote: 4 aye / 9 opposed / 1 abstention. However, the NOSB does allow for the use of this material in foods "made with organic ingredients". Vote: 12 aye / 2 opposed.

Ammonium Phosphate - Reviewed by Joe Montecalvo, Rich Theuer, Bob Durst.

538 Determined to be synthetic; Vote - Unanimous.

This material is prohibited for use in organic food processing (95% and above).

Vote: 0 aye / 13 opposed / 1 absent. This material is also prohibited for foods labeled as "made

| 5-1 | with organic ingredients" | (50% - 95%). | Vote: | 6 aye / 3 opposed. | 5 abstentions. |
|-----|---------------------------|--------------|-------|--------------------|----------------|
|-----|---------------------------|--------------|-------|--------------------|----------------|

- 542 Discussion: There was also a motion to reconsider this material, allowing it for use as a yeast
- food in wine making. Vote: 7 aye / 4 opposed / 3 abstentions. Motion failed.
- **Colloidal Silica** Reviewed by Joe Montecalvo, Rich Theuer, and Bob Durst.
- 545 Determined to be synthetic; Vote: 12 aye / 0 opposed / 2 absent.
- This material is prohibited for use in organic food processing (95% and above).
- Vote: 1 aye / 11 opposed / 2 absent. This material is also prohibited for foods labeled as "made
- with organic ingredients" (50% 95%). Vote: 3 aye / 9 opposed / 2 absent.
- Nisin Reviewed by Joe Montecalvo and Rich Theuer.
- 550 Determined to be synthetic; Vote: 10 aye / 3 opposed. This material is prohibited for use in
- organic food processing (95% and above). Vote Unanimous. This material is also prohibited
- for use in foods labeled as "made with organic ingredients" (50% 95%). Vote Unanimous.
- 553 Sodium Tartrate Reviewed by Joe Montecalvo and Rich Theuer.
- 554 Determined to be synthetic; Vote: 13 aye / 0 opposed / 1 absent. This material is prohibited for
- use in organic food processing (95% and above). Vote: 8 aye / 2 opposed / 3 abstention /
- 1 absent. This material is also prohibited for use in foods labeled as "made with organic
- ingredients" (50% 95%). Vote Unanimous. Discussion: Rich noted that citric acid is a
- suitable non-synthetic alternative for this material. It was also pointed out that this material is
- used extensively in wine production.
- **Sorbic Acid** Reviewed by Joe Montecalvo and Rich Theuer.
- <u>561</u> Determined to be synthetic; Vote Unanimous. This material is prohibited for use in organic
- 562 food processing (95% and above). Vote Unanimous. This material is also prohibited for use in
- foods labeled as "made with organic ingredients" (50% 95%). Vote Unanimous.
- 564 Discussion: Margaret Wittenberg mentioned that this material is used in cheese making and is
- also used in dried fruit.
- **<u>566</u>** Baking Powder (Aluminum-Free) Reviewed by Joe Montecalvo and Rich Theuer.
- There was no determination made on this material. Craig moved and it was seconded by Jay to
- send this material back to the processing committee. Vote: 10 aye / 2 opposed / 2 absent. Craig
- also moved to add non-modified starches to the TAP review process and it was seconded by Bob.
- 570 Vote Motion carried unanimously.
- 571 (This material's component parts were all reviewed and approved for use in organic foods.)
- <u>572</u> <u>Crops Materials</u>
- 573 Alcohol (Ethanol) Reviewed by Vivian Purdy and John Clark.
- <u>574</u> Determined to be synthetic; Vote: Unanimous.
- The NOSB's decision is to allow this material for use in organic crop production;
- 576 Vote: Unanimous. Annotation: Permitted for use as a disinfectant.

- <u>577</u> Alcohol (Isopropyl) - Reviewed by Vivian Purdy, John Clark and Marta Engel.
- Determined to be synthetic; Vote: 12 aye / 0 opposed / 2 absent. <u>578</u>
- The NOSB's decision is to allow this material for use in organic crop production; <u>579</u>
- Vote: 13 aye / 1 opposed. Annotation: Permitted for use as a disinfectant. 580
- Discussion: Michael Sligh moved and it was seconded by Jay to return brewery wastes back for 581
- further review to the TAP. Motion carried unanimously. Also, Rod moved and it was seconded **582**
- by Tom Stoneback to send alcohol (made from methane) for further review to the TAP. Motion <u>583</u>
- carried unanimously. 584
- Ammonium Carbonate Reviewed by John Clark and Helmut Reidl. <u>585</u>
- Determined to be synthetic; Vote: 12 aye / 0 opposed / 2 absent. <u>58</u>6
- The NOSB's decision is to allow this material for use in organic crop production; **587**
- Vote Unanimous. Annotation: For use as bait in insect traps only. Cannot be in direct contact 588
- <u>589</u> with crop or soil.
- **590** Antibiotics (Avermectin) - Reviewed by Jerry Feitelson, Philip VanBuskirk, and Gregg Young.
- <u>591</u> Determined to be synthetic; Vote - Unanimous.
- The NOSB has determined that this material is unacceptable for use in organic crop production; <u>592</u>
- <u>593</u> Vote: 3 aye / 6 opposed / 4 abstentions.
- Antibiotics (Streptomycin sulfate) Reviewed by Phillip VanBuskirk, Greg Young, and Jerry <u>594</u>
- <u>595</u> Feitelson. Determined to be synthetic; Vote - Unanimous.
- <u>596</u> The NOSB's decision is to allow this material for use in organic crop production;
- Vote: 10 aye / 3 opposed. Annotation: Permitted for use as a fireblight control in apples and <u>597</u>
- pears only. To be reviewed again in two years. <u>598</u>
- **599** Antibiotics (Terramycin-Oxytetracycline calcium complex) - Reviewed by Phillip
- VanBuskirk, Gregg Young, and Jerry Feitelson. Determined to be synthetic; Vote Unanimous. <u>600</u>
- The NOSB's decision is to allow this material for use in organic crop production; <u>601</u>
- Vote: 10 aye / 1 opposed / 2 abstentions. Annotation: To be reviewed again in two years. <u>602</u>
- Discussion: Gene Kahn will organize a taskforce to further explore antibiotic use in crop <u>603</u>
- <u>604</u> production.
- Aquatic Plant Extracts (Other than hydrolyzed) Reviewed by Donald Blakeney, Bruce <u>605</u>
- Spencer. Determined to be synthetic; Vote: 11 aye / 2 absent. <u>606</u>
- The NOSB's decision is to allow this material for use in organic crop production; <u>607</u>
- Vote: 10 aye / 1 abstention / 2 absent. Annotation: Extraction process is limited to the use of <u>608</u>
- potassium hydroxide and sodium hydroxide. The amount of the solvent used is not to exceed the <u>609</u>
- <u>610</u> amount necessary for extraction.
- Chlorine Bleach (Calcium hypochlorite, sodium hypochlorite, chlorine dioxide) -611
- Reviewed by Joe Montecalvo, Marta Engel, Rich Theuer, Walter S. Jeffery, and Chris Milne. <u>612</u>
- Determined to be synthetic; Vote Unanimous (2 absent). <u>613</u>

| The NOSB's decision is to allow this material f | for use for organic crop production, o | organio |
|---|--|---------|
|---|--|---------|

- 615 food processing, and organic livestock production. Vote: 9 aye / 2 opposed / 2 absent.
- Annotation: Allowed for disinfecting and sanitizing food contact surfaces. Residual chlorine
- levels for washwater in direct crop or food contact and in flush water from cleaning irrigation
- systems that is applied to crops or fields cannot exceed the maximum residual disinfectant limit
- under the Safe Drinking Water Act (currently 4mg/L expressed as Cl₂). This substance is to be
- <u>620</u> reviewed again in two years.
- 621 Coppers, Fixed Reviewed by Brian Baker and Eric Sideman.
- <u>622</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic crop production;
- Vote Unanimous. Annotation: May be used for disease control. May not be used as an
- herbicide. Shall be used in a manner that prevents excessive copper accumulation in the soil.
- 626 Lignin Sulfonate Reviewed by Brian Baker, Philip VanBuskirk, and Diana Tracy.
- <u>627</u> Determined to be synthetic; Vote Unanimous (2 absent).
- The NOSB's decision is to allow this material for use in organic crop production;
- Vote: 11 aye / 1 opposed / 1 absent. Annotation: Allowed for use with micronutrients and
- macronutrients and as a chelating agent. Also allowed for use as a dust suppressant and a
- 631 flotation agent.
- Magnesium Sulfate Reviewed by John Clark and Bart Hall.
- <u>3</u> Determined to be synthetic; Vote Unanimous (2 absent).
- The NOSB's decision is to allow this material for use in organic crop production;
- Vote Unanimous (2 absent). Discussion / Annotation: Gene noted that this material is usually
- applied to the soil at a rate of 20 lbs per acre. Merrill moved and it was seconded by Gene to add
- the following Annotation: "Allowed for use as a soil amendment with a documented magnesium
- deficiency". Vote Motion carried unanimously (1 absent).
- 639 Newspaper Mulch Reviewed by Sam Cotner, Eric Sideman, and Joseph Heckman.
- <u>640</u> Determined to be synthetic; Vote Unanimous (1 absent).
- The NOSB's decision is to allow this material for use in organic crop production;
- Vote: 12 aye / 1 opposed / 1 absent. Discussion / Annotation: Tom Stoneback noted that the
- printing industry is now using state of the art equipment and supplies. Most of the inks tend to
- be soy-based. Gene moved and it was seconded by Bob to accept the annotation -- "Glossy paper
- and colored ink paper is prohibited." Vote: 10 aye / 3 opposed / 1 absent. Motion carried.
- Petroleum Distillates Reviewed by Philip VanBuskirk, Brian Baker, and Chris Milne.
- <u>647</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic crop production;
- Vote: 11 aye / 2 opposed. Annotation: Restricted to petroleum derivatives with a 50% boiling point at 10mm mercury pressure between 415 degrees F° and 440 degrees F° ± 8 degrees F°.
- Aromatic petroleum solvents including, but not limited to, benzene, naphthalene, toluene and

- xylene are prohibited. Allowed for use in organic production as suffocating or stylet oils on
- foliage and as inert ingredients. May be applied to dormant perennials. Direct application to
- harvested crop is prohibited. Petroleum distillates may not be used as either weed or carrot oils
- in organic production. Land covered with petroleum derived pavement and road oils cannot be
- certified organic for 3 years following application.
- Discussion: Zea Sonnabend noted that petroleum distillates are used as carriers and fillers and
- are necessary ingredients. Merrill commented on the need to move away from a reliance on
- chemicals, and suggested the addition of "woody perennials" to the annotation. Bill Wolf then
- followed by stating that the vegetable-based dormant oils aren't yet registered, and that all of the
- dormant oils currently on the market are petroleum based. He also noted that they are most
- commonly used in pest control, and pose the least ecological impact.

Plastic Mulch and Covers [Petroleum based; other than poly-vinyl chloride (PVC)] -

- Reviewed by Sam Cotner and Richard Harwood. Determined to be synthetic;
- Vote Unanimous. The NOSB's decision is to allow this material for use in organic crop
- production; Vote Unanimous. Annotation: PVC is prohibited. Petroleum-based plastics other
- than PVC are acceptable. Restricted by OFPA as having to be removed at the end of each
- growing or harvest season; also, shall not be incorporated into the soil or left in the field to
- <u>669</u> decompose.
- 670 Sticky Traps and Barriers Reviewed by Helmut Riedl, John Clark, and Vivian Purdy.
- Determined to be synthetic; Vote Unanimous (2 absent).
- The NOSB's decision is to allow this material for use in organic crop production;
- 673 Vote Unanimous (2 absent).
- Vitamin D1, C, and E Reviewed by David Knauft, Donald Blakeney, and Amigo Cantisano.
- <u>675</u> Determined to be synthetic; Vote: 10 aye / 3 absent.
- The NOSB's decision is to allow this material for use in organic crop production;
- 677 Vote: 11 aye / 2 absent.
- 678 Vitamin D3 Reviewed by Gregg Young and Donald Blakeney.
- <u>679</u> Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic crop production;
- Vote Unanimous. Annotation: Permitted as a rodenticide.
- Arsenate Treated Lumber Reviewed by Chris Milne, Eric Sideman, and Sam Cotner.
- <u>683</u> Determined to be synthetic; Vote Unanimous.
- The NOSB has determined that this material is unacceptable for use in organic crop production;
- Vote Unanimous. Commentary: Effective on the publication date of the final rule, the use of arsenate (and other prohibited materials) treated lumber is prohibited for new construction and
- replacement purposes. Certification applicants shall provide records to the certifying agent that
- arsenate (and other prohibited materials) treated lumber was not installed within 36 months
- immediately preceding the initial harvest date of any organic agricultural products. In no case

- shall arsenate (and other prohibited materials) treated lumber be allowed in installations in <u>~J</u> contact with the soil and used to grow vegetables (soil beds). **691**
- Gypsum By-Product (From flue trappings and fertilizer manufacture, and from drywall 692 manufacture) - Reviewed by Diana Tracy, John Clark, and David Knauft. Determined to be 693 synthetic; Vote - Unanimous. 694
- The NOSB has determined that this material is unacceptable for use in organic crop production; **695** Vote: 4 aye / 9 opposed. Discussion: It was noted (in terms of tonnage) that organic farmers 696 buy a significantly large amount of gypsum each year. There are two primary sources-mined and <u>697</u>
- mixed. Unfortunately, one is not distinguishable from the other. <u>698</u>
- Killed Microbial Pesticide (Pseudomonas florescens with Bt gene) Reviewed by Margaret 699 Mellon, Brian Baker, Jerry Feitelson, Daniel Pimentel, and Philip VanBuskirk. **700**
- **701** Determined to be synthetic; Vote - Unanimous.
- The NOSB has determined that this material is unacceptable for use in organic crop production; 702 <u>703</u> Vote: 3 aye / 10 opposed.
- Discussion: Bill Wolf spoke against the allowance of killed microbials, as the political climate is <u>704</u> not right at this time for their approval. He also noted that the technology definitely needs to be 705 looked at -- it's not all bad. He suggested that the Board take time to sort out all the relevant <u>706</u> issues, and vote on it at a later time. Michael Sligh concurred, and suggested a taskforce take <u>707</u> another look at the material. Rod continued, and mentioned the possibility of States requiring the **708** use of genetically engineered forms of materials in the future. Gene commented on the fact that ~<u>99</u> there is much information available on this material and the Board should not base a discussion <u>10</u> on fear and superstition. He also noted that the rejection of this material would be a major <u>711</u> setback to the organic industry. Brent Wiseman spoke of tests already conducted on these 712 materials, and that many have already been reviewed and determined to be safe. He also noted **713** that they should be reviewed again, prior to approval for use in organic production. Tom Tomas **714** noted that organic certifiers already reject this technology. Jay also concurred with the majority, 715 and that it is okay for organics to reject biotechnology, as organics built on caution. Eric 716 Kindberg noted that this is currently allowed only because it is determined to be dead, and it is <u>717</u> not the same as live microbials; it is used for gypsy moth control currently. Brian Baker <u>718</u> expressed the view that it is okay to consider its use, but at this time he is not prepared to make a <u>719</u> judgement on the material. Craig concurred with Gene and Brian, but noted that the industry is **720** not prepared for the consumer backlash that is certain to follow its approval. K. Chandler <u>721</u> rounded out the discussion by noting that IFOAM's prohibition of this material takes away tools **722** from farmers by categorically rejecting this technology which has the potential to overcome the **723** current chemical approach that is taken by conventional agriculture. Kathleen's concerns for the **724** material centered around its compatibility with sustainability and the political backlash that was <u>725</u>
- Leather By-Product Reviewed by Brian Baker, Paul Sachs, Walter Glinsmann, and Bart Hall. <u>727</u> Determined to be synthetic; Vote - Unanimous (1 absent). <u>728</u>
- The NOSB has determined that this material is unacceptable for use in organic production; **729**

mentioned by Bill and Craig.

726

- Vote: 5 aye / 8 opposed. Discussion: Bob began the discussion by noting that he doesn't use the 730
- product, but would like to consider its appropriateness for organic production. His concern 731
- centers around the 3% chromium in the finished product. K. Chandler followed with the <u>732</u>
- observation that people take chromium tablets and he personally wants more information on its <u>733</u>
- effects in the soil. Bruce Krantz of the Hynite corporation explained that EPA has removed <u>734</u>
- chromium from it "concerned" list, and that chromium is not a problem, as it had been 735
- considered in the past. Brian spoke against the material, specifically the application of biocides **736** <u>737</u>
- and other synthetic materials that are used in the processing of the hides. Bob moved and it was seconded by Gene to exclude dyed and finished leather by-products - Vote: 11 aye / 1 opposed / **738**
- 1 abstention. Motion carried. Following the prohibition of this material, Jay moved and it was <u>739</u>
- seconded by Gene for the NOSB to develop a policy on alternative use of waste products (from **740**
- organic systems). Motion carried unanimously. 741
- Potassium Nitrate (Niter) Reviewed by Walter Jeffery, Brian Baker, and Bart Hall. <u>742</u>
- Determined to be synthetic; Vote: 10 aye / 3 absent. 743
- The NOSB has determined that this material is unacceptable for use in organic crop production. 744
- 745 Vote: 12 aye / 0 opposed / 1 absent.
- Gypsum By-Product (Mined Source) Reviewed by Diana Tracy, John Clark, and David <u>746</u>
- Knauft. Determined to be non-synthetic; Vote Unanimous (2 absent). 747
- The NOSB's decision is that this material should not be placed on the Prohibited Natural(s) List. 748
- Vote Unanimous (2 absent). **749**
- Potassium Chloride (Muriate of Potash) Reviewed by Walter Jeffery and Joseph Heckman. **750**
- Determined to be non-synthetic; Vote Unanimous (1 absent). **751**
- The NOSB's decision is that this material should not be placed on the Prohibited Natural(s) List. <u>752</u>
- Vote: 0 aye / 11 opposed / 2 abstentions / 1 absent. **753**
- Commentary: Only the mined source is considered non-synthetic. Any use shall be in a manner <u>754</u>
- that prevents excessive chloride accumulation in soils. Soil testing may be required in both <u>755</u>
- treated and untreated adjacent soils to verify absence of chloride build-up. **756**
- Sodium Bicarbonate Reviewed by Eric Sideman and Walter Jeffery. <u>757</u>
- Determined to be non-synthetic; Vote Unanimous (2 absent). <u>758</u>
- The NOSB's decision is that this material should not be placed on the Prohibited Natural(s) List. <u>759</u>
- Vote: 1 aye / 12 opposed / 2 absent. **760**
- Sulfur Dioxide Reviewed by Walter Jeffery and Brian Baker. <u>761</u>
- This material was tabled by the NOSB and will be sent back to the TAP for further review. <u>762</u>
- The following petitioned materials are deemed by the NOSB to be synthetic, incompatible with <u>763</u>
- organic farming systems, prohibited by the Organic Foods Production Act of 1990 and should **764**
- not be reviewed by the Technical Advisory Panel: <u>765</u>
- <u>766</u> **Benomyl** Captan **Glyphosate Methoxychlor** Thiram.

| <u>767</u> | <u>Livestock</u> | <u>Materials</u> |
|------------|------------------|------------------|
|------------|------------------|------------------|

- 768 Alcohol (Ethanol) Reviewed by John Clark, Vivian Purdy, and Marta Engel.
- 769 Determined to be synthetic; Vote Unanimous (1 absent).
- 770 The NOSB's decision is to allow this material for use in organic livestock production;
- 771 Vote: 13 aye / 0 opposed / 1 abstention.
- Annotation: Allowed for use in medical treatments and as a disinfectant. Prohibited for use as a
- feed additive.
- 774 Alcohol (Isopropyl) Reviewed by Vivian Purdy, John Clark, and Marta Engel.
- Determined to be synthetic; Vote: 11 aye / 0 opposed / 2 abstentions.
- The NOSB's decision is to allow this material for use in organic livestock production;
- 777 Vote: 13 aye / 1 opposed. Annotation: Approved for use only as a disinfectant.
- 778 Alcohol (Methanol) Rod moved and it was seconded by Tom Stoneback to send this material
- back to the TAP for more review. Motion passed unanimously.
- 780 Brewery Wastes Michael Sligh moved and it was seconded by Jay to send this material back to
- the livestock committee for review as a feed ingredient. Motion passed unanimously.
- Chlorine Bleach (Calcium hypochlorite, sodium hypochlorite, chlorine dioxide) -
- Reviewed by Joe Montecalvo, Marta Engel, Rich Theuer, Walter S. Jeffery, and Chris Milne.
- <u>784</u> Determined to be synthetic; Vote Unanimous.
- Annotation: Allowed for disinfecting and sanitizing food contact surfaces. Residual chlorine
- levels for washwater in direct crop or food contact and in flush water from cleaning irrigation
- systems that is applied to crops or fields cannot exceed the maximum residual disinfectant limit
- under the Safe Drinking Water Act (currently 4mg/L expressed as Cl₂). This substance is to be
- <u>789</u> reviewed again in two years.
- 790 Copper Sulfate Reviewed by Lynn Brown and William Zimmer.
- 791 Determined to be synthetic; Vote: 11 aye / 1 abstention / 1 absent.

 The NOSB's decision is to allow this material for use in argentia lie.
 - The NOSB's decision is to allow this material for use in organic livestock production;
- 793 Vote: 12 aye / 1 abstention.
- Annotation: For topical use or as an essential nutrient.
- Electrolytes Reviewed by William Zimmer, Marta Engel, and Lynn Brown.
- 796 Determined to be synthetic; Vote Unanimous.
- The NOSB's decision is to allow this material for use in organic livestock production;
- 798 Vote Unanimous. Annotation: May not contain antibiotics.
- 799 Glucose Reviewed by Marta Engel and Lynn Brown.
- <u>800</u> Determined to be synthetic; Vote Unanimous.

- The NOSB's decision is to allow this material for use in organic livestock production; 801
- 802 Vote - Unanimous.
- Hydrated Lime (Calcium Hydroxide) Reviewed by Brian Baker. <u>803</u>
- Determined to be synthetic; Vote 11 aye / 1 opposed / 1 absent. 804
- The NOSB's decision is to allow this material for use in organic livestock production; 805
- Vote: 11 aye / 1 abstention / 1 absent. Annotation: Not permitted for soil application or to **806**
- cauterize mutilations or deodorize animal wastes. 807
- Local Anesthetics (Lidocaine and Procaine only) Reviewed by Marta Engel and William 808
- Zimmer. Determined to be synthetic; Vote Unanimous. **809**
- The NOSB's decision is to allow these materials (lidocaine and procaine) for use in organic 810
- livestock production. Vote Unanimous. <u>811</u>
- Discussion / Annotation: Lynn Coody noted that producers usually administer local anesthetics, **812**
- and that additional anesthetics should be used only under the general supervision of a licensed 813
- veterinarian. Merrill moved and it was seconded by Jay to add the following annotation to the 814
- approved local anesthetics: Use requires a withdrawal period of 90 days in livestock intended for <u>815</u>
- slaughter and 7 days in dairy animals. Vote: 11 aye / 3 opposed. Motion carried. <u>816</u>
- Magnesium Sulfate (Mined Epsom Salt) Reviewed by Marta Engel, Lynn Brown, and 817
- William Zimmer. Determined to be non-synthetic; Vote: 9 aye / 4 abstentions / 1 absent. <u>818</u>
- The NOSB's decision is that this material should not be placed on the Prohibited Natural(s) List. 819
- <u>820</u> Vote - Unanimous (2 absent).
- Magnesium Sulfate (synthetic) Reviewed by Marta Engel, Lynn Brown, and William Zimmer. <u>821</u>
- Determined to be synthetic; Vote: 12 aye / 1 absent / 1 abstentions. 822
- The NOSB's decision is to allow this material for use in organic livestock production; **823**
- Vote: 12 aye / 2 opposed. Discussion: Brian Baker noted that the non-synthetic form of this **824** <u>825</u>
- material is currently allowed and is in use. Merrill moved and it was seconded by Jay to add the Annotation: "External use only on non-ruminants only." Vote: 2 aye / 12 opposed. Motion <u>826</u>
- <u>827</u> fails.
- <u>828</u> Milk Replacers - Reviewed by Lynn Brown and Marta Engel.
- Determined to be synthetic; Vote: 12 aye / 0 opposed / 2 abstentions. **829**
- The NOSB's decision is to allow this material for use in organic livestock production; <u>830</u> 831
- Vote Unanimous (1 absent). Annotation: Emergency use only when fresh milk is not available. 832
- Milk replacers based on non-milk products or from BST treated animals are not permitted. No <u>833</u>
- antibiotics may be added. Milk from certified organic animals is preferred.
- Mineral Oil Reviewed by William Zimmer, John Clark, Brian Baker, and Marta Engel. **834**
- Determined to be synthetic; Vote Unanimous (1 absent). **835**
- The NOSB's decision is to allow this material for use in organic livestock production; <u>836</u>
- Vote Unanimous. Annotation: For topical use and as a lubricant. <u>837</u>

- Nutrient Vitamins Reviewed by William Zimmer and Lynn Brown.
- <u>839</u> Determined to be synthetic; Vote - Unanimous.
- The NOSB's decision is to allow synthetic vitamins for use in organic livestock production; <u>840</u>
- Vote: 10 aye / 2 opposed / 1 abstention / 1 absent. Annotation: Limited to those approved by <u>841</u>
- the Food and Drug Administration for livestock use. <u>842</u>
- Discussion: This discussion initially began as the discussion on Folic Acid and was redirected to <u>843</u>
- the evaluation of synthetic vitamins as a group. Fred moved and it was seconded by Rod to <u>844</u>
- 845 evaluate vitamins as a category, rather than to review each individual vitamin.
- Vote: 10 aye / 2 opposed / 2 absent. Motion carried. Merrill expressed strong objections to 846
- acceptance of materials in a category format and asked that each substance be individually **847**
- <u>848</u> reviewed.
- <u>849</u> Nutrient Minerals - Reviewed by William Zimmer and Lynn Brown.
- <u>850</u> Determined to be synthetic; Vote - Unanimous (1 absent).
- The NOSB's decision is to allow synthetic mineral for use in organic livestock production; 851
- **852** Vote: 10 aye / 2 opposed / 1 abstention / 1 absent.
- Annotation: Limited to those approved by the Food and Drug Administration for livestock use. **853**
- 854 Oxytocin - Reviewed by William Zimmer, Marta Engel, and Lynn Brown.
- <u>855</u> Determined to be synthetic; Vote - Unanimous (1 absent).
- The NOSB's decision is to allow this material for use in organic livestock production; **856**
- Vote Unanimous (1 absent). Annotation: No routine or long term use. May be used only when ₽57
- necessary to allow an animal to let down milk during the first few days of lactation and also for *- 5*8
- <u>859</u> other approved veterinarian uses.
- Alcohol (Derived from fermentation) Reviewed by John Clark and Marta Engel. 860
- The NOSB has determined that this material is non-synthetic and not within the scope of the 861
- **862** National List.
- Probiotics Reviewed by Lynn Brown, William Zimmer, and Marta Engel. <u>863</u>
- Determined to be non-synthetic; Vote: 9 aye / 0 opposed / 3 abstention. 864
- The NOSB has determined that this material is non-synthetic and not within the scope of the <u>865</u>
- 866 National List.
- Colostrum Whey Antibodies Reviewed by Lynn Brown and Richard Krengel. 867
- Determined to be synthetic; Vote: 7 aye / 6 opposed / 1 absent. 868
- Discussion: After considerable discussion and debate over the synthetic / non-synthetic status of 869 **870** colostrum, the following votes were taken:
- Is colostrum from livestock not treated with BST synthetic? 871 1)
- 872 Vote: 0 aye / 11 no / 3 absent.
- Should non-synthetic colostrum be placed on the National List as a prohibited natural? <u>873</u> 2) **874** 0 aye / 11 no / 3 absent.

| 875 876 877 878 | Is colostrum from livestock treated with BST synthetic? 9 aye / 0 no / 3 abstentions / 2 absent. Should synthetic colostrum be prohibited for use in organic livestock production? 12 aye / 0 no / 2 absent. |
|--------------------------|---|
| 879 880 | Following the aforementioned votes, the NOSB moved to table this material. Motion passed unanimously. |
| <u>881</u> | November 3, 1995 |
| 882 883 | The final session of the NOSB meeting was called to order at 8:00 a.m. by chairperson Bob Anderson. |
| 884 885 886 887 | Members in attendance were: Tom Stoneback, Craig Weakley, Dean Eppley, Don Kinsman, Merrill Clark, Michael Sligh, Bob Anderson, Gene Kahn, K. Chandler, Rod Crossley, Kathleen Merrigan, Margaret Wittenberg, and Jay Friedman. Tom Tomas was present as the certifying agency advisor to the NOSB. |
| 888 889 | National Organic Program staff members present from USDA were: Michael Hankin and Toni Strother. |
| 890 891 | The TAP coordinators and materials advisors present were: Zea Sonnabend, John Brown, Brian Baker, Lynn Coody, and Bill Wolf. |
| 892 893 894 | Kathleen Merrigan moved and it was seconded by Don Kinsman to adopt the arsenate treated lumber resolution. ² There was one friendly amendment - add "and lumber treated with other prohibited materials" to the title and throughout the document. Motion passed unanimously. |
| 895 896 897 | Lynn Coody followed with a continuation of the antibiotics presentation. ³ It was noted that two antibiotics have been historically approved for disease control, while Avermectin is a miticide for which other options exist. |
| 898 899 | Following the antibiotics presentation, an expanded discussion on killed microbial pesticide ensued. ⁴ |
| <u>900</u> | Michael Sligh and Jay Friedman left the meeting at 9:25 a.m. For voting purposes, there were |

²See Arsenate Treated lumber under crops materials, page 37.

³See Antibiotics (Avermectin, Streptomycin sulfate, and Terramycin-oxytetracycline calcium complex) under crops materials, page 32-33. Also, see attachment 1.

⁴See Killed Microbial pesticide under crops materials, page 38-39.

| now | 11 | voting | Board | members. |
|-----|----|--------|--------------|----------|
|-----|----|--------|--------------|----------|

- Immediately following the conclusion of the materials review and voting, Bob Anderson moved
- and it was seconded by Dean to accept the Orlando minutes. Craig suggested the word
- "seconded" be added at line 1074 after the word 'Chandler' (No objections).
- The minutes were subsequently approved by a vote of 9-1, and the NOSB instructed USDA staff
- to incorporate all previous written revisions submitted by NOSB members, except for the
- go7 requested vote changes by Merrill.
- Margaret Wittenberg was selected as the new chairperson of the Processing, Handling, and
- 209 Labeling Committee (11-0).
- 910 K. Chandler moved and it was seconded by Merrill to have the USDA mail out the NOSB
- definition of "organic" to the public mailing list. Motion carried unanimously.
- 912 Subsequently, the NOSB passed the following resolutions:
- <u>Fiber Processing Standards</u> USDA is requested to incorporate processing standards for fibers
- into the National Organic Program as soon as possible. Because a specific NOSB
- recommendation on such standards cannot be made before the next meeting of the Board, USDA
- 916 is requested to use the organic fiber processing standards established by the Texas Department of
- Agriculture as well as consultations with members of the NOSB Processing, Handling and
- Labeling Committee as resources for the development of such standards. Craig then moved and
- it was seconded by Don Kinsman to approve the resolution. Tom Stoneback expressed his
- 920 support of the fiber resolution. Motion carried unanimously.
- <u>Comment Period for the Proposed Rule</u> The public is extremely interested in the development
- of the national organic program. In order to ensure adequate opportunity for public input on what
- will be a lengthy and complex proposed rule, we request and urge the USDA to provide a
- minimum 90 day comment period. Motion carried unanimously.
- Bob Anderson then inquired as to how the Board would move ahead on the materials review, and
- whether or not Zea will continue to serve as the NOSB TAP Coordinator. Kathleen expressed her support for Zea's continuation. However, Zea said that the
- her support for Zea's continuation. However, Zea said that she was not interested in another contract to continue work. She went on to question what will be described in another contract to continue work.
- on John Brown's contract and what his future role will be. She also expressed her uncertainty as to the USDA's ability to coordinate the TAP process, and the need for oversight of the USDA.
- Kathleen then moved forward the <u>Technical Advisory Panel Review Coordinator Resolution</u>:
- We urge the Secretary to find adequate resources to retain an independent consultant recognized
- as an expert in organic production, to coordinate the technical advisory panel review process.
- Her resolution was unanimously approved.
- Also at the request of Kathleen, the Executive Committee agreed to develop a policy on what

| 936 937 938 939 | should be mailed to the USDA/NOSB mailing list. The Executive committee will also decide how to get a sense of the NOSB activities between meetings, in view of the reduced funding. Ms. Merrigan will also lead efforts to coordinate current and past NOSB members in preparing responses to the USDA proposed rule for the National Organic Program. |
|--------------------------|---|
| 940 941 | The ethics document prepared by Fred Kirschenmann was unanimously tabled. The Board also unanimously consented on a Central Midwest location for the next NOSB meeting. |
| 942 | The meeting was adjourned at 10:35 a m |