

# Appendix G: Peer Review (Submitted)

Status: Complete

**Project ID/Title:** NE\_TEMP2442: Improving Sustainable Poultry Production through Collaborative Research and Outreach

## Rate the technical merit of the project:

1. Sound Scientific approach:

Approve/continue project with revision

2. Achievable goals/objectives:

Good

3. Appropriate scope of activity to accomplish objectives:

Good

4. Potential for significant outputs(products) and outcomes and/or impacts:

Good

5. Overall technical merit:

Good

Comments

This is the largest poultry specific multistate regional project currently, and the members should be proud for the breadth of issues they are and are planning on addressing. While the proposal was strong, reorganization would aid in clarifying and leveraging collective strengths across institutions. For example, topics/sub-topics outlined (for the most part) were good in the current work/literature review, but when describing planned work, these sub-topics were difficult to follow. Objective 2b (post-harvest) also indicates work in both meat and eggs, yet only eggs are listed as part of this objective. Reorganization to clarify efforts in those sub-topics may be warranted, with special attention paid towards leveraging projects beyond the capabilities of singular scientists and singular experiment stations.

For the outreach and training, the group should consider ways to elevate the work of collective group (or larger subgroups therein). While only briefly mentioned, the Poultry Extension Collaborative is an example of a collective effort. The group should also be considering ways to actively engage stakeholders (beyond just presentations at meetings, and this was not directly communicated. Some stakeholder groups to engage with and become involved in meetings could include the Egg Industry Center, the International Poultry Welfare Alliance, and the US Roundtable for a Sustainable Poultry & Egg Supply. No specific plan was relayed for recruitment of other scientists to this group. Very much appreciate involvement of any economist and value they would bring to efforts, and strategies to bring in other scientists beyond animal/poultry faculty would be rewarding to broaden efforts (e.g. systems modeling - LCA).

Your Recommendation:

Approve/continue project with revision

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1. Sound Scientific approach:

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2. Achievable goals/objectives:

Fair

3. Appropriate scope of activity to accomplish objectives:

Good

4. Potential for significant outputs(products) and outcomes and/or impacts:

Excellent

5. Overall technical merit:

Good

Comments

General comment:

The participants need to include additional details including the specific parameters to be evaluated in proposed experimental trials. The document contains mainly general nonspecific terms such as: feed ingredients, additives, feedstuffs, alternatives, supplements, formulations, management, programs, strategized feeding programs, disease management, and food safety.

Specific comments:

This project has identified several broad areas and the timely issues important to today's poultry production industry in the United States for improving sustainable poultry production.

The proposal is multi-disciplinary/multi-state and represents research approaches that should improve productivity, well-being, and food safety.

Hopefully, the results will be significant improvements that the poultry industry stakeholders can utilize to address both pre-harvest and post-harvest challenges.

I am concerned about the absence of details provided and the over broad general goals presented in the proposal.

The proposal identifies both institutions and researchers that have been displayed solid expertise in their specific fields of study and past productivity.

Your Recommendation:

Approve/continue project with revision

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2. Achievable goals/objectives:

Excellent

3. Appropriate scope of activity to accomplish objectives:

Excellent

4. Potential for significant outputs(products) and outcomes and/or impacts:

Excellent

5. Overall technical merit:

Excellent

Comments

This project has identified critical and timely issues to the poultry industry. The proposed multi-disciplinary/multi-state proposal represents a logical and well-outlined approach to the topic of improving sustainable poultry production. I am positive that the industry stakeholders await the successes and contributions that this collaborative effort will generate. The contributions will be significant to the poultry industry stakeholders, addressing a variety of both pre- and post-harvest challenges. I was originally concerned about the extremely diverse and complex objectives and goals set forth in this proposal, but after thoroughly reviewing the research institutions and researchers partnering in this project, I am fully comfortable in their likelihood of success. The proposal identifies both institutions and researchers that have been displayed solid expertise in their specific fields of study.

The only statement that I feel needs clarification is toward the bottom of the Section "Examples of sustained endeavors by NE1942 participants include:" and in then repeated in the "2a. Pre-harvest" section. The statement "The CA station collaborates on the investigation of woody breast causes a measurement method in broilers". It appears that this statement is incomplete and needs additional clarification.

Your Recommendation:

Approve/continue project

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2. Achievable goals/objectives:

Excellent

3. Appropriate scope of activity to accomplish objectives:

Excellent

4. Potential for significant outputs(products) and outcomes and/or impacts:

Excellent

5. Overall technical merit:

Excellent

Comments

This is an impressive and expansive project. Very impressive outputs from the last 5-year cycle. Good cooperation across groups and some important research areas proposed. Appreciate the inclusion of AI technology. Strong team that should generate impactful data. May have been the uploading system but some editing issues throughout, lots of commas randomly through document.

Your Recommendation:

Approve/continue project