



Consistency

IS THE NATURAL WAX LIKE SURFACE ON A COTTON FIBER ENOUGH TO OVERCOME TODAY'S DEMANDS OF PROCESSING MACHINERY?

In today's high speed processing machinery, frictional values exceed the limit set by the natural wax like surface located within the cuticle of a fiber. As a result fiber damage begins to occur during the harsh ginning environment and continues through the pre-cleaning and spinning process. **GINTEX™ Conditioning Agent's** protect this wax like surface by reducing fiber to machinery friction. Treated fibers pass freely through the processing machinery without static electricity and improved uniformity of flow increasing processing efficiencies. It has been stated;

"GINTEX simply improves the flow of cotton increasing our yarn output by reducing problems associated with both machinery and cotton conditions."

Test Results

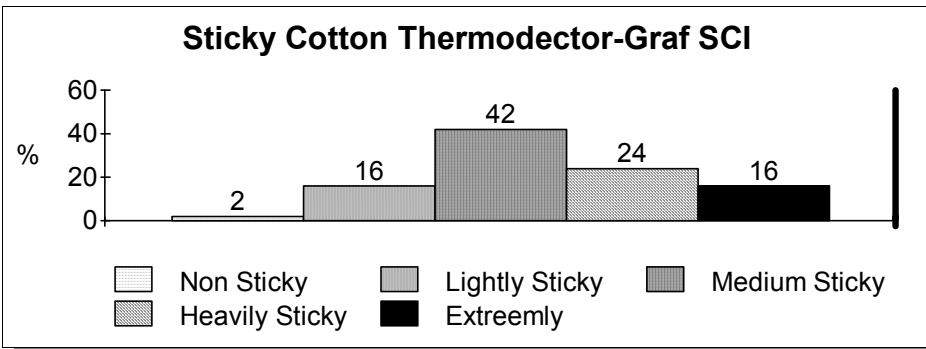
Tests show **GINTEX** reduces increases production through out the carding, drawing, roving, and drafting process.

NE 31 BLENDS	CON-TROL BRKS/1000/H	GINTEX BRKS/1000/H	CHANG E
Cards (Avg. 8)	0.8	0.4	-50%
Roving 50/50	27.2	16.4	-39.7%
67/33	22.2	15.6	-29.7%
Spinning 50/50	37.3	33.6	-9.9%
67/33	37	35	-5.4%

Sticky Cotton

As seen in Graph 1, cotton fiber containing Medium(42%) and Heavily(24%) amounts of sugar content are increasing at an alarming level. With this cotton being circulated into our marketing system problems in spinning will continue to affect the way we process fiber. **GINTEX'S** conditions both fiber and machinery reducing the build up of sugar deposits on the rollers and processing machinery. Improved fiber to foreign matter separation removes sugar specks prior to processing.

"While processing cotton containing an excessive amount of sugar, GINTEX allowed me to maintain slightly below normal processing rates which otherwise would not have been possible"



GRAPH 1: STICKY COTTON WORLDWIDE

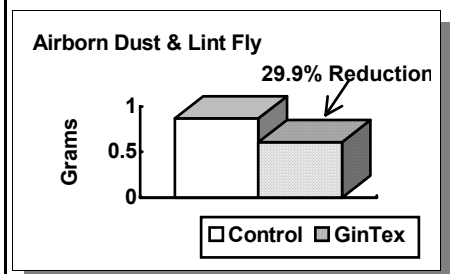
OPEN END

During Open spinning **GINTEX** measured a remarkable 50.7% reduction in the break rate per 1000 spindle hours.

Ne 8 OE	CONTROL Brk/1000/H	GINTEX Brk/1000/H
Machinery 1	218.7	104.2
Machinery 2	220.5	89.2
Machinery 3	210.9	125.0
Machinery 4	240.3	130.3
Machinery 5	220.3	94.7
Machinery 6	198.4	106.7
Machinery 7	217.1	110.4
Machinery 8	205.3	109.4
Machinery 9	218.4	99.4
Machinery 10	212.6	95.3
Average	216.0	106.4

Dust Reduction

Using dust collection ventilators mounted on top of cards 1 through 8, treated cotton measured an average 29.9% decrease in lint fly.



TECHNICAL SOLUTIONS
GINTEX™ is a non oil based/non silicon based *Cotton Fiber Conditioner* which reduce fiber to machinery friction. As a result fiber and foreign matter move freely without static electricity in the direction intended. A uniform flow of cotton improves processing efficiencies and reduces fiber damage caused by a harsh processing environment.