

**NATIONAL PROCESSED RASPBERRY COUNCIL
Research Committee
Teleconference: October 29, 2015, 9:00 a.m.
Meeting: November 2, 2015, 4:00 p.m.**

Committee Members Participating October 29, 2015:

Adam Enfield Val Shepler
 Sukh Kahlon Rob Dhaliwal Rolf Haugen
 Jon Cotton Erin Thoeny

Others Participating:

Tom Krugman Tarun Harit Britt Burton-Freeman
 Tom Skilton Allison Beadle

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 Brad Rader

x = present o = absent

A. Call to Order; Establish Quorum; Approve Minutes

The conference call was called to order by Adam at 9:00 a.m. with a quorum present. As there were communication problems, it was decided to approve the minutes and then recess the meeting, to be reconvened during the upcoming Council meeting. On a motion by Adam and seconded by Erin, minutes from the February 11, 2015, April 9, 2015, May 14, 2015, and June 29, 2015 conference calls were unanimously approved.

The meeting was recessed at 9:15 a.m. by Adam.

A quorum was re-established on November 2, 2015 at 4:00 p.m.

B. FY 2015 September Progress Report

Adam began by noting that in reviewing the project tracker it appeared that most projects were moving forward with no major problems. He commented on the product sensory issues being experienced in one project, but that a workable solution had been achieved. Britt commented that it was not unusual in a long term human study that study volunteers might experience

issues with the product. Tartness was a potential issue, especially if a study is long-term. In a short study, two weeks or less in duration, tartness is manageable, but in a study of twelve weeks or longer, it could cause some subjects to drop out due to GI Distress as being experienced by Juma.

Looking two similar projects examining the impact of raspberries on diabetes, Britt noted her project was focused on lowering risk while Basu's project addressed diabetes management. Coming from two different directions will provide a more complete view for future studies. Britt is also examining the role of fermentable fibers in the gut which has potential for raspberries.

Crozier's project is complete with papers being submitted for publication. Allison is working with him to generate a press release to support the papers when published. Britt noted that projects such as Crozier's, examining metabolic compounds that are bioactive, help support the call-out for berries in the fruit category of the Dietary Guidelines.

Britt made a general comment on how different design models can influence the results. Specifically she mentioned using a mouse model where the mice are genetically pre-disposed to obesity or using healthy mice and feeding to induce obesity as two different approaches.

Discussion continued on Sablani's UV-C project as it is showing promising results. It was agreed that the technology could be implemented. Questions were raised regarding the level of pathogenic reduction necessary (largely depended on the pathogen load; if low, the 5 log not necessary), whether nutrients were destroyed by the process (phytochemicals are not impacted because of shortness of dosage), and whether there would be flavor and sensory changes (it was believed there should not be a change but this would need to be examined).

Rolf asked about the validity of an article that stated organically produced raspberries had greater nutritional benefit than conventionally grown raspberries. Britt had reviewed the original study's results which did not show statistical difference, and noted questions with the experimental design and a statistical approach that would tend to increase false positives.

Allison was asked how the Council is supporting research from the marketing side. She said that regular quarterly reporting by researchers has helped keep in touch with progress and notable events, such as publication of results or presentation at professional symposia. When noted, she works with the researcher to identify key takeaways, and develops a press release to be released coincidental to either publication or presentation. Social media activity is also planned, and collateral used with health communicators is updated. She summarized by saying that research is the fuel of the marketing program, and with papers being published or presented more frequently now and scheduled in the near future, there is new fuel being added all the

time. She expects this trend to continue with the new projects being funded, most with a one or two year timeline.

Finally, there was discussion regarding development of a standardized powder and placebo to be used in feeding studies. This was a finding from the Raspberry Roundtable. Allison, Britt, and Tom will work on preparing a proposal for future consideration on how this could be accomplished and the creation of a sample bank for research.

C. Adjourn

Adam suggested that the next committee conference call would be scheduled after the next set of progress reports are received in early 2016. As there was no further business to discuss, the meeting unanimously adjourned at 5:30 p.m. on a motion by Rob and seconded by Rolf.