Table 3: Dye Performance of Fabrics

	Washfastness	Crocking		Lightfastness
	Alteration	Dry	Wet	20 Hours
RY168 Untreated	5	5	4.5	4.5
RY168 Treated	5	4.5	4	4.5
RR235 Untreated	4	4	3.5	4
RR235 Treated	5	5	3	4.5
RB235 Untreated	4.5	3.5	3.5	5
RB235 Treated	5	4	3	5
RBL5 Untreated	5	5	4	4
RBL5 Treated	5	4	2.5	3

Table 4: Dye Performance of Fabrics

	Washfastness	Crocking		Lightfastness
	Alteration	Dry	Wet	20 Hours
RY168 Untreated	5	4	4	5
RY168 Treated	5	3.5	3.5	5
RR235 Untreated	5	4	3.5	4.5
RR235 Treated	5	3	3	4
RB235 Untreated	5	3.5	3.5	5
RB235 Treated	5	3	3	5
RBL5 Untreated	5	3.5	4	4.5
RBL5 Treated	5	5	3	3.5

FIBER PROPERTIES SEMINAR FOR COTTON BREEDERS

Sixteen public and private cotton breeders attended the second Seminar on the Testing and Measurement of Cotton Fiber Properties February 27 and 28 at the ITC. The curriculum included sessions on fiber properties, history of testing, utilizing fiber measurements in screening, advanced screening and SPY tests, fiber issues in textile processing, bale selection, and a demonstration of fiber processing. Attending were: Mark Barfield, Stoneville Pedigreed Seed Co.; Dick Bassett, UC Shafter; Judith Bradow and Gayle Davidonis, USDA, SRRC, New Orleans; Steve Calhoun, MSU Delta Research Center; Charles Cook, USDA, ARS, Weslaco, TX; Mike Nelson and Mike Johnson, All-Tex Seed; Norma Trolinder and Linda Koonce, BioTex; Gene Lorance, Buttonwillow Research, CA; Mark Mayo and Rodney Smith, Paymaster Cotton Seed; Carl Roberts, NMSU, Las Cruces; and Tommy Valco, Cotton Incorporated, Ag Research.

ATP PROJECT GETS UNDERWAY

In November, the ITC and the Department of Electrical Engineering, Texas Tech University College of Engineering, jointly received a grant for the objective selection and control of cotton for efficient textile manufacturing. The project is funded by the Texas Board of Higher Education Advanced Technology Program (ATP) for basic research benefiting the State of Texas.

Fiber properties of cotton varieties from around the world will be analyzed and entered into a database that will eventually be used for improved bale selection technology. Dean Ethridge of the ITC is the investigator for the project. The data will be analyzed with neural network algorithms with assistance from Don Wunsch, PhD, Assistant Professor, Electrical Engineering, Texas Tech University, co-principal investigator for the project.

Fifty pound samples of lint are being sent in by cotton breeders for fiber testing and spinning trials. The test data will be entered anonymously into the global database.

The two year project will involve most labs and personnel of the ITC. Reiyao Zhu PhD, Head of Fiber Research, Bill Cole, Manager of Short Staple Spinning, Shridhar Chikkodi, Research Associate, and Pauline Williams, Materials Evaluation Manager, are starting test procedures.

Schlafhorst and Zwelleger Uster are industry cooperators on the project.

COTTON ARRIVES FOR ADVANCED TECHNOLOGY PROGRAM PROJECT

(left to right) Reiyao Zhu, PhD, head of Fibers Research, ITC, Dean Ethridge, PhD, Director of the ITC, Jorge Auñón, PhD, Dean of the College of Engineering, Texas Tech University, and Don Wunsch, PhD, Assistant Professor, TTU Electrical Engineering Department look over 100 samples in the ITC warehouse that have arrived from Israel, India, Brazil, Egypt, Turkey, and the U.S.