

Peter S. Adler, PhD

The ACCORD3.0 Network

2471 Manoa Road Honolulu, Hawaii 96822

Web: www.accord3.com



***Joint Fact Finding Study Group on Pesticide Use
By Large-Scale Agribusiness on Kauai***

Update #6

December 11, 2015

1. Recap

The nine-member JFF Study Group has sought to answer the following questions with as much data centered evidence as possible:

1. *Currently, are there detectable and measurable human or environmental health impacts on Kauai associated with seed company pesticide practices?*
2. *If the JFF group believes the answer to the above is a possible “yes”, what are the documented health or environmental impacts on Kauai? What has the group learned and how strong is the evidence?*
3. *If the response to the first question is a possible “yes”, then what should be done?*

To answer these questions, the JFF Study Group pursued three other foundational and evidence-based investigations.

4. *Quantitatively, what are the actual agricultural “footprints” Kauai’s seed companies occupy and farm?*

5. *What pesticides do they use, in what quantities, and at what rates?*
6. *How does current regulatory oversight of these issues operate and is it sufficient to assure public safety?*

2. Current Status

The JFF group is in its final phase and will complete the effort by January 29th, 2016 with a report delivered to the project’s funders, Mayor Bernard Carvalho and State Department of Agriculture Director Scott Enright. The Final Report will be made public at the project website on the same day. Subject to last minute changes, the report will have 10 chapters (Attachment) and several appendices and represent the collective effort of the entire JFF Study Group.

3. Public Comment Period

JFF study Group members and the Project Team look forward to posting a preliminary draft of the Final Report and its appendices on or around December 20th. Subject to adjustment if needed, the schedule is as follows:

DATE	EVENT
December 20, 2015	Draft-4 of the report and Appendices will be posted to the project website at www.accord3.com/pg1000.cfm . Submittal of written public is described below.
January 11, 2016 7:00p to 9:00p	Public briefing by JFF members at Performing Arts Center, Kauai Community College.
January 13, 2016 5:00p	Public comment period closes
January 27, 2016	Final report delivered to Mayor Carvalho and Director Enright and posted to www.accord3.com/pg1000.cfm .

4. How to Submit Comments

Proposed factual corrections or additions to the report are welcomed and should be submitted to the following e-mail address jffcomments@gmail.com not later than 5:00pm on January 13th. The JFF Study Group asks for two types of specific feedback:

1. Are there errors with any of the factual data or empirical evidence that we presented?
2. Are there specific and relevant factual data or empirical evidence the Study Group has missed? If so, please provide us with a link to that data.
3. Additional factual corrections or new information should be confined to e-mails not exceeding 250-words.

Note: JFF members are aware of the wide array of opinions and viewpoints on the Internet and in the blogosphere. The Study Group has a preference for factual information in the form of local data, meta-studies, major review articles, and research that has appeared in peer reviewed journals.

All e-mails will be reviewed by all members of the JFF Study Group and considered prior to issuance of the final report. Anonymous comments will not be considered. Comments are welcomed from both Kauai residents and nonresidents. All comments with proposed factual changes received by the end of the comment periods will be compiled as received and made available to the funders and the public in February.

REPORT OUTLINE

(Working Draft - Subject to Change)

JFF Study Group Signatures

Acknowledgements

List of Abbreviations

Executive Summary

I. Introduction and Background

- A. Purpose
- B. Background
- C. Caveats to the Report

II. Specific Findings - The Seed Companies' Agricultural Footprint

- A. Introduction and Summary
- B. Agriculture on Kauai
- C. Seed Company Footprints
- D. Field Operations Footprint

III. Specific Findings - Pesticide Use on Kauai

- A. Introduction and Summary
- B. Restricted and General Use Pesticides
- C. Pesticide Use by Non-GNP Companies
- D. Pesticide Toxicities and Maximum Exposure Levels
- E. Pesticide Experimentation on Kauai

IV. Specific Findings - Environmental Health Impacts

- A. Introduction and Summary
- B. Pesticide Migration and Environmental Sampling Studies
- C. Surface Waters and Aquatic Ecosystems
- D. Bees, Butterflies, and Insectivores

V. Specific Findings - Human Health Impacts

- A. Introduction and Summary
- B. Current Medical Literature
- C. Strengths and Weaknesses of the JFF's Review
- D.

VI. Specific Findings – Regulation and Oversight

- A. Introduction and Summary
- B. Environmental Protection Agency
- C. Hawai'i Department of Agriculture
- D. Hawaii Department of Health
- E. Hawai'i and California Systems Compared

VII. Waimea Canyon School Incidents - 2006 and 2008

VIII. Recent Pesticide Developments

- A. Introduction and Summary
- B. Chlorpyrifos
- C. Glyphosate

IX. Major Conclusions

- A. Seed Company Footprint
- B. Pesticide Use
- C. Environmental Signals
- D. Human Health Signals
- E. Regulation and Oversight
- F. Waimea Canyon Middle School
- G. Emerging Concerns

X. Recommendations

- A. Office of the Governor
- B. Department of Agriculture
- C. County of Kauai
- D. Department of Health
- E. Department of Education
- F. Office of Hawaiian Affairs
- G. Other

Appendices -1 – Attachments for References, Acknowledgments, Personal Statement

1. References Consulted
2. Personal Statements from JFF Members
3. Additional Background Readings

Appendix-2 – Attachments from Chapters I to X (Organized by Chapter)