



Rogue's Lodestar at Pines Edge

Pines Edge Suri Alpacas
12245 Melba Road
Black Forest CO

Date: 08.25.25
Farm ID: 11141

Registry #	36235223	Gender	Male	Date of Birth	06.12.23
Breed	Suri	Color	360 - Bay Black	Last Shear Date	06.12.23
Sire	RGSA Phoenix	Sample Location	mid-side	Sample Date	06.04.25
Dam	Rogue's Elvira			Age at Sample	1y 11m (24m)

FINENESS

Mean Fiber Diameter (MFD)	19.9 μm
Maximum Diameter	23.2 μm
Minimum Diameter	19.5 μm

UNIFORMITY

Fiber Diameter SD (FDSD)	4.7
Coefficient of Variation (CVD)	23.5 %
Course Edge Micron (CEM)	9.9 μm

COMFORT

Comfort Factor	96.3 %
% Fibers > 30 μm	3.7 %
% Fibers < 15 μm	10.3 %

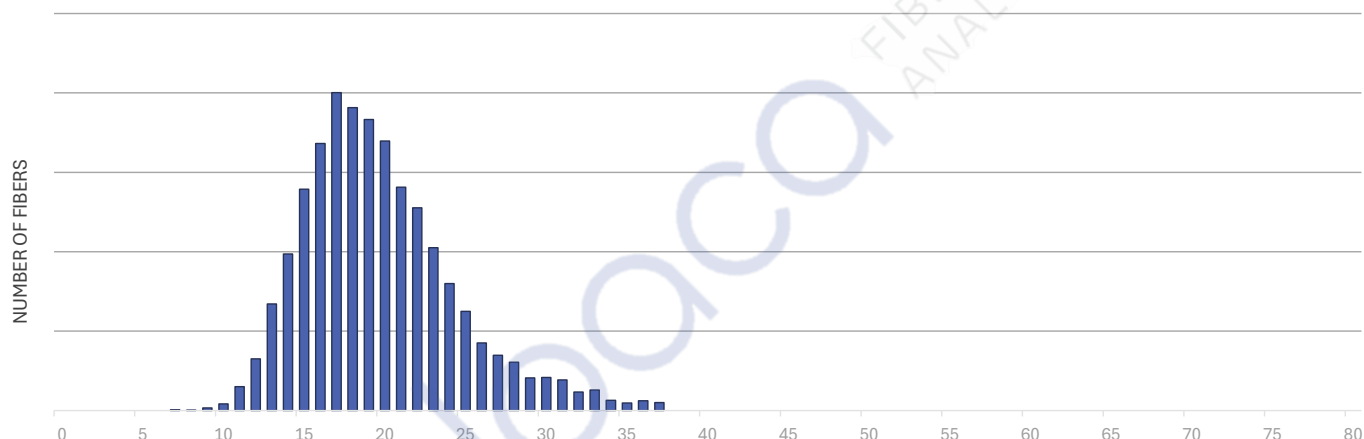
HANDLING / PROCESSING

Mean Fiber Curvature (MFC)	19.0 deg/mm
Fiber Curvature SD (FCSD)	22.2
Spinning Fineness (SF)	19.8

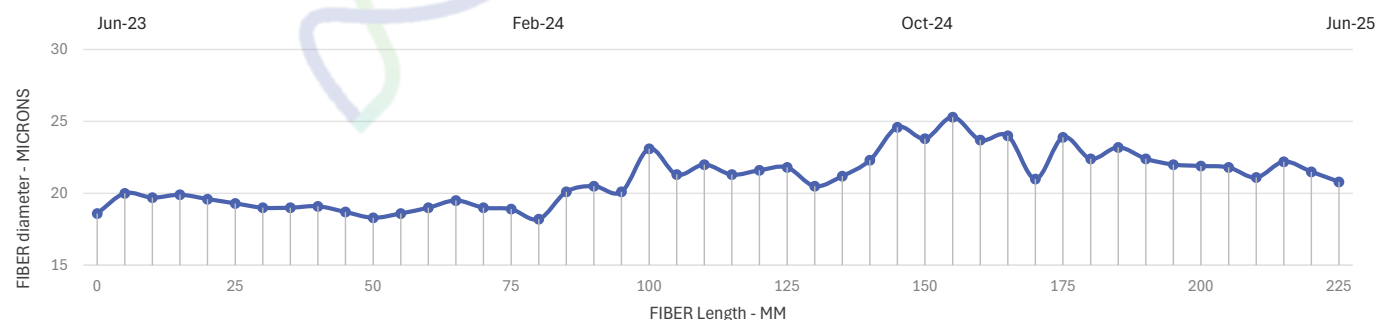
GROWTH

# of Fibers Evaluated	10241	Mean Staple Length	230 mm
		Growth rate per day	0.3 mm
		Finest point from Tip	30 mm

MICRON UNIFORMITY



FINENESS OVER TIME





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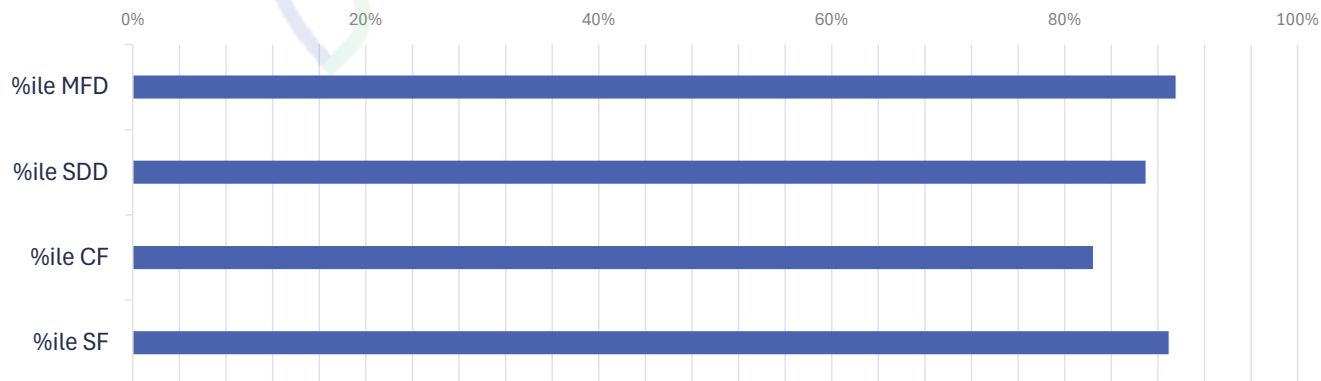
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COMPARABLE DATA

	Lodestar	Suri	Suri Male	Suri 1-2 Age Range	Suri Black Color Group	Suri BL-1 Color:Age
Mean Fiber Diameter (μm)	19.9	24.4	23.6	20.3	25.5	23.2
Standard Deviation (μm)	4.7	5.6	5.4	4.9	6.0	5.7
Coefficient of Variation	23.5	23.0	23.1	0.2	23.7	24.4
Spinning Fineness (μm)	19.8	24.3	23.5	20.4	25.6	23.4
% Fibers > 30 μm	3.7	17.2	14.9	5.2	22.7	12.3
Comfort Factor (% $\leq 30\mu\text{m}$)	96.3	82.8	85.1	94.8	77.3	87.7
Mean Staple Length (mm)	230	145	154	173	138	189
Mean Curvature (deg/mm)	19.0	15.3	16.1	16.5	14.3	15.3
SD Curvature (deg/mm)	22.2	14.9	15.3	16.6	15.0	16.8

Percentile Rank vs All 1-2 Year Old Black Suri



This data should be used for reference only. The tests were performed on the OFDA2000 using standard testing protocols.

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