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TECHNOLOGY & STANDARDS COMMITTEE

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The Examination of Decrimped Staple Length to Differentiate Atypical Wool Types as a Potential Aid to Purchasing and Processing Prediction.

By

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BRIEFING PAPER

SUMMARY OF FINDINGS

AWTA Ltd has commenced a trial to examine the processing characteristics of individual sale lots comprised of 'atypical' wool types. Such an investigation complements the commercial processing of consignments in the TEAM3 trial. Initial analyses of Hauteur prediction using the current TEAM2 formula have highlighted under-prediction of belly-wool types. Other results indicate that a new parameter, Decrimping Ratio, has the potential to differentiate between wool lots with extreme levels of staple crimp. For example, belly-wool types typically have high levels of staple crimp and high Decrimping Ratios. The incorporation of Decrimping Ratio into future prediction formulae is being evaluated as a means of improving prediction accuracy for wools with atypical Decrimping Ratios.

COMMERCIAL IMPLICATIONS – CURRENT AND FUTURE

This paper has no immediate commercial implications. However, upon completion of this trial there is potential to provide wool buyers with guidance when purchasing such 'atypical' wool types and longer-term, to improve the prediction of Hauteur, CV(Hauteur) and Romaine for these wool types. This may be achieved through the incorporation of new parameters into the prediction formulae.

NOTE

This paper will be presented at the Commercial Technology Forum held 1100-1300 Saturday 10th May 2003.