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Technical Report

Program and KPI: Sub-program 4.1 KPI 3.29

Report Title: Compilation of final reports for data flow to industry information delivery systems

Prepared by: Rea Alexandri, Sam Walkom and Daniel Brown
Animal Genetics and Breeding Unit, University of New England

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Executive Summary

The program worked with supply chain collaborators to map out the issues and future requirements to provide enhanced feedback to commercial producers and industry databases. Programs 4 and 5 worked together with the MLA, ISC, LDL and other groups with supply chain projects to improve both communication and collaboration of activities creating a great collaborative platform to continue this approach into the future. A number of case studies were initiated with variable levels of success due to supply chain interruptions and issues with data collection. The lack of reliable hook tracking is more sheep plants still possess a major imposition to the routine collection of individual animal level data. The program has also invested a significant effort to assist with the flow of data from supply chains to industry databases. This work needs to continue to ensure that accurate data is easily exchanged with minimal impost on the supply chain.

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1 Subprogram 4.1 Data flow to industry information delivery systems

1.1 Producer feedback systems

The program's aims were to ensure data collected during processing flow back to existing databases and producers. Facilitating data flow from existing and new technologies in an interpretable form can increase the ability to select for improved lean meat yield and eating quality. Data flow was achieved through three main components:

- Enhanced data capture by recording additional conditions observed during processing and contributing this data to processor information systems and industry databases.
- Links to existing databases by integrating kill floor data with feedback pipelines and ensuring data for animals with genetic background information can be used in genetic evaluation.
- Fostering new/improved feedback systems by engaging with MLA and collaborating processors to deliver interpretable information to and facilitating its use from commercial producers

The program engaged with LDL/ISG group to enhance ALMTech/LDL/ISC alignment. Programs 4 and 5 held regular meetings with LDL and ISC staff to ensure alignment of activities and data flow from processors through to industry databases and back to breeders. The program conducted several case studies however their success was limited by supply chain interruptions and issues with data collection.

The lack of reliable hook tracking sheep plants still represents a major barrier to the routine collection of individual animal level data. The program has also invested a significant effort to assist with the flow of data from supply chains to industry databases. This work needs to continue to ensure that accurate data is easily exchanged with minimal impost on the supply chain.

The program has also successfully worked with MLA, ISC and LDL to map out improved pathways to connect databases across the supply chain and facilitate improved flow of data. This has also covered the collection and flow of data from animals of genetic interest back to the genetic evaluation systems.

1.1.1 KPI 3.29.1 Maintain participation and engagement with the LDL advisory group, ISG and Program 5 to enhance ALMTech/LDL alignment.

1.1.2 KPI 3.29.2 Collaborate with JBS and other processors to complete hook tracking projects started with Sheep CRC with JBS to test the data pipeline from processing to feedback systems (LDL), then genetic evaluation systems

1.2 Co-ordination across organisations

A key activity of this program was to foster improved communication and integration of activities across organisations and with supply chains. To achieve this Program 4 and 5 worked together with the MLA, ISC, LDL and other groups with supply chain projects to improve both communication and collaboration of activities. Throughout the life of the project, this has improved greatly and set a great platform to continue this approach for ongoing projects.