

SRRC Highlights: 1940-2000

Year	Innovation	Outcome	Links
1940s	Mildew-proof and rot-proof fabrics.	Used by U.S. troops in the South Pacific and improved cotton bandages.	Penicillin and the War Years (pdf)
1946	Frozen orange juice concentrate process.	Process makes orange juice easy to freeze and restores flavor and aroma. Led to the frozen orange juice concentrate industry.	Frozen Foods (pdf) Seventy-One Years of Service to the Country
1957	Cotton opener-cleaner ginning machinery.	More efficient cleaning, smoother-spinning lint, processed more cotton per hour. Saved money, broadened use of lower grades of cotton.	Cotton Processing Machinery (pdf) Processing Cotton
1958	“Wash and wear” cotton treatment process.	Permanently creased, wrinkle-resistant, easy-care cotton fabric for clothing.	Cotton Products: First 30 Years (pdf) Making Fabrics Friendly
1962	Radically new ringless spinning machine eliminated the bobbin.	Eliminated the time and labor required to change bobbins and rewind yarn.	Processing Cotton Cotton Processing Machinery (pdf)
1960s	Flame-retardant cotton fabrics treatment.	Treatment used in children’s sleepwear, mattresses, upholstery, and firefighter and military uniforms and other items.	Seventy-One Years of Service to the Country
1960s	High-calorie fat emulsion.	Used by hospitals for intravenous feeding of patients recovering from surgery or serious wounds.	Cottonseed Oil and Meal (pdf) Seventy-One Years of Service to the Country
1966	Partially defatted peanuts.	Contain only half the calories of ordinary roasted peanuts but retain high protein and delicious flavor. A major weight-loss company sells this product.	Peanuts (pdf) Seventy-One Years of Service to the Country
1974	Spiral carding cotton processing system.	Cut steps in separating individual fibers to allow them to be drawn into a strand and twisted into yarn.	Cotton Processing Machinery (pdf) Processing Cotton
1985	Apparatus developed to reduce hazardous cotton dust in the air in textile mills.	Major advance in dealing with the lung disease byssinosis.	Cotton Processing Machinery (pdf) Processing Cotton