



RESISTANCE TO AVAILABLE ANTIBIOTICS IN LACTATING COWS WITH MASTITIS

(PRJ-0110-2016)

University of Pretoria (ML van der Leek, Principal Investigator)

Quarter 4 2016 (October 2016 till December 2016)

Project goals

Goal 1 - Mastitis survey among SA milk producers; herd visits for verification of survey data; collection of additional data; analysis of the survey data; and writing up the SCC study: January to June 2016

Achievements

It was an uneventful, but laborious quarter. A decision was made to 1) resubmit the surveys to respondents for the purpose of filling in their blanks, 2) to again request limited but specifically selected data where they did not (such as mastitis culls) & 3) collect 3rd party data following permission being granted. The last of this data was received on the 16th of Nov & subsequently entered into the database. Analysis to follow.

No Non-achievements / underperformance has been reported

Goal 2 - Testing of mastitic milk samples at the milk laboratory of the Faculty of Veterinary Science, Onderstepoort (ongoing)

Achievements

We now have a total of 372 samples, up from 328 at the end of the third quarter.

No Non-achievements / underperformance has been reported

Goal 3 - Collection and collation of microbial isolation and sensitivity testing data from other laboratories (ongoing)

Achievements

The preparation of the 2017 proposal facilitated the arrangements being made both with Allerton, & Dr Caryn Shacklock, and with the Deltamune Milk Laboratory in Oudtshoorn, & Etienne van Zyl. The participation of Dr Nenene Qekwana has been better defined.

No Non-achievements / underperformance has been reported

Goal 4 - Analysis of Somatic Cell Count (SCC) fluctuation data (ongoing)

Achievements

Given their unfamiliarity with the South African dairy industry & the project goals, a summation was prepared for our Utrecht collaborators. This included a preliminary descriptive analysis to detect any likely SCC seasonal trends. This document is attached.

No Non-achievements / underperformance has been reported

Income and expenditure statement

Income and expenditure statement	A0Y232 UP_CC_SUM 2016 170115.pdf milk sa update finances 2015 2016 part.docx
Unnecessary spending during period	No

Popular Report

[milk sa update 170115.docx](#)

Additional documentation

[utrecht scc summary lategan vdl.docx](#)

Statement

Levy funds were applied only for the purposes stated in the contract	Yes
Levy funds were applied in an appropriate and accountable manner	Yes
Sufficient management and internal control systems were in place to adequately control the project and accurately account for the project expenditure	Yes
The information provided in the report is correct	Yes