

Cotton - the Future

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Board Member and Chair Spinners Committee.

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Telephone version 1



1916

Telephone version 1.2



1926

Telephone version 2.0

2% of the
population



1980's

Telephone version 3.0



2016 - 100% availability

Reflection

- * Smart phone appeared a niche market
- * Today - integration data in all relevant global net works, sharing of data, within the whole supply chain horizontally and vertically
- * Billions on line today
- * As of 2015, India was the third one line market in the world, with more than 198 million internet users, ranked only behind China and the United States



So How Does this Dynamic Revolution Apply to the Classing of Cotton?

Cotton Classing version 1.0



1916

Cotton Classing version 2.0?



Random sampling
2016

Cotton Classing version 2.0



2016

Cotton Classing version 3.0???

- * Seems Cotton Classing being left behind.
- * Cotton classification of the future, needs to upgrade to version 3.0 fully with instruments ideally basis 100% sampling
- * Such technology more than just faster produces vital information for breeders, farmers, traders, merchants and spinners, and the final consumer
- * Data collected is available on-line for all stakeholders - farm to the supply chain, - governments and policy makers of the future.

Cotton Classing version 3.0???

- * We need to increase the use of this technology though out India and the world for all cotton, and thereby ensure also the future efficient trading of cotton.
- * Reliability in measurement/data empowers sellers to negotiate prices and also build reputation as suppliers of cotton that is fully consistent in its measurements.
- * Though instruments exist for this evolution, not fully utilised for efficient trading and in India only for about 2% production.

Cotton Classing version 3.0



Cotton Classing version 3.0



Cotton Classing version 3.0



Cotton Classing version 3.0

- * If Steve Jobs was here today he would say
- * *Such technology will strengthen the sustainability of the cotton industry, the natural environment and delicate social relations within the cotton market as a whole, propelling the production and processing of cotton as one of the cornerstones to the way of conducting business within our global village.*
- * HVI technology vital to sustain and stand up to the attack from synthetic fibers, like polyester.
- * If we don't take up these technological advances, we shall have our cotton business as the white gold of the textile industry, being run to ground by their technology.

Intrinsic Values of Cotton as measured by HVI

- * Grade
- * Strength
- * Length
- * Length Uniformity
- * Micronaire
- * Maturity
- * Short Fibre Index





From these Intrinsic Values of Cotton

we can calculate a combination

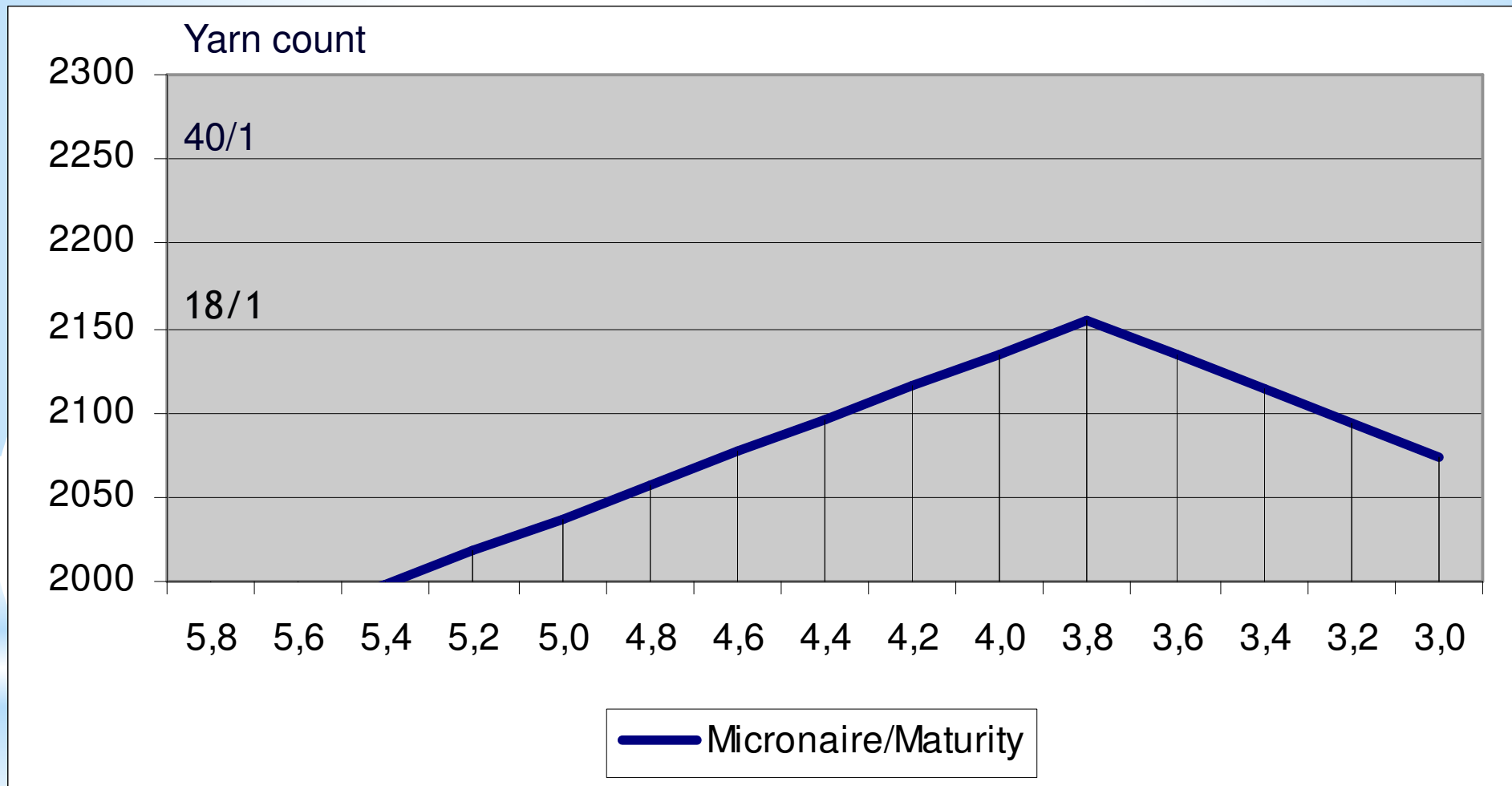
COUNT **S**TRENGTH **P**RODUCT

CSP

Count Strength Product CSP

MICRONAIRE and MATURITY

CSP

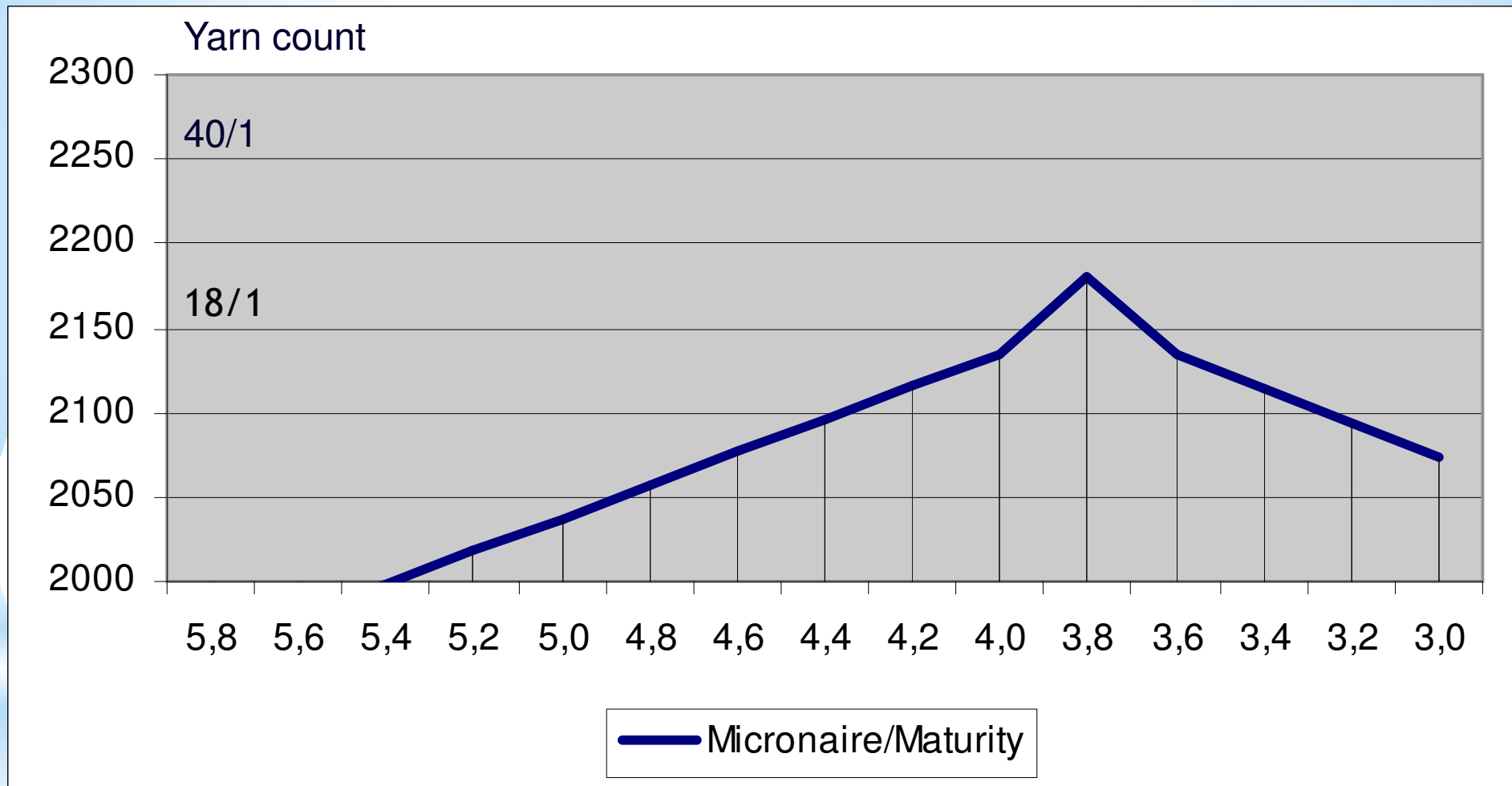


Length 1,10 - Strength 28,00 g/tex - **Mic 3.8** - Uniformity 80
RD 76.00 - Plus b 8.00 - Leaf 4 - Maturity 83-79

Count Strength Product CSP

MICRONAIRE + STRENGTH

CSP

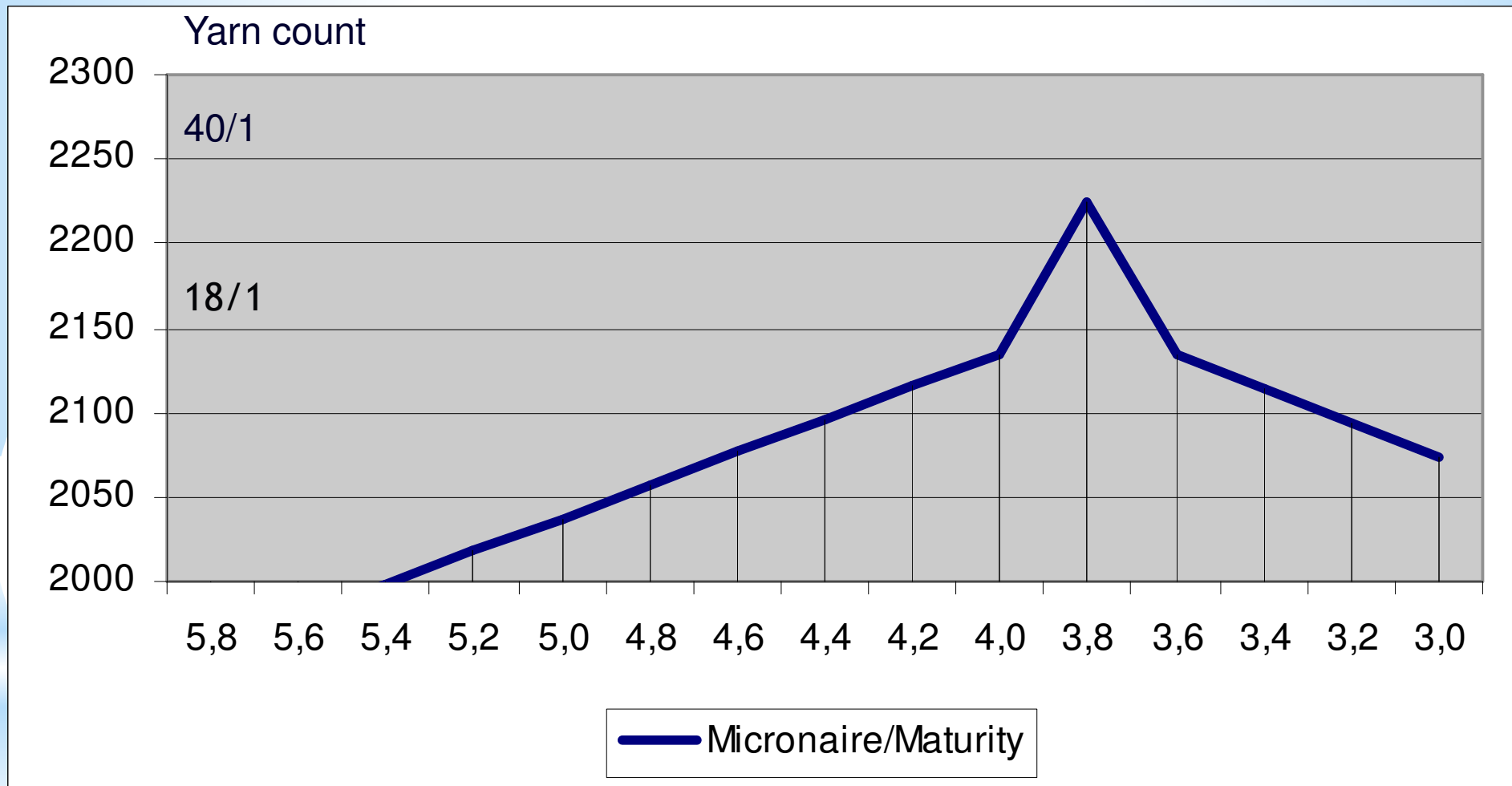


Length 1,10 - Strength 31,00 g/tex - Mic 3.8 - Uniformity 80
RD 76.00 - Plus b 8.00 - Leaf 4 - Maturity 83-79

Count Strength Product CSP

MICRONAIRE + UNIFORMITY

CSP

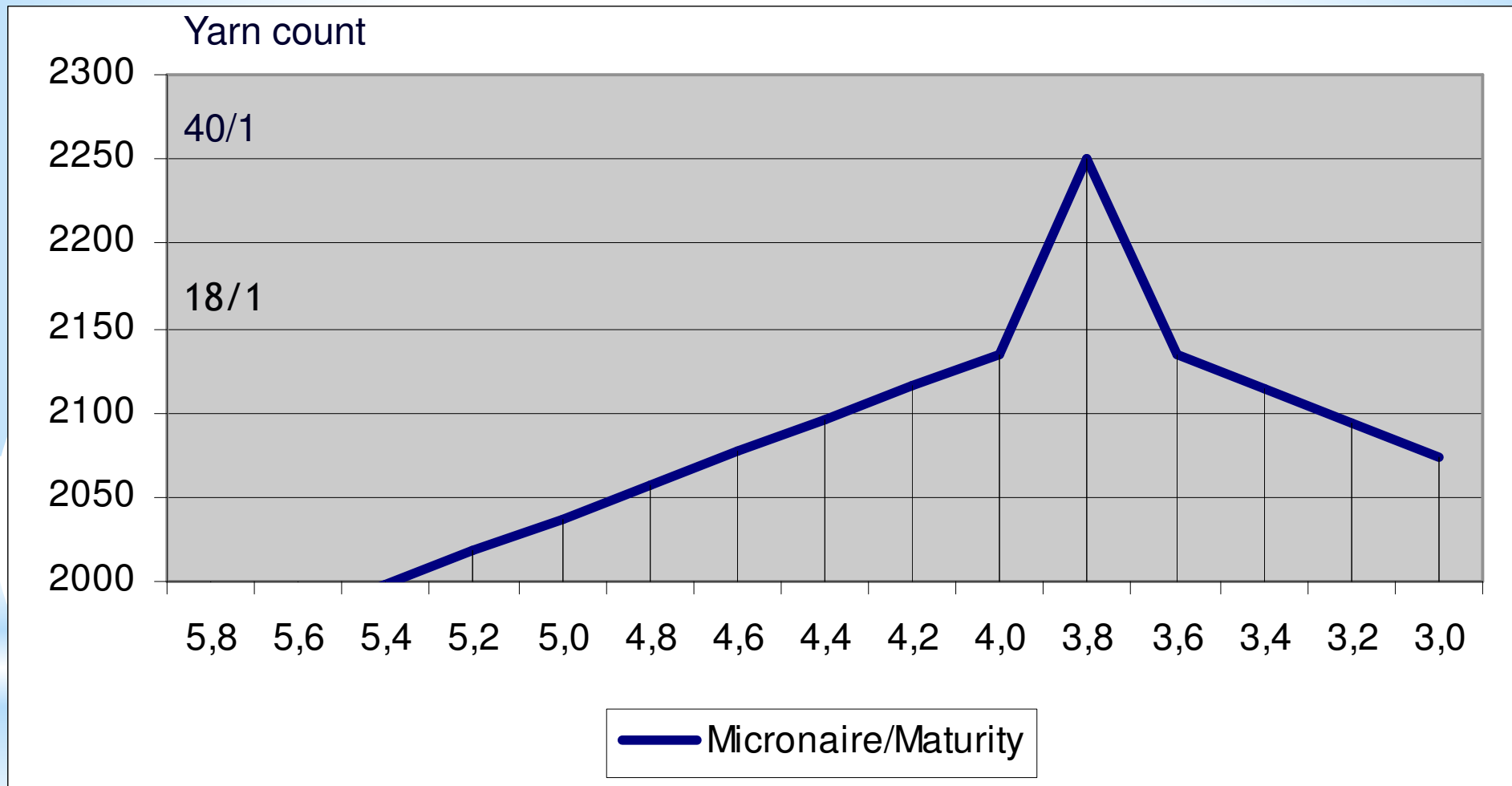


Length 1,10 - Strength 31,00 g/tex - Mic 3.8 - Uniformity 83
RD 76.00 - Plus b 8.00 - Leaf 4 - Maturity 83-79

Count Strength Product CSP

MICRONAIRE & LENGTH

CSP



Length 1,13 - Strength 31,00 g/tex - Mic 3.8 - Uniformity 83
RD 76.00 - Plus b 8.00 - Leaf 4 - Maturity 83-79

Count Strength Product CSP

However depends on

CONSISTENCY

Cotton weakness as compared synthetics

India Cotton Classing version 3.0

- * Would create 'Premium' Indian cotton.
- * Would compete on equal footing in an already competitive market.
- * Other countries are putting programs in place for testing cotton if India does not upgrade their program they will fall behind.
- * An Indian database of cotton testing results will help in the traceability of cotton, any increase would improve India's position.
- * India will be able to create a database of "best practices" for quality cotton.
- * Having a database will allow in the future a "Seam" like ability to offer cotton in addition to exchanges such as MCX
- * Possibly in the future allow for data transfer for cotton on the ICE World Contract

QUOTE from a Director of ITMF

Cotton is loosing ground every second. In 50 years, "no-one" will wear cotton anymore, like today "no-one" wears linen anymore

Question: "Is the Textile Industry ready for the post-cotton age?"

Answer: "With instrument testing there will be no post cotton age."

Thank you

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