



PRECISION
FIBRE
ANALYSIS

AUSTRALIA

SEMINAR DEMONSTRATION REPORT

Genetic Focus

Mid-side Fibre Report

SEMINAR DEMONSTRATION

Australia | Huacaya + Suri | 2024-2026

6 alpacas | 3 Huacaya + 3 Suri

Precision Fibre Analysis report presentation

FIBRE MEASUREMENT

GENETIC FOCUS REPORT

Important report boundary

This report presents objective OFDA 2000 fibre measurements, measured phenotype, peer context and Annual Tracking. It is not an Estimated Breeding Value, genomic prediction, mating recommendation or guarantee of inherited performance.

Precision Fibre Analysis | Prepared by Art of Fibre

Your Genetic Focus record

6 alpacas | latest measurement period 2026 | seminar presentation record

ALPACAS

6

animals

CURRENT RECORDS

6

latest records

ANNUAL REPEATS

4

animals with 2+ years

YEARS

3

maximum history

Breed-specific key averages

Huacaya and Suri are summarised separately

HUACAYA | 3 alpacas

AFD
19.6
micron

SD Across
4.12
micron

Staple
106
mm

SURI | 3 alpacas

AFD
21.7
micron

SD Across
5.63
micron

Staple
153
mm

Annual Tracking

Huacaya: Wattle, Jarrah | Suri: Opal, Pearl - repeat-year histories

How to read peer position

Percentile first, direct rank second



Score-length bar

The coloured fill ends at the alpaca's percentile; the remaining track stays neutral.

Example



66th percentile

Direct rank example: 35th lowest of 100

Percentile

A 66th-percentile result fills 66% of the track. The colour identifies the established percentile band.

Direct peer basis

Region, breed, Official Colour, exact age and sex are matched when the colour subgroup is eligible.

Direct rank

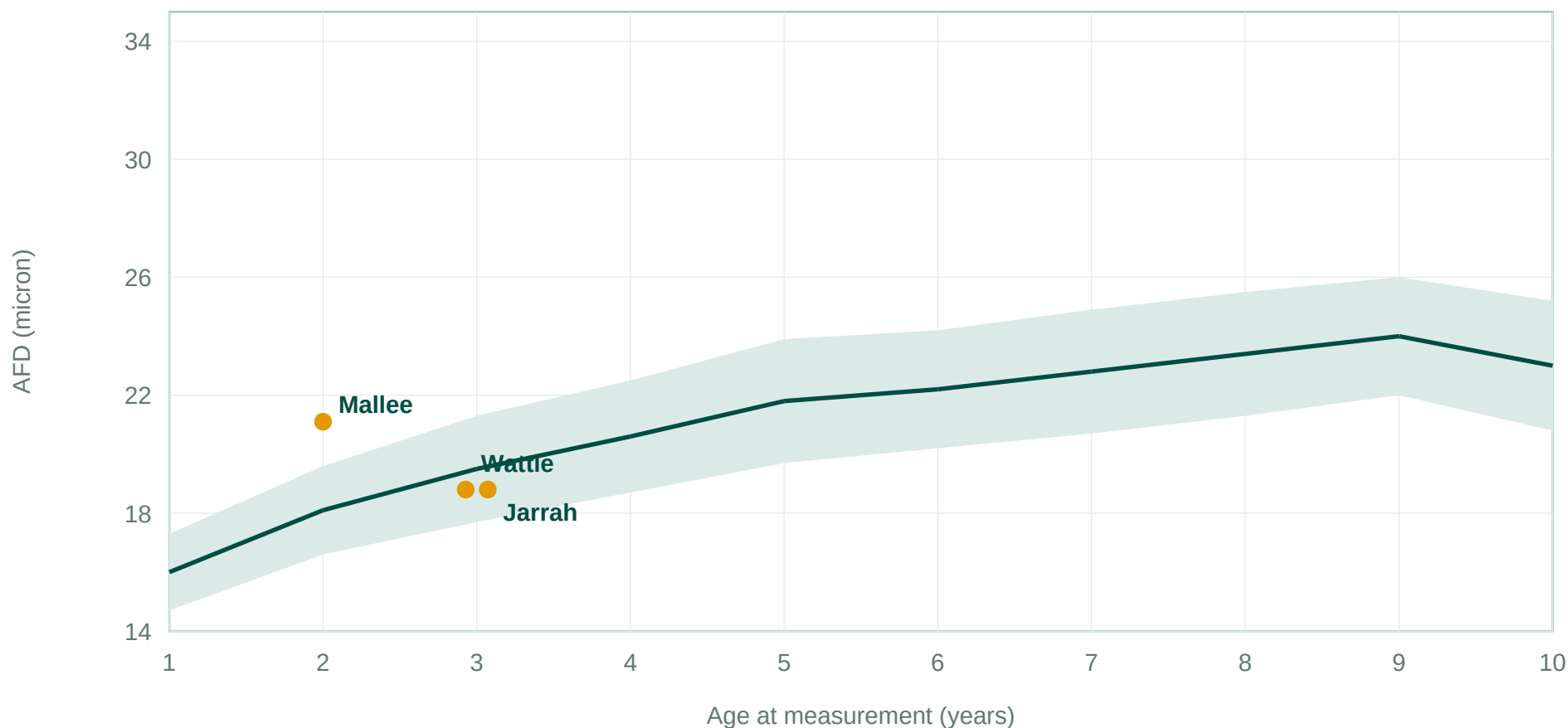
The exact position and matched peer-group denominator stay beside the percentile.

Unavailable comparison

Where a defensible peer comparison is unavailable, no scored bar or rank is shown.

Average fibre diameter by age

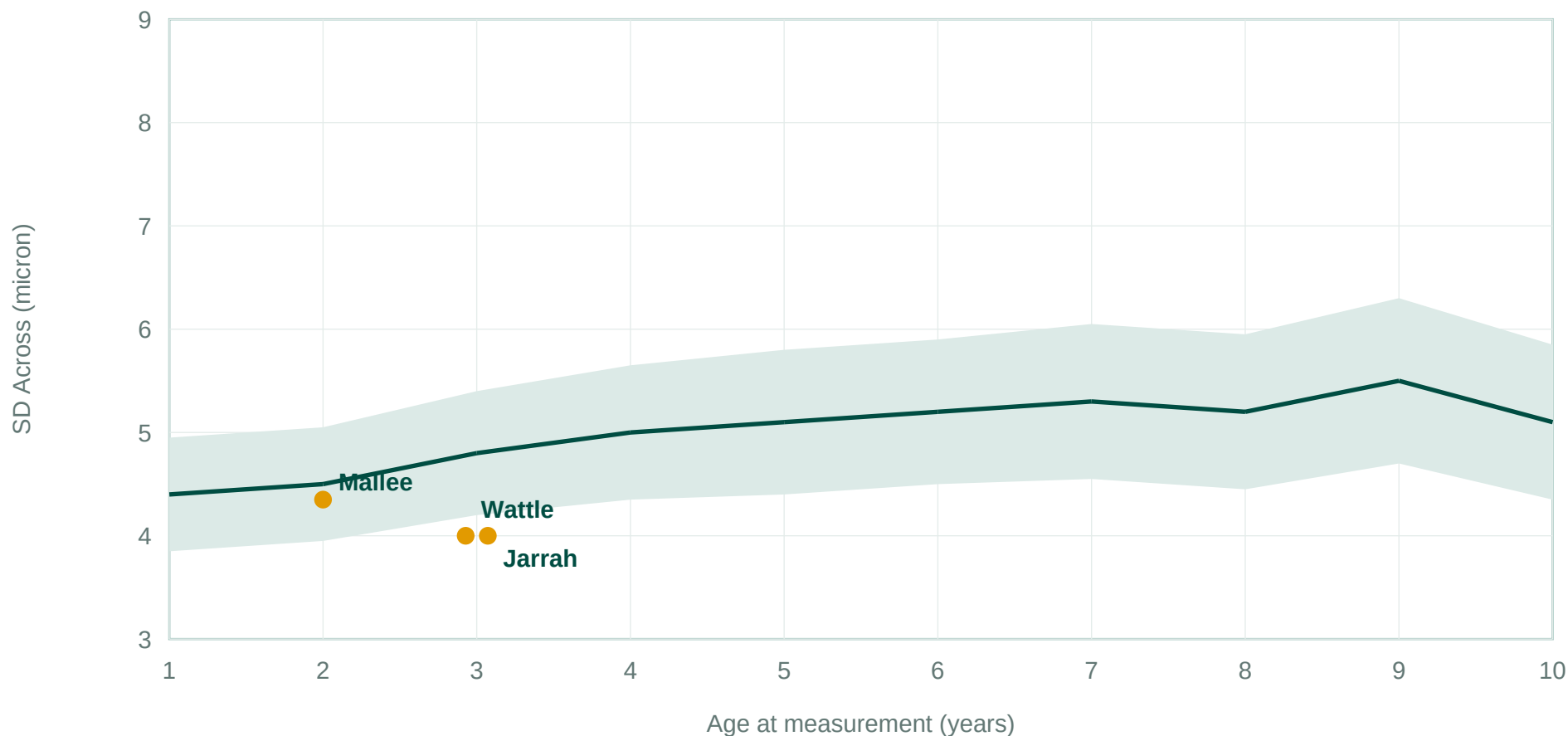
Current Huacaya results against the age-related Art of Fibre Combined Interim reference



Art of Fibre Combined Interim age-related Huacaya reference. Dark line = reference midpoint; shaded area = middle 50%. Gold points = the three current seminar animals. Values are interpreted as measured phenotype, not genetic merit.

SD Across by age

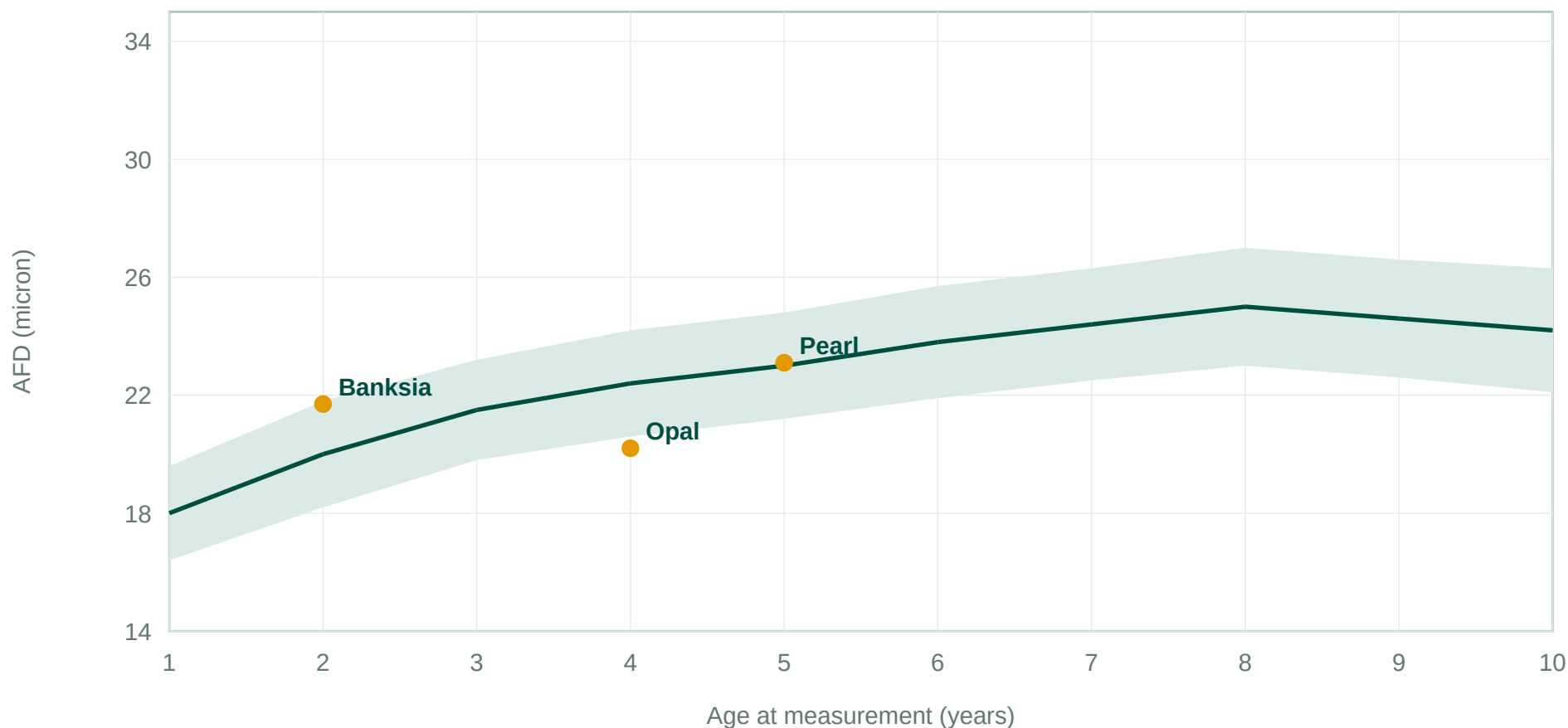
Current Huacaya results against the age-related Art of Fibre Combined Interim reference



Art of Fibre Combined Interim age-related Huacaya reference. Dark line = reference midpoint; shaded area = middle 50%. Gold points = the three current seminar animals. Values are interpreted as measured phenotype, not genetic merit.

Average fibre diameter by age

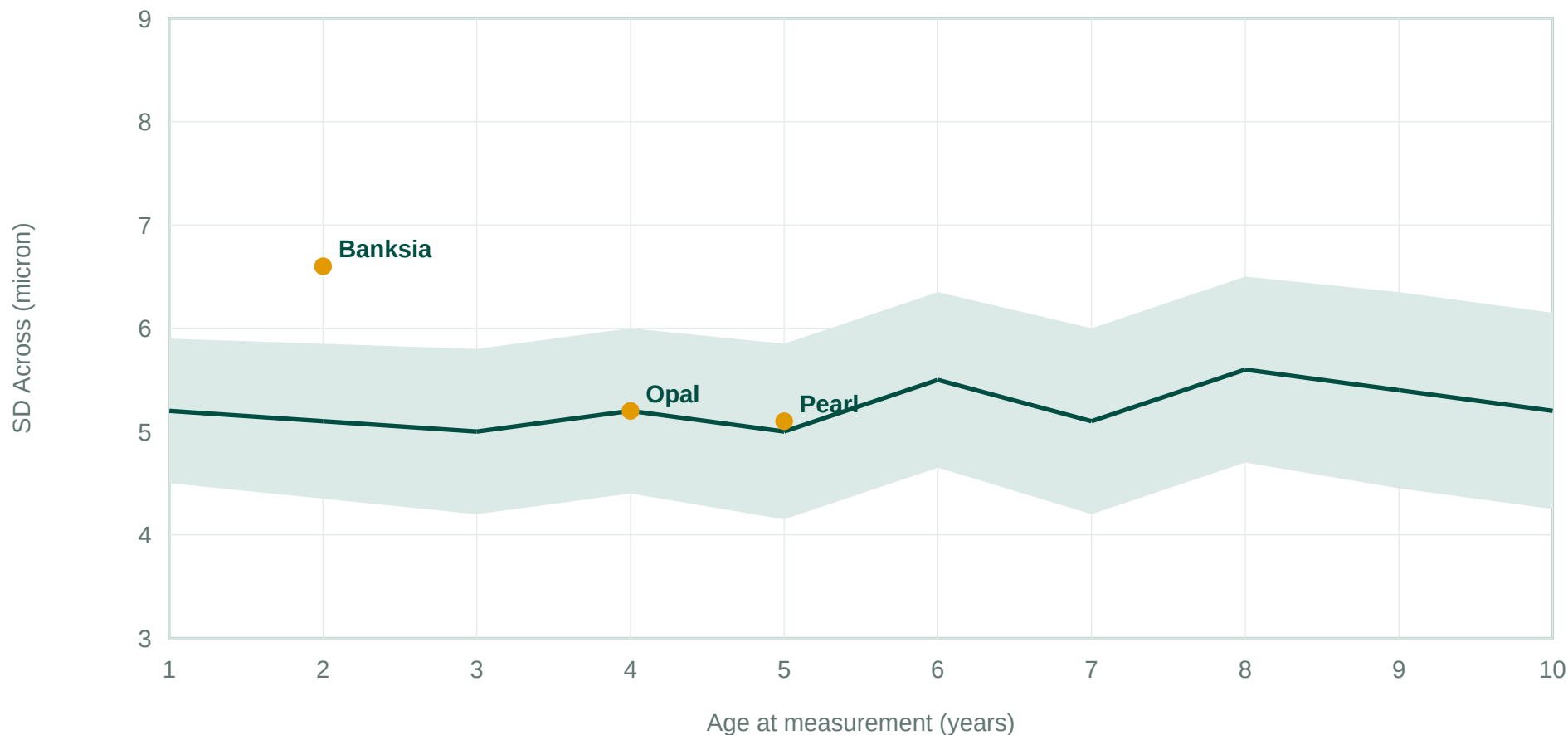
Current Suri results against the age-related Art of Fibre Combined Interim reference



Art of Fibre Combined Interim age-related Suri reference. Dark line = reference midpoint; shaded area = middle 50%. Gold points = the three current seminar animals. Values are interpreted as measured phenotype, not genetic merit.

SD Across by age

Current Suri results against the age-related Art of Fibre Combined Interim reference



Art of Fibre Combined Interim age-related Suri reference. Dark line = reference midpoint; shaded area = middle 50%. Gold points = the three current seminar animals. Values are interpreted as measured phenotype, not genetic merit.

All alpaca results at a glance

Complete current Mid-side fibre results - one alpaca per row

Alpaca	Age	Sex	Colour	AFD	SD Across	SD	CEM	Comfort	SD Along	Curv.	Staple	Fibres <15	Min dia.	Max dia.
Wattle (H01)	3	F	White	18.8	4.00	3.6	5.9	99.9%	1.2	47.5	105	14.6%	16.9	21.3
Jarrah (H02)	3	F	White	18.8	4.00	3.6	5.9	99.9%	1.2	44.0	101	14.6%	16.9	21.3
Mallee (H03)	2	M	Medium Brown	21.1	4.35	3.8	8.3	98.4%	1.5	45.5	112	6.2%	17.6	26.0
Opal (S01)	4	F	White	20.2	5.20	4.0	6.6	99.3%	1.4	19.5	150	9.7%	18.0	23.1
Banksia (S02)	2	M	Light Fawn	21.7	6.60	5.2	8.6	94.5%	1.8	18.0	148	9.9%	18.8	25.5
Pearl (S03)	5	F	Medium Fawn	23.1	5.10	4.1	7.4	97.6%	1.5	18.8	160	4.5%	19.2	27.8

Every current OFDA measurement remains on the same row for that alpaca. Individual pages add direct peer context; animals with repeat records also receive a complete Annual Tracking page.

Summary of superior ranking results

Quick-glance results that meet the controlled top-20% / eligible N threshold

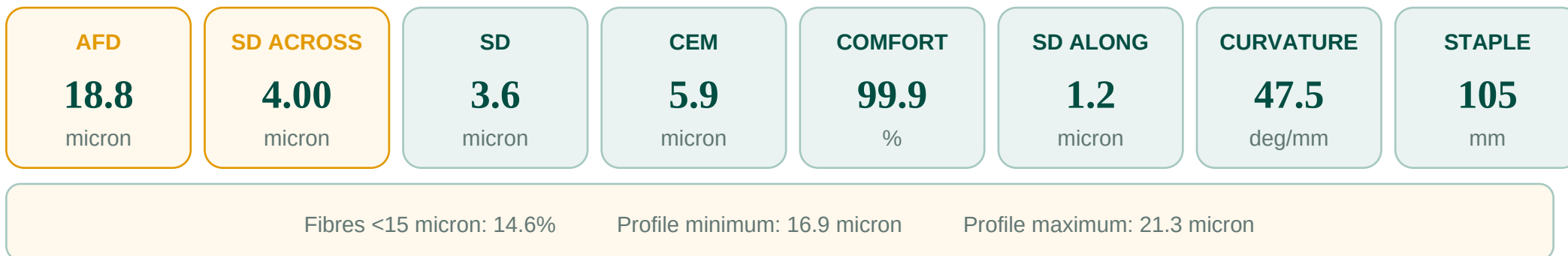
Alpaca / breed	Trait	Result	Percentile	Direct rank
Wattle Huacaya	AFD	18.80 micron	90th	12th finest of 120
Wattle Huacaya	Comfort Factor	99.90 %	95th	6th highest of 120
Jarrah Huacaya	AFD	18.80 micron	90th	12th finest of 120
Jarrah Huacaya	Comfort Factor	99.90 %	95th	6th highest of 120
Opal Suri	AFD	20.20 micron	82nd	20th finest of 112
Opal Suri	Comfort Factor	99.30 %	93rd	8th highest of 112

This is a trait-by-trait quick-glance summary. It is not an overall animal score and not a breeding recommendation.

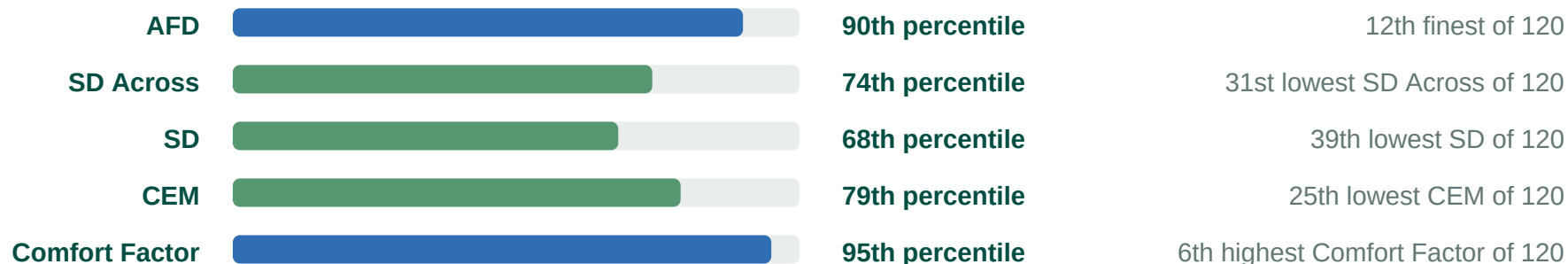
Wattle

3-year-old White Huacaya female | Animal ID H01 | 15 September 2026

Peer basis: Art of Fibre Combined Interim | Huacaya | White | age 3 | Female | n=120 | colour-matched



Peer position for measured comparison traits



Annual Tracking: 3 years on record - complete year-by-year history follows.

Wattle - Annual Tracking

Every recorded year retained for quick comparison

Year	Age	AFD	SD Across	SD	CEM	Comfort	SD Along	Curv.	Staple	Fibres <15	Min dia.	Max dia.
2024	1	17.4	3.60	3.2	5.3	100.0	1.1	49.0	100	22.7	15.6	19.7
2025	2	18.2	3.80	3.4	5.6	100.0	1.2	48.2	103	17.3	16.3	20.7
2026	3	18.8	4.00	3.6	5.9	99.9	1.2	47.5	105	14.6	16.9	21.3

Latest vs previous

AFD

+0.6

micron

Latest vs previous

SD Across

+0.20

micron

Latest vs previous

Staple

+2

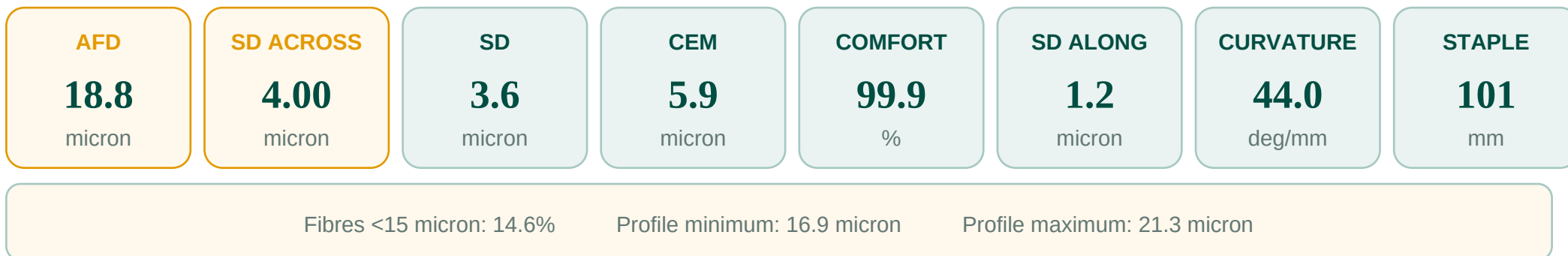
mm

Changes describe measured phenotype, not genetic change. Staple length can reflect fleece-growth period, season, nutrition and management; a change is not automatically an improvement or deterioration.

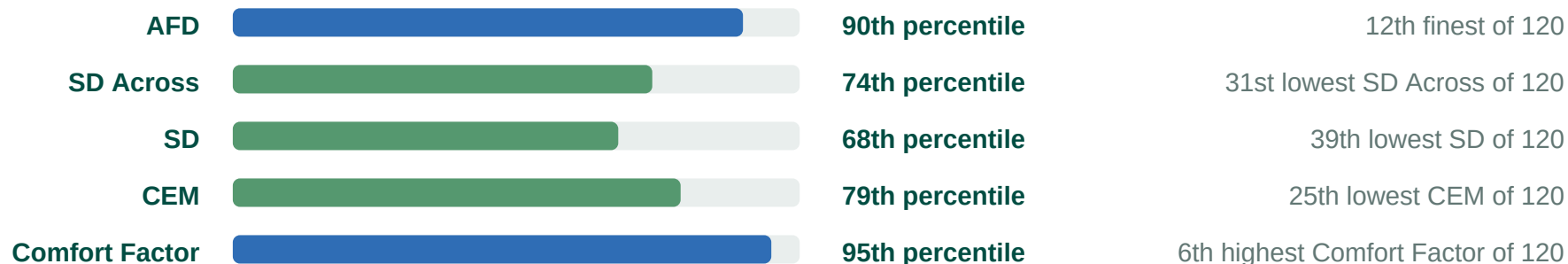
Jarrah

3-year-old White Huacaya female | Animal ID H02 | 15 September 2026

Peer basis: Art of Fibre Combined Interim | Huacaya | White | age 3 | Female | n=120 | colour-matched



Peer position for measured comparison traits



Annual Tracking: 2 years on record - complete year-by-year history follows.

Jarrah - Annual Tracking

Every recorded year retained for quick comparison

Year	Age	AFD	SD Across	SD	CEM	Comfort	SD Along	Curv.	Staple	Fibres <15	Min dia.	Max dia.
2025	2	18.4	3.85	3.5	5.7	100.0	1.2	44.8	99	16.9	16.5	20.9
2026	3	18.8	4.00	3.6	5.9	99.9	1.2	44.0	101	14.6	16.9	21.3

Latest vs previous

AFD

+0.4

micron

Latest vs previous

SD Across

+0.15

micron

Latest vs previous

Staple

+2

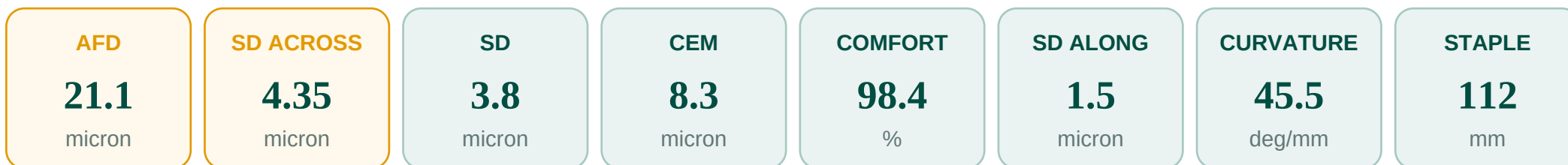
mm

Changes describe measured phenotype, not genetic change. Staple length can reflect fleece-growth period, season, nutrition and management; a change is not automatically an improvement or deterioration.

Mallee

2-year-old Medium Brown Huacaya male | Animal ID H03 | 15 September 2026

Peer basis: Art of Fibre Combined Interim | Huacaya | Medium Brown | age 2 | Male | n=44 | colour-matched

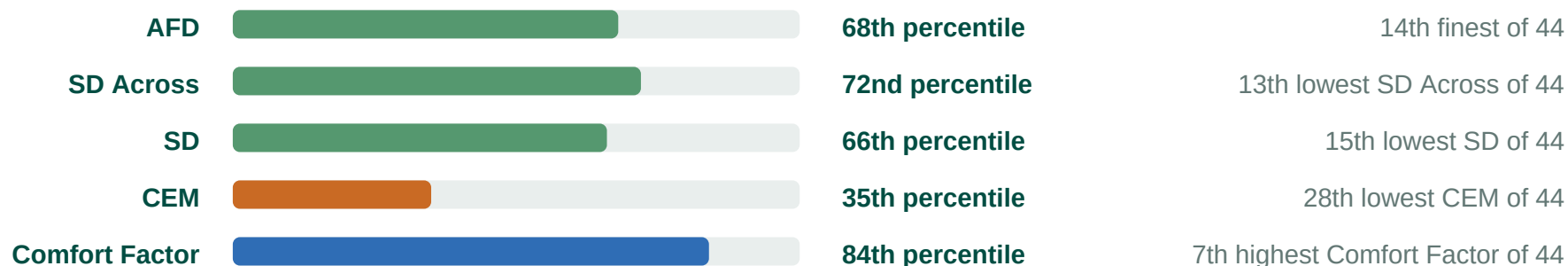


Fibres <15 micron: 6.2%

Profile minimum: 17.6 micron

Profile maximum: 26.0 micron

Peer position for measured comparison traits

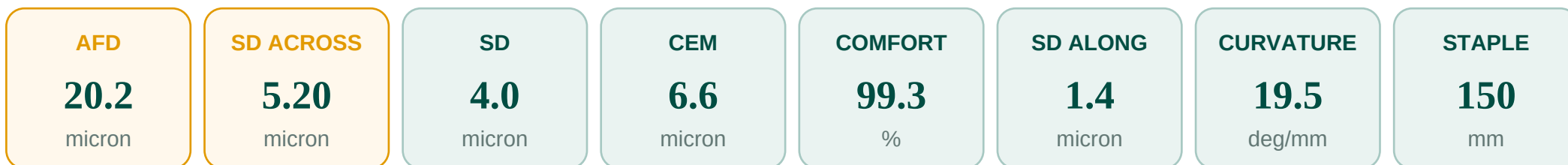


Annual Tracking: baseline established - first year on record.

Opal

4-year-old White Suri female | Animal ID S01 | 15 September 2026

Peer basis: Art of Fibre Combined Interim | Suri | White | age 4 | Female | n=112 | colour-matched

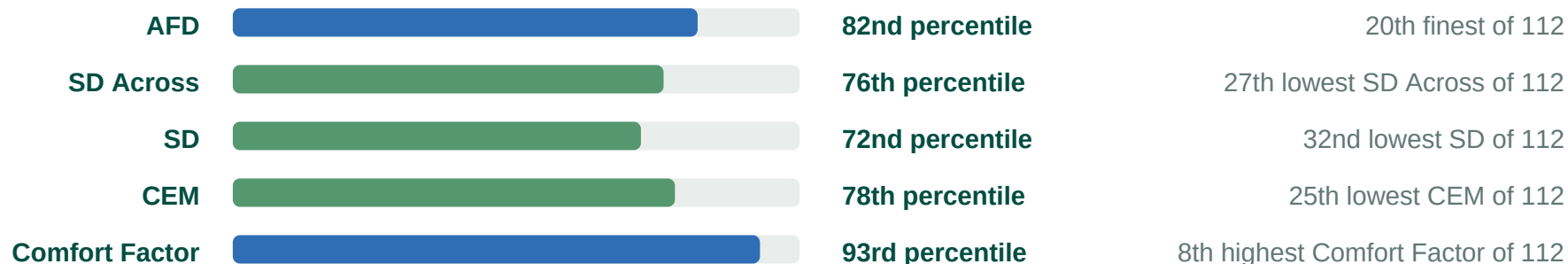


Fibres <15 micron: 9.7%

Profile minimum: 18.0 micron

Profile maximum: 23.1 micron

Peer position for measured comparison traits



Annual Tracking: 3 years on record - complete year-by-year history follows.

Opal - Annual Tracking

Every recorded year retained for quick comparison

Year	Age	AFD	SD Across	SD	CEM	Comfort	SD Along	Curv.	Staple	Fibres <15	Min dia.	Max dia.
2024	2	19.0	4.70	3.8	6.3	99.8	1.3	20.5	145	14.6	16.9	21.7
2025	3	19.6	5.00	3.9	6.4	99.6	1.4	20.0	148	11.9	17.4	22.5
2026	4	20.2	5.20	4.0	6.6	99.3	1.4	19.5	150	9.7	18.0	23.1

Latest vs previous

AFD

+0.6

micron

Latest vs previous

SD Across

+0.20

micron

Latest vs previous

Staple

+2

mm

Changes describe measured phenotype, not genetic change. Staple length can reflect fleece-growth period, season, nutrition and management; a change is not automatically an improvement or deterioration.

Banksia

2-year-old Light Fawn Suri male | Animal ID S02 | 15 September 2026

Peer status: no defensible same-breed comparison available for the submitted Suri context.



Peer position for measured comparison traits

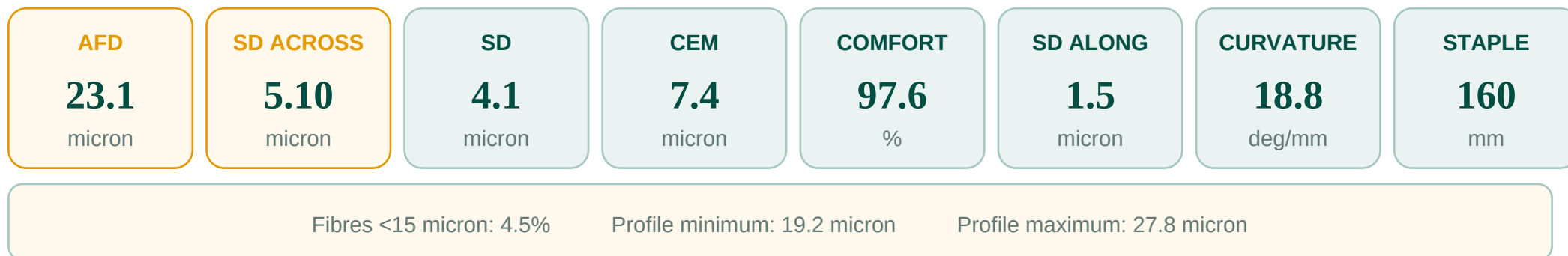
AFD	Peer comparison unavailable
SD Across	Peer comparison unavailable
SD	Peer comparison unavailable
CEM	Peer comparison unavailable
Comfort Factor	Peer comparison unavailable

Annual Tracking: baseline established - first year on record.

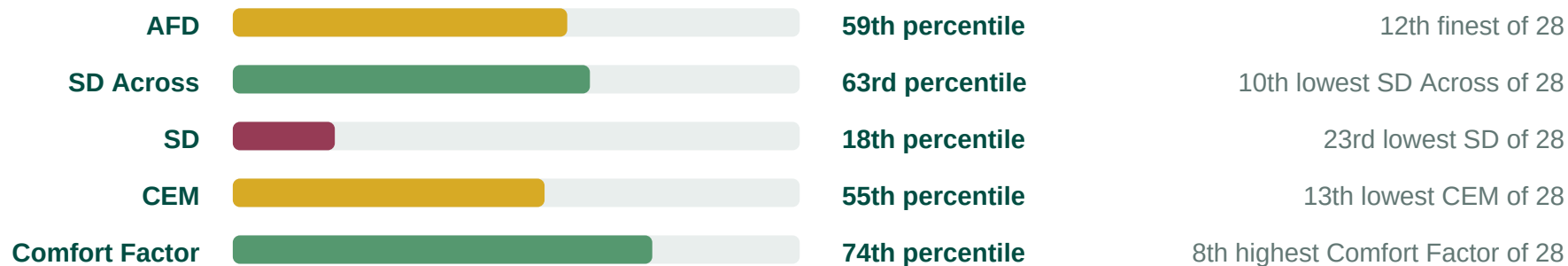
Pearl

5-year-old Medium Fawn Suri female | Animal ID S03 | 15 September 2026

Peer basis: Art of Fibre Combined Interim | Suri | Medium Fawn | age 5 | Female | n=28 | small/provisional colour-matched



Peer position for measured comparison traits



Annual Tracking: 2 years on record - complete year-by-year history follows.

Pearl - Annual Tracking

Every recorded year retained for quick comparison

Year	Age	AFD	SD Across	SD	CEM	Comfort	SD Along	Curv.	Staple	Fibres <15	Min dia.	Max dia.
2025	4	22.5	4.90	4.0	7.2	98.1	1.5	19.2	155	5.7	18.7	27.0
2026	5	23.1	5.10	4.1	7.4	97.6	1.5	18.8	160	4.5	19.2	27.8

Latest vs previous

AFD

+0.6

micron

Latest vs previous

SD Across

+0.20

micron

Latest vs previous

Staple

+5

mm

Changes describe measured phenotype, not genetic change. Staple length can reflect fleece-growth period, season, nutrition and management; a change is not automatically an improvement or deterioration.

Keep building the record

Comparable annual measurement turns a single result into a useful history

Keep the identity consistent

Use the same permanent animal identification each year. Record breed, sex, age, Official Colour and the actual sampling or shearing date.

Keep the sampling comparable

Use the agreed Mid-side sampling method each year. For Grid measurement, keep Shoulder, Mid-side and Hip/Hind separate and linked.

Keep the context

Retain fleece-growth period and relevant management notes. Descriptive annual differences are measured phenotype, not genetic change.

Keep the whole fleece in view

Fineness and within-sample uniformity are not the same as consistent values between body sites. Three-site Grid measurement adds that perspective.

Measure the fibre. Understand the context. Build the history.

Genetic Focus organises measured fibre phenotype and eligible peer context. It does not create EBVs or genomic predictions.