

EABS Fiber Standards for Sires

The following measurements are offered as benchmarks for evaluating the fiber quality of males being considered for sire duties.

The statistical categories reflect performance figures required to place the animal in the best category of animals (projected) in the national herd.

The figures are for white huacaya males with coloured animals moving 1 micron micron and one percent for each colour away from white through fawn, brown, grey to black.

To meet the percentage limit, the animal must test below the figures quoted.

Age at shearing (months)	Best 2.5%		Best 5%		Best 10%		Best 25%	
	Mic	CV	Mic	CV	Mic	CV	Mic	CV
6 to 12	16.8	18.8	17.7	19.6	18.7	20.6	20.3	22.2
12 to 24	17.1	16.0	18.3	16.9	19.6	18.0	21.9	19.9
24 to 36	19.3	15.1	20.4	16.1	21.8	17.3	24.1	19.3
36 to 48	20.4	15.0	21.7	16.0	23.1	17.2	25.5	19.1
48 to 60	20.3	15.6	21.9	16.5	23.6	17.4	26.5	19.4
60 to 72	21.9	15.3	23.2	16.3	24.7	17.5	27.2	19.5

Breeders must take into account that fiber tests done at locations other than that where the male is standing may not reflect the values that may apply in the new location.

Body condition can skew test results so an allowance must be made for animals that exceed a score of 3 on a scale of 1 to 5.

Test results have a statistical reliability within the range of + or - 1 micron so alpacas testing 1 micron higher than the limits listed above cannot be said to be outside the limit. In other words, a male testing 18.1 micron at 12 to 24 months of age statistically could fall within the category limits of best 2.5%.

Elite Alpaca Breeding Systems

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