



MinnesotaCorn

RESEARCH & PROMOTION COUNCIL

PROGRESS REPORT

PROJECT TITLE: Whole Corn Grain Meal Inclusion in Commercial Shrimp Feeds

PROJECT NUMBER:

REPORTING PERIOD: July – September 2016

PRINCIPAL INVESTIGATOR: Dr. Jonathan Holt

ORGANIZATION: tru Shrimp Systems

PHONE NUMBER: 1-844-220-7574

EMAIL: Jon.Holt@ralconutrition.com

1.) PROJECT ACTIVITIES COMPLETED DURING THE REPORTING PERIOD.

Stability testing completed on diets. Nutrient contents of diets confirmed. Main trial completed. Secondary trial completed to confirm results for extremes in initial trial. Data has been collected for all trials and is currently being evaluated using statistical software program SAS.

2.) IDENTIFY ANY SIGNIFICANT FINDINGS AND RESULTS OF THE PROJECT TO DATE.

At the completion of the trial, health exams revealed some possible lack of digestibility or other intestinal damage in many of the shrimp, except in one treatment. We typically do not conduct health checks on a large number of shrimp and by the time the problem was possibly isolated to certain treatments, all other shrimp had been discarded. Therefore, a decision was made to run another trial with less treatments that would allow for another opportunity to conduct health exams and determine if the problem was due to the feed treatments or perhaps it was already a problem with the shrimp used for the trial. The second trial has been completed and we are awaiting statistical analysis.

3.) CHALLENGES ENCOUNTERED. *(Describe any challenges that you encountered related to project progress specific to goals, objectives, and deliverables identified in the project work plan.)*

The experimentation will now be complete by September 1, 2016. A preliminary report will be complete and sent to the Minnesota Corn Growers Association by November 1, 2016 (6 months after the project began).

A second round of testing was conducted to confirm initial findings. An additional report for the second trial will be completed and sent to the Minnesota Corn Growers Association by February 1, 2017.

4.) FINANCIAL INFORMATION *(Describe any budget challenges and provide specific reasons for deviations from the projected project spending.)*

No budgetary deviations have been noted thus far in the research project.

5.) EDUCATION AND OUTREACH ACTIVITIES. (*Describe any conferences, workshops, field days, etc attended, number of contacts at each event, and/or publications developed to disseminate project results.*)

No educational or outreach activities have been attended or scheduled to date.