

Wool Lab Update
January 2022





BILL SIMS WOOL AND MOHAIR RESEARCH LABORATORY

Research and Extension Center

San Angelo, Texas



Project History— 2019-2021

- Retirement and closure of Yocom-McColl Wool Testing Laboratory.
- July 2019- Industry stakeholder meeting in San Angelo- discuss possible solutions for a domestic commercial wool testing laboratory.
- Business plan created, equipment sourced.
- Sheep Venture Company commits \$384,00.00 to project.
- Usage agreement between TAMU and ASI/SVC signed.
- Arrival of equipment end of August 2021



COMMERCIAL WOOL TESTING LAB Business Plan and Financial Proposal

SUBMITTED BY:

Texas A&M AgriLife Research and Extension Center at San Angelo
7887 U.S. Highway 87 North
San Angelo, TX 76901

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December 11, 2019

BILL SIMS WOOL AND MOHAIR RESEARCH LABORATORY

- Continuing a century of wool research and testing.
- Enduring and strong partnership with the American Sheep Industry Association.
- Brand workforce founded in its service to wool producers.
- Geographically located in a historic region of large wool and mohair production.
- Lab facility housed in a large and well-built commercial building.
- Majority of testing equipment already in place and operational.
- Active NIR department within the wool lab.



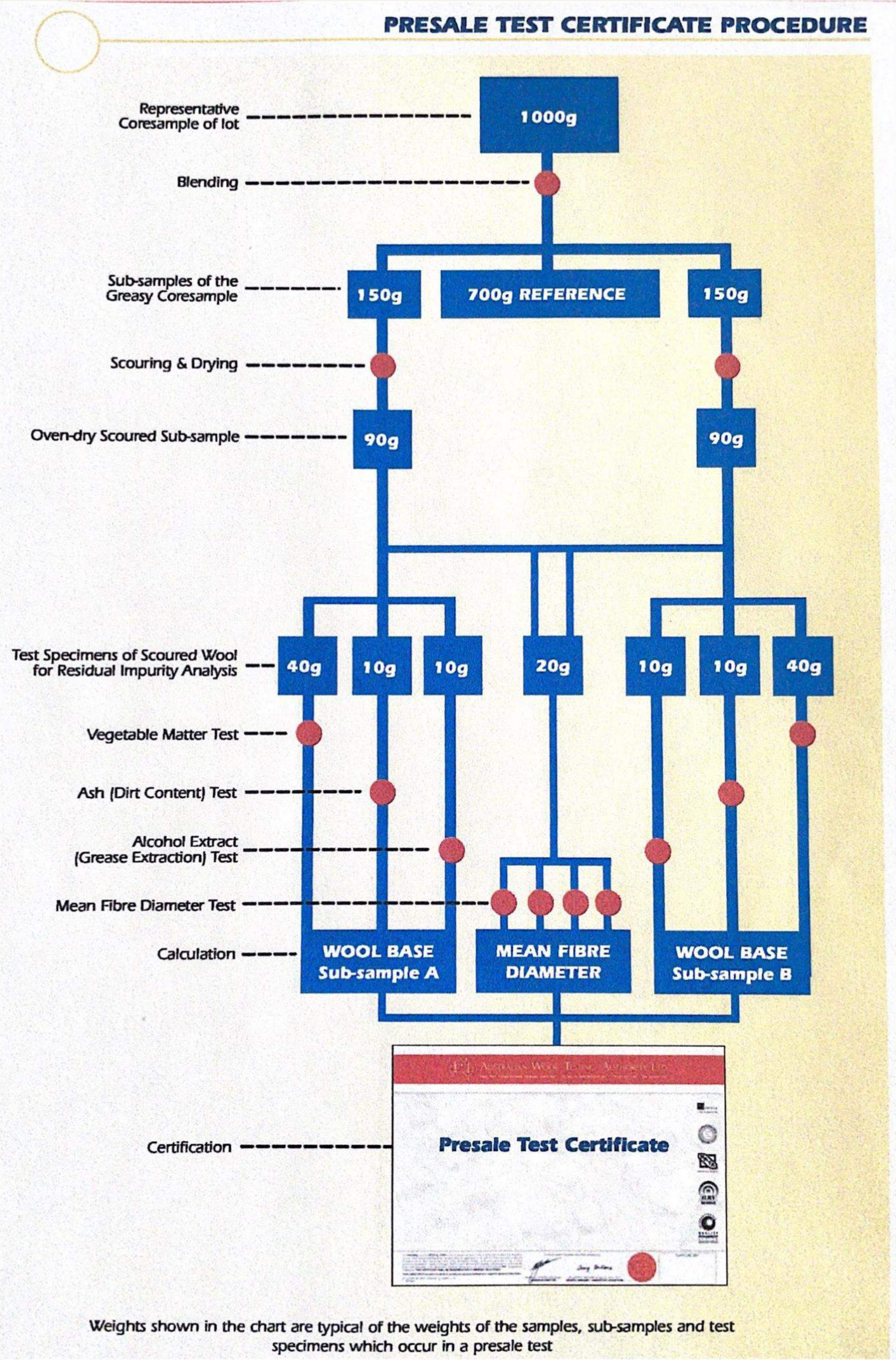
Lab Progress Milestones 2019-2022

Goal to create a domestic lab that provides the US commercial wool industry with New Zealand quality services- fast, precise, client convenience.

- Facility improvements
- Employee additions
- AWTa equipment delivery, installation and training
- Soap trials with scouring system
- Conversion from ASTM to IWTO
- Data trials with US residual wool samples shipped from NZWTA
- NIR equation building
- Acceptance by Interwoollabs- international Round Trial participation
- Updated Laserscan Windows 10
- Client portal with e-commerce
- LIMS



IWTO 19- WOOL BASE AND VEGETABLE MATTER BASE
IWTO 12- LASERSCAN FIBER DIAMETER





- Scouring and drying system
- Centrifuge
- Ash oven
- Wet chemistry















AgriLife Wool Facility



BILL SIMS WOOL AND MOHAIR RESEARCH LABORATORY



Overview of Services

The Bill Sims Wool and Mohair Research Laboratory was founded in 1985 and is one of only two laboratories in the US that conduct commercial and research-based testing for sheep and goat fibers. The mission of the BSWMRL is to conduct timely and precise laboratory testing for the commercial wool industry, research institutions, and individual producers.

iLab Portal

- Register for account
- Sample submission forms
- Electronic payments
- Sample progress milestones
- Reports accessible



Texas A&M University
AgriLife Wool Facility

Form associated with:
Service Project ALWF-CR-[CID] at AgriLife Wool Facility
Owner: Connor Researcher (iLab Test (Testing) Lab)

NEW Commercial Wool Testing PAYMENT FORM

PAYMENT INFORMATION

Instructions

Enter the quantity of each service required then click the green' Add selected services' button. The requested quantities will be added to this request.
The final quantities entered in the form will be saved to the form when the request is submitted. Payment will be completed on the View All Request tab.

Services:

Commercial Core Test Lots - Average Fiber Diameter/Yield/VM

Micron (Laserscan) Only

***Only click ADD SELECTED SERVICES BUTTON ONCE and confirm selection at the bottom of this page.**

Instructions for payment with credit card

If you are paying with a credit card, you will first submit your request, then use the external link from the View All Request tab to direct you to FLYWIRE for payment.

Shipping Address for Samples and Payment by Check

Bill Sims Wool and Mohair Research Laboratory
Texas A&M AgriLife Research and Extension Center
7887 US Hwy 87 North
San Angelo, Texas 76901

If you are paying by check, please provide the check number (N/A if not applicable): 1234

SAMPLE INFORMATION

Sample Form: [Commercial Wool Testing Request-With Country Drop Down \(1\) \(1\).pdf](#)

Upload sample form(s) here:

[ALWF-CR- CID _woollabequationdatasheet](#)

[ALWF-CR- CID _Wool Lab Equations.webloc](#)

If you have more than five sample forms, please use the following instructions:

[INSTRUCTIONS TO ADD ADDITIONAL SAMPLE FORMS](#)

Bill Sims Wool and Mohair
Research Laboratory

Texas A&M AgriLife Research and Extension San Angelo Center



Client Details

Name:	<input type="text"/>
Address:	<input type="text"/>
Country:	<input type="text" value="Country"/>
State:	<input type="text" value="State"/>
Zip Code:	<input type="text"/>
Phone Number:	<input type="text"/>
Email Address:	<input type="text"/>

Testing Requirements

- ☒ Full Report (Yield/VM/Micron)
- ☐ Laserscan Micron Only

Declared Details

Number of Bales:	<input type="text"/>
Lot Number:	<input type="text"/>
Brand:	<input type="text"/>

Wool Type

- ☐ Greasy
- ☒ Scoured

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7887 US Hwy 87 North
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Tel. [325.653.4576](tel:325.653.4576)
woollab@ag.tamu.edu
<https://sanangelo.tamu.edu/bsl/>

Date: October 06, 2021

TEST REPORT

Test No

Brand:

Greasy Wool

Client ref:		Gross Mass:	5463 lb
Total Bales:	15	Declared Tare:	45 lb
Bale Numbers:	1 - 15	Net Mass:	5418 lb

Yield Test Results

Wool Base (IWTO-19): 50.69 %
(2 samples tested)

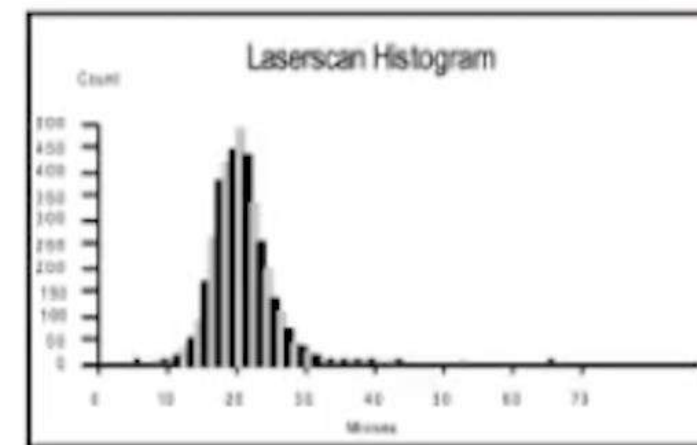
Vegetable Matter Base (IWTO-19): 1.96 %
(Including 0.00% Hard Heads and Twigs)

Calculated Commercial Yields

	%	lb
IWTO Scoured Yield at 16%	62.5	3386
IWTO Schlumberger Dry 1%	57.2	3096
IWTO Scoured Yield at 17%	63.0	3415
IWTO Clean Wool Content	60.7	3287
ASTM Clean Wool Fiber Present	58.9	3193
Japanese Clean Scoured Yield at 16%	59.7	3234

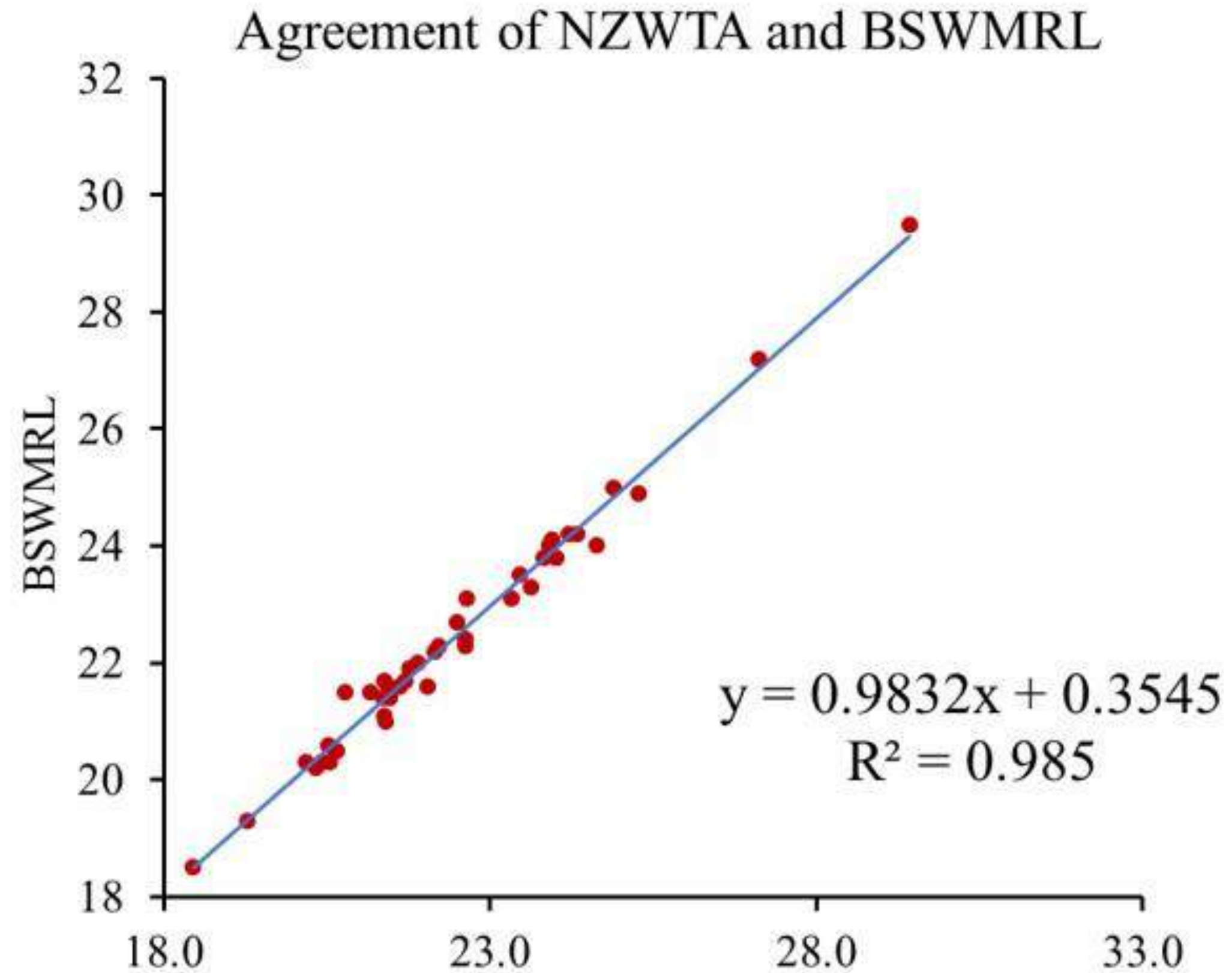
Laserscan (IWTO-12)

Mean Fiber Diameter: 19.0 μ m
(4 specimens)



BSWMRL Fiber Diameter Testing Performance

- 40 Samples tested on LaserScan
- Samples were compared on a 1:1 comparison
- Resulting analyses demonstrated 98.5% agreement between the two labs
- With 99% confidence, there is no statistically significant difference between BSWMRL and NZWTA for diameter testing





START DATE
FIRST QUARTER
2022 CLIP

