



ANNUAL REPORT

2016 | TWENTY SIXTEEN





A Word From the Founding Organizations



ADAM KAY

CEO, Cotton Australia

The thirst for sustainable cotton in the world textile market continues to grow at an ever-increasing pace, reflecting a genuine desire by brands and retailers to deliver products made from responsible raw materials.

The Cotton LEADS™ Program has also continued to gain momentum, providing a clear message to Australia's cotton growers that being sustainable is not only good for the farm business and rural communities, but also for our ultimate customers.

Australia's cotton growers have long led the way in sustainable agriculture here in Australia, and although we've made significant progress, there is still work to be done. We're investing over \$20 million annually in our research and development efforts to continue finding ways to improve the cotton production system, and there are exciting developments in digital agriculture that mean we're starting to use data across farms to improve at a regional scale.

As the Cotton LEADS™ Program continues to mature, it becomes more clear that we can only face the complex global challenges for cotton if we work together across farms, regions and as a global industry that is united for positive change. I believe the next challenge for the Cotton LEADS™ Program is to further engage our partners, evolving commitment to the program into positive collaborative actions towards meeting these challenges.

On behalf of all cotton growers in Australia, thank you for supporting our industry through your involvement and support of the Cotton LEADS™ Program.



GARY ADAMS

President/CEO, National Cotton Council of America

The Cotton LEADS™ program is underpinning cotton producers' efforts at responsibly providing a reliable supply of quality cotton for textile manufacturers and leading apparel brands and retailers with the goal of continuous improvement. Even more, this program has become an excellent platform through which the industry communicates U.S. cotton's sustainability message. That message includes the industry's continued efforts to reduce cotton production's environmental impact. This is critically important as U.S. and global cotton producers are in serious competition with man-made fibers for market share.

Regarding 2016 activities, I am pleased to report that more than 125 international and local Cotton LEADS™ partners and supporters across the global cotton supply chain attended a one-day conference in Hong Kong in 2016 themed "Moving Toward Sustainability in the Supply Chain." The event focused on responsible cotton production and responsible textile manufacturing. At the conference, Cotton LEADS™ partners received updates on national-level improvement progress from growers in Australia and the United States. A highlight was a preview of a comprehensive and scientific assessment of cotton's environmental impact—the Global Life Cycle Assessment for Cotton.

Since its launch in 2013, the tenets of Cotton LEADS™ have captured the attention and confidence of more than 436 partners including yarn spinners, textile and apparel manufacturers, retailers and brands. I am confident the program will continue to gain more partners as these firms recognize that we need to work together to support responsible and sustainable supply chains and sourcing.

The Year in Review

74
NEW PARTNERS
JOINED THE COTTON LEADS™ PROGRAM

Cotton LEADS™ Partner Conference attracts over 125 delegates

30+
 industry representatives and scientists from the U.S. and Australia meet in Brazil

BEST PRACTICE INFORMATION AND COTTON RESEARCH SHARED GLOBALLY



A number of joint research and development initiatives underway

PARTNER POST NEWSLETTER TRANSLATED INTO SIX LANGUAGES

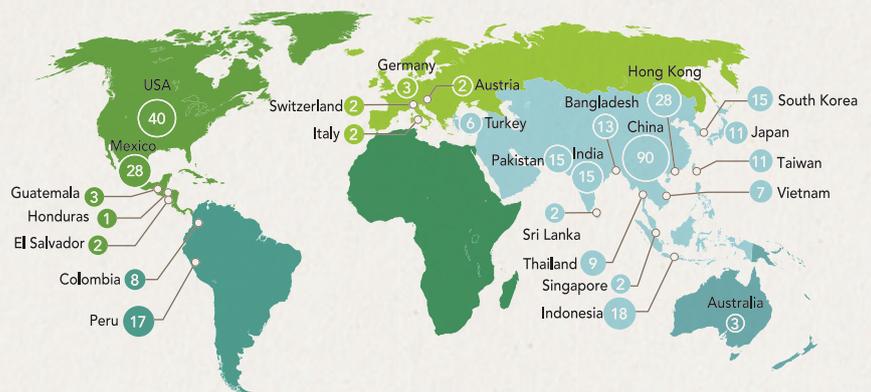
Combined annual cotton R&D budget of almost \$80 million invested

The Cotton LEADS™ Program is committed to responsibly-produced cotton through national and international efforts that are focused on the natural environment, best practices and traceability.

The program and its partners recognize that cotton growers at national levels in Australia and the U.S. have a strong track record of positive change, operate in a robust regulatory environment that sets rigorous standards and have a commitment to continual improvement.

COTTON LEADS™ COTTON PRODUCERS OPERATE WITHIN COUNTRIES, INDUSTRIES AND PRODUCTION SYSTEMS THAT ARE TRANSPARENT, WELL-REGULATED AND CONTINUE TO REDUCE THE ENVIRONMENTAL IMPACT OF COTTON PRODUCTION IN THE UNITED STATES AND AUSTRALIA.

COTTON LEADS™ PARTNERS BY COUNTRY



5 CORE PRINCIPLES OF THE COTTON LEADS™ PROGRAM

1 COMMITMENT to the social, environmental, economic and regulatory factors required to produce world-class cotton

2 RECOGNITION that sustainable and responsible cotton production requires continual improvement, investment, R&D and the sharing of best practices information among growers and industry

3 UNDERSTANDING that leading change in responsible and sustainable cotton practices will have the most positive impact when implemented in collaboration among farm, regional, national and international programs

4 BELIEF in the benefit of working cooperatively with similar programs that seek to advance responsible and sustainable cotton production in an effort to keep global cotton competitive in world fiber markets

5 CONFIDENCE in a cotton identification system that ensures traceability from farm to manufacturer

The U.S. and Australia – Working Together for Positive Change

Life Cycle Assessment Completed

A major project to assess the life cycle of cotton was completed during 2016 by the Cotton Foundation, with Australia's Cotton Research and Development Corporation contributing data for the first time as part of its commitment to the Cotton LEADS™ Program.

Building on the initial life cycle inventory (LCI) and analysis (LCA) released in 2010, the updated research provides a more comprehensive snapshot of cotton across all phases of product life and its relationship to the environment. A larger pool of global consumers was included in the update to more accurately reflect the impact of consumer use and disposal of cotton textiles.

Results indicated that the textile manufacturing and consumer use phases dominated most of the impact categories assessed. Although agricultural production's contribution to total impact was lower than textile manufacturing and consumer use, agriculture did have the major portion of the impacts on water consumption and eutrophication potential.

The expanded study fulfills a key goal of the project - to provide the most detailed and current data on cotton for the sustainability community and sourcing professionals. Importantly, the findings will also be used by Cotton LEADS™ founders to determine areas for future research and development investment.

Research Collaboration Continues to Progress

The world's leading cotton scientists from Australia and the U.S. deepened their working relationships during 2016, with a number of joint research areas emerging for investment. Researchers from the Cotton Research and Development Corporation in Australia and Cotton Incorporated in the U.S. met a number of times to investigate potential areas for collaboration around sustainability and value chain issues.

A program of science exchanges began with Texas A&M visiting science institution CSIRO in Australia to expand work on nutritionally mediated susceptibility of cotton pest *Helicoverpa zea* to include *Helicoverpa armigera* and *Helicoverpa punctigera*.

The environmental performance of different raw materials at every stage of their production and use is becoming an increasingly important consideration for the textile industry. CRDC and Cotton Incorporated are co-investing in two research projects looking at the potential environmental advantages of using cotton. These include research looking at the degradation of dyed and finished cotton and research investigating the contribution of different textile raw materials (e.g., cotton, polyester) on the production of micro-particles.

CRDC and Cotton Incorporated are also planning to co-invest in research projects to enhance the competitiveness of cotton, investigating treatments to improve the quality and efficiency of dyeing cotton and a study looking at the role that cotton bedding plays in enhancing sleep quality and recovery from physical exercise.



Over 30 industry representatives and scientists from the U.S. and Australia met in Brazil



National Cotton Council President Gary Adams joins a panel discussion at the Australian Cotton Conference.

National Cotton Council of America's Gary Adams Speaks at Australian Cotton Conference

National Cotton Council President/CEO Gary Adams was invited to give a keynote address at the Australian Cotton Conference in August of 2016. The panel session explored the economics of global cotton production and shared market information that provided insights into positioning cotton against synthetic fibers, with sustainability as a key message. Gary's involvement also provided an important opportunity to showcase the Cotton LEADS™ partnership between the two countries before a conference attracting 1,940 delegates.

The Australian Cotton Conference is an important information exchange event for the industry, covering a broad range of topics relating to sustainability including the *myBMP* (Best Management Practices) program, digital agriculture, healthy soils and crop nutrition, precision technologies and sustainable cotton sourcing.



Brooke Summers (Cotton Australia) and Allan Williams (CRDC) also spoke at the Planet Textiles Conference.

Australia and the U.S. Represented at Sustainable Apparel Coalition Meeting

Australia's Cotton Research and Development Corporation (CRDC) and Cotton Incorporated from the U.S. are both members of the Sustainable Apparel Coalition (SAC) that held its annual conference during May in Copenhagen, Denmark.

Representatives from both countries are working to ensure sustainability messages for Australian and U.S. cotton are understood by SAC members, many of whom are also Cotton LEADS™ partners. Data from the latest Life Cycle Assessment will also be included in the SAC's HIGG index, a tool for sourcing professionals used to assess the social and environmental impacts of various raw materials and their production.

Directly following the SAC meeting, Brooke Summers (Cotton Australia) and Allan Williams (CRDC) spoke at the Planet Textiles Conference about Australia's sustainability credentials including the industry's research and development portfolio and *myBMP* program.

Cotton LEADS™ Conference Brings Partners Together

With the theme “Moving Toward Sustainability in the Supply Chain”, a Cotton LEADS™ partner conference was held in Hong Kong on April 6, 2016. More than 125 Cotton LEADS™ partners and supporters across the global cotton supply chain attended the one-day special event, which focused on responsible cotton production and textile manufacturing issues.

Delegates received updates on national-level progress from cotton growers in Australia and the U.S., a preview of the Global Life Cycle Assessment for Cotton and technical presentations and discussions with companies offering innovative textile manufacturing options. A highlight of the day was a panel discussion including Cotton LEADS™ Partners: Prosperity, Chicks and Esquel, and a panel discussion with leading cotton farmers.

“Leading manufacturers, brands and retailers all recognize we need to work together to support responsible and sustainable supply chains and sourcing,” Senior Vice President of Global Supply Chain Marketing at Cotton Incorporated, Mr. Mark Messura said.

Cotton LEADS™ is also actively involved in advancing responsible technologies and continuous improvement beyond agriculture. The second half of the one-day event was dedicated to technical presentations and discussions with companies offering innovative textile manufacturing options.

The event also included an exhibition titled “Sustainable and Innovative Cotton Activewear,” which showcased an inspirational collection of 38 cotton-rich garments from the next generation of designers from five major fashion design institutions in Hong Kong.

“This event brought together many aspects of the textile supply chain to unite around issues of sustainability that are common to us all. It was an important opportunity to engage with our stakeholders and to provide them with an update to give them confidence to continue sourcing cotton from Australia and the U.S.”
Cotton Australia CEO, Adam Kay



A panel of leading cotton growers discuss on-farm sustainability action



Over 125 partners attend the Cotton LEADS™ Conference in Hong Kong



Cotton LEADS™ partners presented with membership plaques



Focus on Partners



The number of Cotton LEADS™ partners rose from 362 to 436 during 2016, with representation across brands, retailers and manufacturers now extending across 28 countries around the world. These companies are united behind a common vision to source responsibly-produced cotton in their supply chains, delivered by the Cotton LEADS™ program founding countries Australia and the U.S.

Cotton LEADS™ partners also have the opportunity to actively commit to responsible cotton production by supporting research projects and disseminating best practices around the globe, with a number of partner projects highlighted during the year.

“The Cotton LEADS™ partners are becoming an eco-system of like-minded businesses that recognize the enormous efforts made by cotton farmers from the U.S. and Australia and want to support this via their sourcing strategies,” Cotton Australia CEO Adam Kay said.

“The next challenge for the Cotton LEADS™ program is to more actively network our partners, to engage them in the work of the program and share the investments and achievements in sustainability that they’ve made in their own businesses,” Mr Kay said.

A FEW NEW PARTNERS DURING 2016

- Gildan Activewear Inc
- Macy’s Merchandising Group
- Carter’s
- Bossa Denim

Partner Engagement Event in Mexico

Cotton LEADS™ partners in Mexico strongly supported an engagement event, held on 22 June 2016. Over 30 partners attended the day to receive a comprehensive update on the program, information about the continuous improvement efforts of the U.S. and Australia and an early glimpse of the Life Cycle Assessment for cotton findings.



Jaime Flores, Director of Cotton Incorporated’s Mexico City office welcomes 34 partners to the event

Cotton LEADS™ Founding Members and Partners Come Together to Promote Responsible Cotton at World’s Largest Fabric Fair

A strong contingent of nearly 50 exhibitors at the Shanghai Intertextile Fabric Fair, held in Shanghai in October 2015, were supporters of the Cotton LEADS™ Program and its efforts to promote responsible cotton production.

The event attracted over 75,000 delegates from all over the world, showcasing the fabrics and fibers from businesses including responsible cotton from the U.S. and Australia. The Cotton LEADS™ program was highlighted through billboard and trade advertising and partners were presented with plaques in recognition of their continued commitment.

“Shanghai Intertextile is the premier tradeshow for the world textile industry. Each year we see more interest in responsible sourcing and traceability. Companies and their customers value this and the Cotton LEADS™ program provides them with assurances,” Senior Vice President of Supply Chain Marketing at Cotton Incorporated, Mr. Mark Messura said.

“The event is an important platform for recognising those partners that have been on the journey with us since the beginning as well as attracting new manufacturers and brands into the program.”

“It’s a great signal to the world’s textile industry when organizations like Cotton Australia, Cotton Incorporated and Cotton Council International can stand shoulder to shoulder to promote our great natural fiber,” Mr Messura said.



Cotton LEADS™ founding organizations meet with partners at Intertextile.

Partner Post Delivers Good Cotton News

With a global sustainability initiative like the Cotton LEADS™ program, communication across borders is essential to success. The Partner Post e-newsletter has become a key tool for keeping Cotton LEADS™ partners informed of upcoming events, cotton production innovations in Australia and the U.S. as well as highlighting the work that's "Leading the Way" amongst our partners.

Available in six languages, each Partner Post is accessible in 28 countries and remains a valuable information source for businesses looking for responsible cotton in their supply chains.

Cotton LEADS™ Partners Leading the Way



Crystal Group is dedicated to the people and culture in the countries where they operate

CRYSTAL GROUP

Change Ourselves, Our Company and the World

Sustainable development is a core pillar of Crystal Group's business strategy, with a focus on green operations, human capital investment and synergistic partnerships. Energy, water and waste management are operational priorities with five-year global environmental targets and measurable, time-bound goals to ensure resources are used efficiently and minimize adverse environmental impacts.

Crystal takes a systematic approach to understanding employees' needs and implementing targeted employee care initiatives. They provide physiological and safety-oriented care including guidance for workers to succeed and realize their full potential.

Crystal actively seeks the support and engagement of industrial associations, non-governmental bodies, environmental and academic organizations that are aligned with their vision. Crystal's collaborations with organizations like the Cotton LEADS™ program create social and environmental benefits throughout society and the world.

In 2016, Crystal's efforts to teach women vital job skills and improve pollution in the denim industry landed them the number 17 position on Fortune Magazine's "Change the World" list. This is the kind of leadership shown by Cotton LEADS™ partners to help solve issues in the textile supply chain.

LEADING THE WAY

7% reduction in carbon footprint per garment

11% reduction in energy consumption per garment

30% reduction in fresh water consumption per garment

43% of total workforce participated in development programs

GILDAN

Genuine Responsibility™ From One of the World's Leading Manufacturers

While their products may be “basic,” there is nothing simple about Gildan’s vertically integrated manufacturing operations. Gildan, who has invested more than USD \$1.7B in capital investments over the last 10 years, owns and operates some of the world’s most efficient yarn spinning, textile production and garment assembly facilities, while directly employing more than 48,000 employees.

Gildan understands that operating responsibly and integrating sustainable solutions into its business is a critical factor to its success, especially when coupled with a constant drive to make continuous improvement across the entire production chain. Gildan is the largest domestic consumer of U.S. cotton with five state-of-the-art yarn spinning facilities. These facilities are examples of the way sustainable practices and energy efficiency are built into Gildan’s business strategy. These changes and others have led to significant improvements in the areas of energy, waste, GHG emissions and water usage since 2010.



One of Gildan’s state-of-the-art yarn spinning facilities.

IN 2015

51% of all energy consumed came from renewable sources

89% of all company waste was recycled or repurposed

34% reduction of GHG emissions intensity

17% reduction of water usage / kg production

CONE DENIM A Reliable and Responsible Supply Chain



Cone Denim offers a wide variety of responsible denim products.

Cone Denim promotes sustainable and responsible practices at each of its facilities around the world by operating in ways that minimizes its environmental footprint and promotes responsible stewardship of each community’s natural resources. It is committed to providing customers with a wide variety of sustainable denim product options and opportunities that help support their supply chain needs.

Traceability and product provenance are important messages for Cone Denim customers. Cone Denim’s partnership with the Cotton LEADS™ program gives its supply chain confidence that the raw material is responsibly-produced and identified. The Cotton LEADS™ program also provides Cone Denim with an avenue to share stories of traceability, innovation, continuous improvement, water/soil management and carbon footprint – all issues of utmost importance to its customers.

Beyond Australia and the United States

The fourth principle of the Cotton LEADS™ program acknowledges that working cooperatively and sharing information with all 77 cotton producing countries will benefit the global cotton industry. Australia and the United States make ongoing efforts to share and disseminate best practice information to growers and researchers on farm and beyond. These collective efforts help to ensure the continuous improvement of cotton around the world and keep it competitive in the world fiber market. The following are some examples of where Australia and the U.S. have made information available to other countries.

PLANT MANAGEMENT NETWORK – U.S.

Monthly webcasts on timely cotton management issues make cotton research more widely available to the global cotton industry.

www.PlantManagementNetwork.org



COTTONINFO YOUTUBE – AUSTRALIA

The CottonInfo YouTube Channel contains practical information and advice on a range of cotton production issues: nutrition, soil health, pesticide use efficiency, energy use, carbon, biosecurity, disease and insect management, natural resource management, stewardship and weed control.



youtube.com/user/CottonInfoAust

COTTON CULTIVATED – U.S.

A one-stop destination to find cotton production information quickly and easily. Cotton Cultivated integrates websites, downloadable documents, social media and real-time news feeds.

cottoncultivated.cottoninc.com



JOURNAL OF COTTON SCIENCE – U.S.



A multidisciplinary journal that publishes original research on new techniques and equipment four times per year.

cotton.org/journal

GLOBAL CONFERENCES – JOINT INITIATIVE

U.S. and Australian cotton scientists present best practices and research annually to enable others to adopt new practices for continuous improvement. In 2016, they together made over 20 presentations at the World Cotton Research Conference and International Cotton Genome Initiative in Goiânia, Brazil.

Held every four years, the conference provides the opportunity for researchers from around the world to both share and learn about the latest scientific developments in many aspects of cotton production. Industry representatives and scientists from the U.S. and Australia met to further a number of research proposals during the Conference.



RESEARCH TOPICS PRESENTED AT THE CONFERENCE:

- Elimination of Gossypol in Cottonseed Has the Potential to Satisfy the Protein Needs of Several Hundred Million People
- Managing the Diverse Soil Microbiome
- Connecting Growers With Research – the Extension Program in Australia
- Cotton Physiology - the cornerstone of future cotton science in Australia
- Biology and Management of Herbicide-Resistant Palmer amaranth in U. S. Cotton
- Quantifying Cotton Cultivar Maturity Across Diverse United States Environments
- Tracing the Genetic Architecture of High Fiber Quality Understanding Cotton Fiber Development
- Modifications to a Late Meristem Identity 1-like Gene are Responsible for the Major Leaf Shapes of Upland Cotton (*Gossypium hirsutum* L.)



BELTWISE COTTON CONFERENCE – U.S.

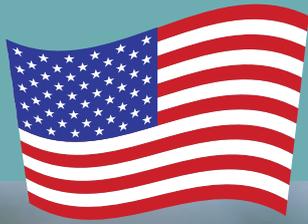
The annual conference shares leading edge research and agricultural innovations through presentations and workshops. The 2016 event hosted over 1,000 representatives throughout the supply chain including producers, ginners, seed and chemical companies, merchants, warehousemen and university researchers.



NATIONAL CONFERENCES – AUSTRALIA

The Australian Cotton Conference is a biennial event that in 2016 attracted over 1,900 delegates connecting the whole supply chain. Research, innovation and best practice information is freely shared by speakers and delegates, including via the conference website.

australiancottonconference.com.au



Country Report – USA

CROP REPORT

ANNUAL U.S. COTTON PRODUCTION 2016/2017

Avg Yield – 800 lbs/acre

Acres Harvested – 9.66 million

Bales Harvested – 16 million

Share of World Crop – 16%

Commitment to Continued Improvement through Research and Education

The U.S. cotton industry has been committed to continuous improvement for decades. In 2016, the U.S. cotton industry invested almost \$60 million dollars in agricultural and environmental research to improve the production process. This was accomplished by collaborative research projects that were conducted in all 17 cotton producing states with over 50 research institutions. Projects were designed to meet national and regional priorities as defined by the seven segments throughout the U.S. cotton industry: producer, ginner, warehouse, merchant, cottonseed, cooperative and manufacturer. Research focused on a number of agriculture-related topics, as outlined, which ultimately lead to the continuous improvement of U.S. cotton.



IMPROVEMENTS IN RESOURCE EFFICIENCY PER UNIT OUTPUT (1980 – 2015) *

▼ 31% Land Use

▼ 82% Irrigation Water Use

▼ 38% Energy Use

▼ 30% Greenhouse Gas Emissions

▼ 44% Soil Conservation

BREEDING Relocate a cotton winter nursery from Mexico to a more secure location in Costa Rica, allowing breeders to produce two crops a year, reducing the time for new germplasm to become available.

GENETICS Identify useful markers for disease resistance and stress tolerance that can be used in conventional breeding programs.

CONSERVATION TILLAGE METHODOLOGIES Minimize erosion and build soil organic matter by identifying tillage systems that best fit the local soil conditions, including a combination of winter cover crops, crop rotation and custom planting equipment.

PRECISION APPLICATION OF INPUTS Increase the precision at which inputs are applied using tools such as global positioning system (GPS) technologies, in-field sensors and a better understanding of how variation in soil types impacts on the input needs of the crop.

PEST MANAGEMENT Improve treatment thresholds for insects and diseases; employ better approaches to managing weeds such as intensive winter cover crops; and identify cotton varieties that are naturally resistant to pests.

POST-HARVEST PROCESSING AND STORAGE Minimize fiber damage and reduce energy use in processing cotton at the gin.

FIBER QUALITY MEASUREMENT Understand and improve cotton fiber properties (e.g. fiber length, strength and fineness) to develop high quality yarns and reduce energy use at the textile mill.

COTTONSEED UTILIZATION AND PROCESSING Remove barriers to bring the ultralow gossypol trait to market, making cottonseed a source of protein for both animals and humans, as well as better utilization of the entire cotton plant.



COMING SOON

Seven industry segments come together to frame the long-term vision for continuous improvement with specific targets.



December 2016 planting in the Cotton Winter Nursery in Costa Rica.

The metrics behind the research are just as important as the research itself. Being able to quantify changes and improvements leads to new research that will continue to move the U.S. cotton industry forward. The U.S. industry worked closely with Field to Market® to quantify cotton's footprint including conducting several pilot projects for data collection. Results indicate that resources for land use, energy use and greenhouse gas emissions indicators have all improved over time and irrigation water use has steadily improved.



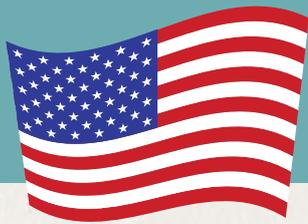
Brands and retailers learn how U.S. cotton is grown responsibly during a farm tour.

Sustainability and Best Practice Education

In addition to research, the U.S. cotton industry is committed to education and dissemination of best practices and research results throughout the supply chain. This commitment includes support of cotton extension workers; improved electronic delivery of information to growers through the "Focus on Cotton" webinar series and the Cotton Cultivated website; producer meetings; and conferences such as the Beltwide Cotton Conference.

Farm Tours are one way to educate the supply chain downstream. In 2016, more than sixty brands and retailers had the opportunity to visit a U.S. cotton farm to learn first-hand how cotton is grown, cleaned, baled and classed. During this special event, attendees gained the knowledge and the confidence to make responsible sourcing decisions.

*Field to Market: The Alliance for Sustainable Agriculture, 2016. Environmental and Socioeconomic Indicators for Measuring Outcomes of On Farm Agricultural Production in the United States (Third Edition). ISBN: 978-0-692-81902-9.



Case Studies – USA

COMMUNITY CASE STUDY

West Africa Technical Assistance Scholarship Program Begins

The West Africa Technical Assistance Scholarship Program was established to improve the rural living conditions and production practices of West African cotton producers.



Research fellows explore potential opportunities in the program.

The program is a cooperative effort between the National Cotton Council of America and the United States Department of Agriculture targeting scientists, researchers and policymakers in the cotton industries of Benin, Mali, Chad, Burkina Faso and Senegal.

The program supports research fellows to work one-on-one with a mentor at a U.S. university, research center or government agency. Two scoping missions were held this year to begin the five-year program to investigate and review potential research topics and candidates for the program. Current plans call for the first fellow to begin in the fall of 2017.

RESEARCH CASE STUDY

Groundwater Recharge Leads to Better Water Stewardship

Groundwater from the Mississippi River Valley Alluvial Aquifer is the primary source for irrigated agriculture in the Mississippi Delta. Years of high corn prices increased the amount of irrigation in the region and has led to portions of the aquifer to become depleted in the summer.



Leaky farm ponds can lead to better water stewardship.

As cotton is grown in rotation with corn, it can also benefit from the ability to receive irrigation in dry years. Researchers at the USDA-Agriculture Research Service (ARS) Delta Water Management Research Unit in Jonesboro, Arkansas have been working to quantify the sources of surface water recharging the aquifer through deployment of field sensors to constantly monitor the depth of water and determine how fast water from the surface can recharge shallow ground water tables.

The group recently completed an experiment of off-season shallow groundwater recharge in northeast Arkansas. As most of the region typically receives over 50 inches of rainfall a year, there is more than enough to meet crop water needs (cotton uses less than 22 inches in this area), but much of that rainfall occurs in the winter when very few crops are being grown. A highway project dug a large pit located within the study area that provided a unique opportunity to track infiltration that would occur if an unlined (“leaky”) farm pond were placed in the region. An initial infiltration rate of 6 inches per day was measured and quickly decreased as the water depth in the pit decreased. Therefore, this is good evidence that farmers could build leaky farm ponds and store water at shallow depths below the soil surface in the winter and then pump that water in the summer. The advantage of this approach over a traditional farm pond is less land has to be taken out of production to store the same amount of water.

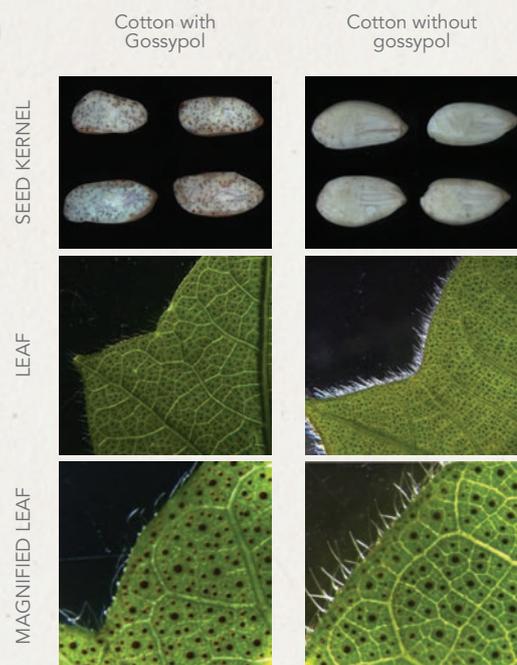
RESEARCH CASE STUDY

No Waste: Cotton as Food and Fiber

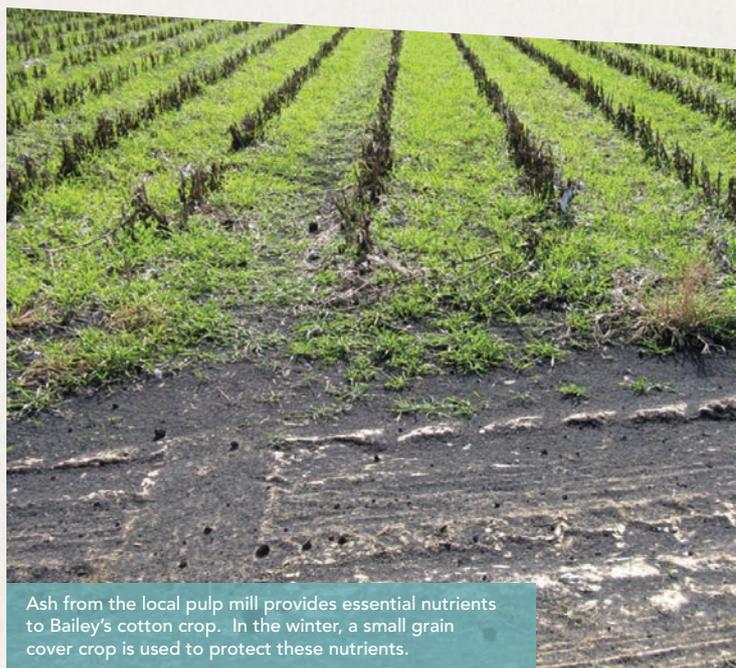
The cotton plant is so much more than just fiber. For every pound of fiber, there is approximately one and half pounds of cottonseed. Research is ongoing to extend the use of cottonseed which ultimately gives more value to the plant and land on which it is grown by utilizing even more of the plant and its byproducts.

Research is focused on the goal of blocking gossypol production in the seed while retaining normal or increased levels in other plant tissues, where it helps to deter predation by insects and other pests. Without gossypol, cottonseed protein is suitable for use in aquaculture feeds, pet food, swine and poultry feeds and even human food, where it will have a much greater value beyond its restricted use in feeds for ruminant animals.

A proof of concept for this goal has recently been achieved. Dr. Keerti Rathore at Texas A&M University used a biotechnology technique known as RNAi and a "seed specific promoter" to accomplish this goal.



Gossypol can be seen in the seed and leaf.



Ash from the local pulp mill provides essential nutrients to Bailey's cotton crop. In the winter, a small grain cover crop is used to protect these nutrients.

GROWER CASE STUDY

Coley Bailey Finds Alternative and Low-Cost Sources of Lime and Fertilizer

Coley Bailey of Coffeerville, Mississippi has found a new way to provide nutrients to his field when prepping for a new crop. Bailey has successfully turned a disposal problem for a local pulp mill into a custom fertilizer-lime product for his cotton – all for the cost of hauling and spreading the ash.

At the pulp mill, bark is removed from trees before the wood is processed, then burned to produce renewable energy to power the mill. Bailey has perfected a system to sustainably utilize the wood ash to supply his cotton with lime, potassium and phosphorus – while keeping his dryland cotton fields in no-till. Bailey demonstrates that cotton production practices can be very efficient when paired with local opportunities.

Like other innovative growers, Bailey shares his cost-saving innovation and hard learned lessons with other farmers by speaking at producer meetings. Although most cotton farmers don't have pulp mills nearby, the strategy of looking for local solutions – paired with the science and management to make them work – is applicable to every grower.



Country Report – Australia

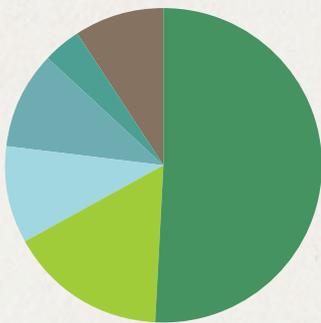


Australia's cotton industry represents a significant part of the country's economy, contributing more than \$2 billion per annum in export earnings and underpinning more than 150 rural communities where cotton is grown.

Each year approximately 1,200 farms in New South Wales and Queensland farm cotton, with the industry also expanding into the southern mainland state of Victoria.

The success of Australia's cotton industry can be traced to its commitment to research, funded jointly by cotton growers in partnership with the Australian government. In 2016-17, growers and the government will co-invest \$20.4 million into research and development through the Cotton Research and Development Corporation across 200 projects.

INVESTMENT BY THE FIVE CRDC PRIORITY AREAS:



- Farmers - 51%
- Industry - 16%
- Customers - 10%
- People - 10%
- Performance - 4%
- Contingency - 9%

Australian cotton growers are proud of their history of scientific advancement, which has been an integral driver for continuous improvement and efficiency. In addition to contributing funds towards formal research and development programs, Australian cotton growers apply scientific principles to their farms every day, constantly investing in new and practical ways to improve water efficiency, reduce chemical use, improve soils and biodiversity, increase yields and lift profitability.

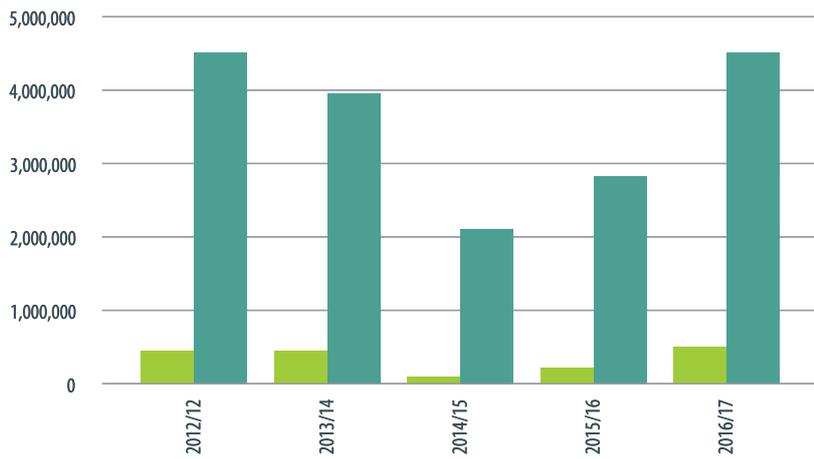
Many Australian cotton growers partner with researchers to conduct field trials to improve production practices, and then share this information across the industry. In addition, the industry has chosen to invest in a formal extension program - CottonInfo - to ensure the latest scientific advancements and research findings are translated into practice changes on the farm.



Dr. Warwick Stiller (CSIRO), part of Australia's cotton plant breeding team conducts in-field trials.

Australia's commitment to sustainable and responsible cotton production has delivered dividends to growers and the industry. Australian growers produce lint yields at three times the world average. In the past 40 years Australian growers have almost doubled lint production efficiency, from 1200kg/ha in the 1970s to more than 2100kg/ha today.

AUSTRALIAN COTTON



Source: Cotton Australia

Hectares planted (ha) ● Total bales ●

Year	Hectares planted (ha)	Total bales	Bales per ha	kg lint per ha
2012/13	425,786	4,400,000	10.37	2377
2013/14	414,000	3,900,000	9.95	2258
2014/15	196,689	2,200,000	11.5	2610
2015/16	263,339	2,742,700	10.4	2228
2016/17 (estimate)	472,000	4,200,000	8.9	2020

myBMP Continues to Grow

More than 75% of Australian farms are now registered in the *myBMP* program, the Australian cotton industry's flagship environmental program. This online program combines best practice farming techniques with the latest research and development information to help growers improve efficiency and farm responsibly.

Production progress is recorded, monitored and audited across 10 subject modules, ranging from biosecurity and biotechnology, energy and input efficiency, work health and safety, natural assets, soil health and water management. More than 400 practices are covered, with growers able to benchmark their performance against agreed upon industry best practice standards.

In the past year, the *myBMP* team has also implemented a refresh of the system, upgrading its content and simplifying checklist items. The new system is easier to use, further encouraging grower participation and continuous improvements to the program to ensure *myBMP* is backed by the latest research, science and farm management information.

Practical Changes in Energy Efficiency

In the past year, the industry has increased efforts to find practical methods that help growers improve energy use efficiency, with a resultant reduction in emissions.

One pilot program – a joint initiative by Cotton Australia, the NSW Irrigators Council and the NSW Government's Office of Environment & Heritage – conducted on-farm audits to determine ways cotton farmers could improve energy use efficiency. The results have been developed into practical fact sheets, shared with growers via the *myBMP* system.

The industry will continue to work with researchers and government agencies to

improve energy use efficiency, in order to make gains in emissions reduction and improve on-farm profitability.



On-farm solar panels help reduce energy use on farm.

Stakeholders Engaged More Broadly on Australia's Cotton Sustainability

Australian cotton is one of the only agricultural industries in the world to conduct full, independent environmental audits of its entire production system. The most recent audit recommended the industry engage on its sustainability credentials further down the supply chain, and set sustainability targets by which to benchmark and measure progress.

In June 2016, Cotton Australia and the Cotton Research and Development Corporation hosted a one-day forum to get feedback from a broad cross section of the Australian community including brands and retailers, community groups, financial institutions and government agencies. Feedback on overall environmental performance was overwhelmingly positive and there was great feedback on the draft industry sustainability targets, particularly in addressing the "people" area of cotton production in Australia.

This feedback has been incorporated into the targets, due for release in 2017.



Australian Cotton Sustainability Forum brought together representatives from all sectors of the supply chain.

Leadership in Human Rights

The industry's environmental program, *myBMP*, was recently showcased in a report that mapped human rights issues in supply chains. The report – *Human Rights In Supply Chains: Promoting Positive Practice* – was a collaboration between the Australian Human Rights Commission, Australian Centre for Corporate Social Responsibility and the United Nations (UN) Global Compact Network Australia.

The report brought together insights from a three-stage research project that aimed to understand current practices to address human rights in the supply chains of Australian businesses. The research showcased the positive, pro-active steps taken by the Australian cotton industry to ensure human rights are respected in Australian cotton businesses.



Case Studies – Australia

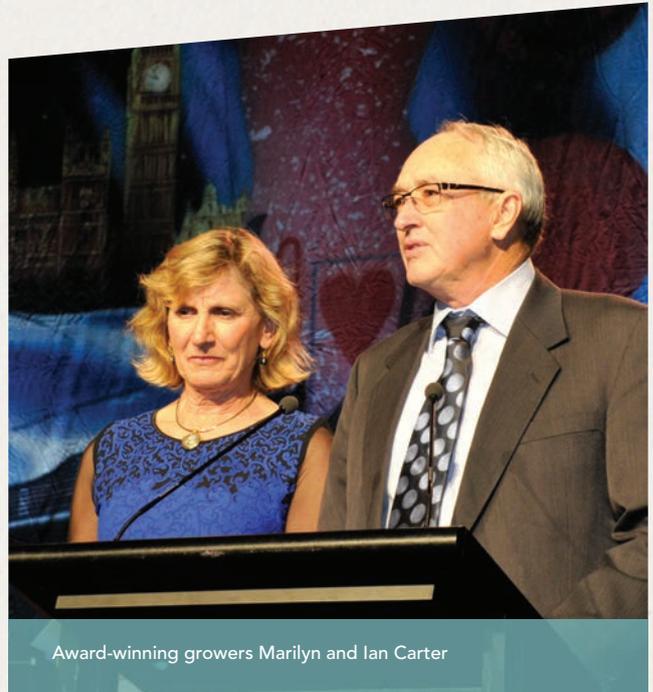
COTTON GROWER CASE STUDY

Adaptive, Innovative Farming at Pine Ridge

Ian, Marilyn and Harry Carter farm a 2,500 hectare dryland operation, “Connamarra”, on the fertile black soils of the Liverpool Plains in New South Wales. Their ‘lean and mean’ management style means they highly scrutinize all nitrogen and pest control inputs in an effort to maximize efficiency and effective stewardship of the land.

Using a combination of a four-year cotton rotation, no till farming, 1.5m beds and the innovative use of water injection, the Carters can conserve soil moisture and drive yield outcomes, despite erratic seasonal conditions. Ian’s 35 years of experience in farming has helped him quickly adapt to the cotton production system that he has been implementing for the last five years.

In 2016, the Carters’ effective operation was recognized when they received the Monsanto Grower of the Year Award at the annual Australian Cotton Industry Awards.



Award-winning growers Marilyn and Ian Carter

COMMUNITY CASE STUDY

Carp Plan a Boost to Management of Rivers in Murray Darling

The Murray-Darling River system is a unique body of water that feeds an enormous agricultural area in Australia and is the lifeblood of hundreds of rural communities.



European Carp like these are choking the Murray-Darling River System.

Unfortunately, the state of the river system has been affected by infestation from a devastating animal pest, the European carp. In some areas they have become so dominant, they now make up 90 percent of all fish in the river.

In May 2016, the Australian cotton industry achieved a significant win with the announcement of a government funded, nationally coordinated approach to eliminating European carp from inland rivers, worth \$15 million. Cotton Australia has long argued to politicians and regulators that the removal of carp would be the single biggest positive contribution towards improving the environmental health of Murray Darling Basin river systems.

This significant project is great example of a complementary measure with good environmental, social and economic outcomes undertaken in partnership between government agencies, industry and communities.

GROWER CASE STUDY

Investment in Irrigation Infrastructure Pays Off for Cotton Growers

Tim and Roger Commins manage a multi-enterprise operation near Whitton in the Southern Valleys of NSW. They and their 24 staff manage a 350ha hardwood eucalyptus plantation, wine tank and storage facility, hydroponic seedless mandarin plantation (in partnership) and a Murray Cod fish farm, along with 1,500ha of irrigated cotton.

As highly innovative growers, they have been converting their farms from siphon irrigation to bankless channels in order to automate much of their irrigation, minimizing labor needs and creating machinery efficiencies.

Relying on winter cereals and faba rotation and reducing the amount of back-to-back cotton helps maximize cotton yields and provide for a long-term production system that retains soil health. In 2016, their leadership and innovation was recognized when the Commins brothers received the AgriRisk High Achiever of the Year Award at the annual Australian Cotton Industry Awards.



Roger Commins (left) and Tim Commins, Award winning innovators

AUSTRALIA'S RIVER RED GUM TREES – DR. RHIANNON SMITH

One of the best loved examples of native vegetation on Australian cotton farms are the river red gums and Dr. Rhiannon Smith of the University of New England has been studying these in the cotton landscape for over a decade.

Dr. Smith said, “river red gums capture the hearts and minds of Australians and as such, these gums are an important focal point for monitoring riparian health and condition.” Of course, this is not all they do.

“Healthy river red gum ecosystems on cotton farms provide important ecosystem services and sequester and store large amounts of carbon, which feeds the soil biota that stabilizes soils and riverbanks, stops slaking and dispersion of soil aggregates, and reduces sediment into river systems,” Dr. Smith said.

“Riparian river red gum forests can store up to 400 tonnes of carbon per hectare, with approximately 40 percent of this carbon stored in the soil, and can sequester an average of 5.3 tonnes of carbon per hectare per year in woody biomass. Riparian vegetation dominated by river red gums plays an important role in offsetting carbon emissions on cotton farms,” she said.

Reference: CRDC Spotlight Magazine, Summer 2016-17



Warren community members release fish fingerlings into the Macquarie River earlier this year.



Founding Organizations



The Cotton Foundation

The Cotton Foundation's overall mission is to strengthen U.S. cotton's position in the highly competitive fiber market. The Cotton Foundation gives U.S. raw cotton's agribusiness allies opportunities to support the U.S. cotton industry by supporting general research and education projects.



Cotton Australia

Cotton Australia is the peak body for Australia's cotton growing industry, advocating on behalf of more than 1,200 cotton farming families in NSW and Queensland. The organization fosters a world class agricultural industry that's sustainable, valued for its economic and social contributions and produces a top quality product in demand around the globe.

Supporting Organizations



Australian Cotton Shippers Association

The Australian Cotton Shippers Association promotes the interests of the members of the Association in overseas markets, preserves the sanctity of contracts and the integrity of the Australian cotton trading industry, and facilitates compliance with contractual obligations and adherence to arbitration awards.



National Cotton Council of America

The National Cotton Council of America's mission is to ensure the ability of all U.S. cotton industry segments to compete effectively and profitably in the raw cotton, oilseed and U.S. manufactured product markets at home and abroad. The organization is the unifying force in working with the government to ensure that cotton's interests are considered.



Cotton Incorporated

Cotton Incorporated is an independent, not-for-profit company dedicated to promoting the use of cotton. The company provides technical and marketing support to assist companies working with cotton. On the production side, Cotton Incorporated's agricultural and environmental scientists are among the leading researchers to improve the efficiency of cotton. Cotton Incorporated is funded by U.S. upland cotton producers and importers of cotton products in the United States.



Cotton Council International

Cotton Council International (CCI) is the export promotion arm of the National Cotton Council of America. CCI's mission is to increase exports of U.S. cotton, cottonseed and U.S. manufactured cotton products through activities that affect every phase of the marketing supply chain.

Cotton LEADS™ Partners

The following are Cotton LEADS™ partners as of January 2017. The Cotton LEADS™ program would like to sincerely thank these companies for their support and engagement. Thank you for LEADING THE WAY to responsible production and sourcing.

#

1888 Mills, LLC

A

AD.V Co. Ltd.
Advance Denim Co., Ltd.
AEC Textile Co., Ltd.
AEON Topvalu (China) Co., Ltd.
Aeon Topvalu Co., Ltd.
Aéropostale, Inc.
Akcanlar Tekstil San. Tic. A.S.
Alfe Confecciones SA de CV
Algodonera Continental SAC
Algodonera Peruana SAC
Al-Karam Textile Mills Pvt. Ltd.
Alperteks Mensucat San. Tic. A.S.
Alps Industries Limited
Aman Spinning Mills Ltd.
Amana Woolen Mill
Amber Cotton Mills Ltd.
Ambika Cotton Mills Limited
American & Efid, LLC
Anita's Textiles Ltd.
Antex Knitting Mills
Apex Lingerie Ltd.
Apex Spinning & Knitting Mills Limited
Apex Textile Printing Mills Limited
Artexil S.A.
Arun Textiles Pvt Limited
Arvind Ltd
Asia Merchandising (H.K.) Ltd.
Atlantic Mills (Thailand) Co., Ltd.
Aztex Trading, S.A. de C.V.
Azul Textil S.A.

B

Baby Fresh
Badsha Textiles Ltd.
Barnhardt Manufacturing
Batuhan Pazarlama
Becktel SA de CV
Bell and Barnett
Bengal Knitex Ltd.
Bengal NFK Textiles Limited
Besler Tekstil San. Tic. A.S.
Best Corporation (P) Limited
Beximco Ltd.
Black Peony (Group) Co., Ltd.
Blue Pin Intertrade Co., Ltd.
Bondex Group Limited
Bossa T.A.S.
Brandix Textiles Ltd
Brooks Brothers Group, Inc.
Bros Eastern Co., Ltd.
Buhler Quality Yarns, Corp.
Burtteks Tekstil San. Tic. A.S.

C

C.I. Integrated Apparel Solutions S.A.
Caliphil Enterprise Co., Ltd.
Camisas Finas De Hidalgo SA de CV
Cargill Cotton
Carolina Cotton Works
Carolinas Cotton Growers Cooperative
Carter's Global Sourcing Limited

Casablanca International Ltd.
Cayota Industrial, S. de R.L. de C.V.
Central Marketing Group
Changshu Huamao Textile Technology Co., Ltd.
Changshu Huashang Garment Co., Ltd.
Changshu Zhongjiang Import & Export Co., Ltd.
Changshu Fucheng Craft Silk Fashion Co., Ltd.
Changzhou Huajie Apparel Co. Ltd.
Chedraui Textil SA de CV
Chia Her Industrial Co., Ltd.
Chiem Patana Textiles Co., Ltd.
Chonbang Co., Ltd.
Chun Au Knitting Factory Limited
Chung Shing Holding (China) Co., Ltd.
Cia. Industrial Nuevo Mundo S.A.
Clothworks
Compañía Industrial Romosa SAC
Cone Denim
Cone Denim (Jia Xing) Ltd.
Contempora Fabrics, Inc.
Cotswold Industries Inc.
Cotton Homey Co., Ltd.
CREDITEX S.A.A.
Crystal Group
Crystal SAS

D

D Byford Holdings Ltd.
Dabus Co., Ltd.
Datsun Weaving Factory Ltd.
Delicacy Industrial Co., Ltd.
Denim North America
Dezhou Huayuan Eco-Technology Co., Ltd.
Diamond International Corporation Ltd.
Dongguan Kefang Textile Co., Ltd.
Dong-II Corporation
Dongwon & People Co., Ltd.

E

Edwin Co. Ltd.
El Rosario de Puebla, S.A. de C.V.
Esquel Group
EVSU Group Limited
Exclusive Bettwasche Gebr. Graser GmbH & Co. KG

F

Federation Sanhe (Fujian) Co., Ltd.
Feroze 1888 Mills Ltd.
Ford Glory Limited
Foshan City Shunde Caihui Textile Co., Ltd.
Foshan Season Textile and Garment Co. Ltd.
Fountain Set Limited
Franky & Ricky, S.A.
Frontier Spinning
Fruit of the Loom, Inc.
Fujian Septwolves Industry Co., Ltd.
Fung Fat Knitting Mfg. Ltd.
Fuzhou Xianglong Textile Co., Ltd.

G

Garment 10 Corporation JSC
gef
Gerber Childrenswear LLC
Getzner Textil AG
Gildan Activewear Inc.
Global Denim
Global Dyeing
GoldDaio (Suzhou Industrial Park) Hygiene Products Co., Ltd.
Grameen Knitwear Ltd.
Green Textile Co., Ltd.
Growthy Textile Ltd.
Grupo Industrial Miro
Grupo Iris Textiles, S.A.
Grupo Romatex, S.A. de C.V.
GTN Group of Companies
GTN Industries Group
Guangdong Best'n Fashion Clothing Co., Ltd.
Guangdong Zhonghua Cotton Textile Industry Co., Ltd.
Guangzhou Fangfang Fashion Design Co., Ltd.
Guangzhou Miidii Apparel Co., Ltd.
Guangzhou Zengcheng Guangying Garment Co., Ltd.
Guntas Gunduzbey Iplik A.S.
Gunze Limited

H

H.W. Textiles Co., Ltd.
Ha-Meem Denim Ltd.
Hamrick Mills
Handsome Textile Ltd.
Hanesbrands Inc.
Hangzhou Lianchenghuazhuo Industrial Co., Ltd.
Hanoi Textile and Garment Joint Stock Corporation
Hansae Co., Ltd.
Hansoll Textile Ltd.
Hascevher Tekstil San. Tic. A.S.
Hermann Buhler AG
Hermin Textile Co., Ltd.
Hidratextil S.A de C.V.
Hilasal (Textiles San Andrés)
Hilaturas Los Angeles, S.A. de C.V.
Hirdaramani Group
Hoa Tho Textile Garment Joint Stock Corporation
Homegrown Cotton, LLC
Hong Kong Knitters Ltd.
Huafang Co. Ltd.
Huafu Top Dyed Melange Yarn Co., Ltd.
Hue Textile Garment J.S.C
Hursan Havlu Uretim San. Tic. A.S.

I

Ibena Shanghai Technical Textiles Co., Ltd.
Idrees Textile Mills Ltd.
Ilshin Spinning Co., Ltd.
IMAP Export S.p.A.
Imperial Group Guatemala
Indera Mills
Indigo Trade Mexico, S.A. de C.V.
Indus Dyeing & Manufacturing Co., Limited

Industrial Textil de Puebla
Industrias Apparel
Iskur Tekstil Enerji San. Tic. A.S.
Island Textile Mills

J

J. Wingfield
Jasonwood Jeans Corp., Ltd.
Jegen Textilien AG
Jiangmen Daxing Knitting Co., Ltd.
Jiangsu A-Z Group Co. Ltd.
Jiangsu GTIG Eastar Co., Ltd.
Jiangsu GTIG Hubo Co., Ltd.
Jiangsu GuoTai GuoMao Co., Ltd.
Jiangsu Guotai Litan Enterprises Co., Ltd.
Jiangsu Taida Textile Co., Ltd.
Jiangsu White Rabbit Textiles Group Co., Ltd.
Jiangyin Alfa Apparel Co., Ltd.
Jiangyin City Shenli Knitting Co., Ltd.
Jiangyin Hengliang Textile Co., Ltd.
Jiangyin Liyang Textile Co., Ltd.
Jiangyin Quanshun Textile Co., Ltd.
Jihua 3509 Textile Co., Ltd.
Jihua 3542 Textile Co., Ltd.
JNB Y Finery Co., Ltd.
Jo Ann Fabric & Craft Stores
Joe One Co., Ltd.
Jungwoo Vina Co., Ltd.

K

Kahee Co., Ltd.
KAIHARA Corporation
Kamal Yarn Ltd.
Kang Na Hsiung Enterprise Co., Ltd.
Kangwal Textile Co., Ltd.
Kaynak Tekstil
Kayser-Roth Corporation
K-Boxing Men's Wear (Shanghai) Co., Ltd.
Keer Group
Keya Spinning Mills Ltd.
Kimpeks Tekstil
King America Textile Group
Knit Asia Ltd.
Kohl's Corporation
KPR Mill Limited
Kunshan Wuzhou Jiasheng Clothing Co., Ltd.
Kyungbang Limited

L

La Colonial Fabrica De Hilos S.A.
La Poblana, S.A. de C.V.
Le & Le Corporation
Linyi Aotai Textile Co., Ltd.
Linz Textil AG
Lives SAC
Liztex
Loma Lasetex SA de CV
Luckytex (Thailand) Public Company Limited
Luthai Textile Co., Ltd.
LWV Group Co., Ltd.

M

M.P.J. (Licensing) Ltd.
 Macy's Merchandising Group
 Mahmood Group of Industries
 Malek Spinning Mills Limited
 Manufacturas Kaltex, S.A. de C.V.
 Maral Overseas Limited
 Maruhisa Co., Ltd.
 Marusan Industry Co. Ltd.
 Masood Spinning Mills Ltd.
 Matin Spinning Mills, Ltd.
 Menderes Tekstil
 Menekse Tekstil
 Menekse Tekstil San. Tic. A.S.
 Minh Dat Production Trading Service Co. Ltd.
 Minh Tri Co. Ltd.
 Mou Fung Limited
 Mount Vernon Mills, Inc.

N

N9&PG Co., Ltd.
 Nagina Group
 Nahar Spinning Mills Limited
 Nan Yang Textile Co., Ltd.
 Nanjing Synergy Textiles Ltd.
 Nantong Dongdi Textiles Co., Ltd.
 Nantong Yiyi Interlining Co., Ltd.
 Nazar Tekstil A.S.
 Nesa Tekstil
 Nevres Tekstil San. Tic. A.S.
 New Jersey Enterprises Ltd.
 New Project
 New Wide Group
 Newbale Clothing Pty Ltd
 Newtech-Textile HK Ltd.
 Nice Dyeing Factory Ltd.
 Nien Hsing Textile Co., Ltd
 Ningbo Peacebird Men's Wear Co., Ltd.
 Ningbo TREND Garments Co., Ltd.
 Ningbo Veken Cotton Textile Co., Ltd.
 Nitin Spinners Ltd.
 Noi Solutions LLC
 NuAngel, Inc.

O

OH POMP! Technofitted Jeans
 Omega
 Operadora LOB, S.A. de C.V.
 Otto Stadlander GmbH

P

Pacific Textiles Ltd.
 Pahartali Textile & Hosiery Mills
 Panko Corporation
 Panther Textiles Holding Co., Ltd.
 Partex Rotor Mills Ltd.
 Partex Rotor Spinning Mills Ltd.
 Peru Fashions S.A.C.
 Peru Pima, S.A.
 Phong Phu Corporation
 Pickett Hosiery Mills, Inc.
 Plains Cotton Cooperative Association
 Premier 1888 Ltd.
 Premium Textile Mills Limited
 Productora Liberihum, S.A. de C.V.

Prosperity Textile (HK) Ltd.
 Protrade Garment JSC
 PT Indorama Synthetics Tbx.
 PT. Apac Inti Corpora
 PT. Argo Pantas Tbk
 PT. Bhineka Karya Manunggal
 PT. Bitratex Industries
 PT. Daya Manunggal
 PT. Embee Plumbon Textiles Indonesia
 PT. Grand Textile Industry
 PT. Hakatex
 Pt. Indo TaiChen Textile Industry
 PT. Lucky Abadi Textile Factory
 PT. Lucky Print Abadi
 PT. Natatex Prima
 PT. Panca Bintang Tunggal Sejahtera
 PT. Primayudha Mandirijaya
 PT. Sri Rejeki Isman, Tbk.
 PT. Tyfountex Indonesia
 PT. Vigindo Intiusaha Perdana
 PT. World Yamatex Spinning Mills
 Punto Blanco

Q

Qiaode (Nantong) Textile Co., Ltd.
 Qingdao Textiles Group Fiber Technology Co., Ltd.

R

R.E.P. Corporation
 Ramatex Group
 Ramco Group Textile Division
 Renfro Corporation
 Rhin Textil, SAC
 Riva Representaciones, S.A. de C.V.
 Ropa Sport S.A. de C.V.

S

S M Spinning Mills Limited
 S.R. Spinning Co., Ltd.
 SA Aanandan Spinning Mills (P) Ltd
 Sae-A Trading Co., Ltd.
 Saf Mensucat San. Tic. A.S.
 Saitex International Vietnam Ltd.
 Salek Textile Ltd.
 Salfi Textile Mills Ltd.
 Samil Spinning Co., Ltd.
 Samil Vina Co., Ltd.
 San Yang Textile Co., Ltd.
 Sanyo Corporation Co. Ltd.
 Sapphire Fibers Limited
 Shahi Exports Pvt. Ltd. (Knits Division)
 Shandong Huale New Materials Science And Technology Co., Ltd.
 Shandong Ruyi Technology Group Co., Ltd.
 Shangdong Dai Yin Textile Group Share Co., Ltd.
 Shanghai Goodbaby Garment Co., Ltd.
 Shanghai Imagine Home Textiles Co., Ltd.
 Shanghai Konglong Textile Ornaments Co., Ltd.
 Shanghai Lion City Textile Co., Ltd.
 Shanghai MetersBonwe Fashion & Accessories Co., Ltd.
 Shanghai Yihua Garment Co., Ltd.

Shelby Manufacturing de México, S.A. de C.V.
 Shenzhen Baliso Industrial Co., Ltd.
 Shenzhen PurCotton Technology Co., Ltd.
 Shijiazhuang Changshan Ming Home Fashion Textile Co., Ltd.
 Shijiazhuang Changshan Textile Co., Ltd.
 Show Win Industries Limited
 Shuford Yarns, LLC
 Sing Lun Holdings Limited
 Sintex Industries Limited (Yarn Division)
 Sky Winner Investment Ltd. - Teelocker
 Springs Creative Product Group
 Square Yarns Ltd.
 Sri Shanmugavel Mills (P) Ltd
 Standard Textile
 Staple Cotton Cooperative Association
 Sumit SAC
 Suntex Garment Laundry Factory
 Suntex Industry Co. Ltd.
 Sunvim Group Co., Ltd.
 Supima
 Sur Color Star, S.A.
 Surplus (CH) Ltd.
 Swift Spinning, Inc.

T

T.K. Garment Co., Ltd.
 Taebong Co., Ltd.
 Taekwang Industrial Co., Ltd.
 Tah Tong Textile Co., Ltd.
 Tah Yao Textile Co., Ltd.
 Tai 1., Knit Denim Textile Co., Ltd.
 Tai Yuen Textile Co., Ltd.
 Taizhou Shunguang DUDS Co., Ltd.
 Tak Sang (Sze's) Company Ltd
 Tandem Textil
 Target Corporation
 Tat Fung Textile Co.
 Tata Textile Mills Ltd.
 TCE Corporation
 Techno Spinning Mills Ltd.
 TekStyle
 Texfina
 Texhong Textile Group
 Tex-Knit (Hong Kong) Co. Ltd.
 Tex-Ray Industrial Co., Ltd
 Textil del Valle S.A.
 Textil Oceano, SAC
 Textiles Brito
 Textiles CM S.A. DE C.V.
 Textiles La Libertad, S.A. de C.V.
 Textiles Marie Lou, S.A. de C.V.
 Textufil, S.A. de C.V.
 Thai Industries Development Co., Ltd.
 Thai Sin Dee Trading Co. Ltd.
 Thai Textile Industry Public Co., Ltd.
 Thanh Cong Group
 The Life is Good Company
 Theparerg Co., Ltd.
 Thiagarajar Mills P Ltd
 Thien Nam Development & Investment J.S.C.

TJ Beall Company
 Tony Wear Co., Ltd.
 Top Star Textile Limited
 Topitex Honduras S.A de CV.
 TopiTop
 Topknit Fabrics Australia
 Topson Group (Intl) Holdings Co., Ltd.
 Topy Top S.A.
 Tritón Industrial, S.A. de C.V.
 TS Factory
 Tuong Long Textile Co., Ltd.
 Turbo Yarn, S.A. de C.V.
 Tuscarora Yarns, Inc.

U

Union Jack (Beijing) Trade Ltd.
 UNY Co. Ltd.
 US Cotton México, S. de R.L. de C.V.
 Uspar Tekstil. A.S.

V

VANCL Chengpin (Beijing) Technology Ltd.
 Vardhman Textiles Limited
 Velener Textil GmbH
 Victory City Co., Ltd.
 Viet Hong Textile J.V.C
 Vincenzo Zucchi S.p.A.
 Viyellatex Spinning Ltd.

W

Wah Fung Knitters Ltd.
 Weiqiao Textile Co. Limited
 Welspun India Limited
 Win Hanverky Textile Ltd.
 Winner Medical (Hong Kong) Limited
 Winnitex Ltd.
 Wise Ever Enterprises Ltd.
 Wuxi Far Eastern Textile Ltd.

X

Xiamen Xiafang Textile Co., Ltd.
 Xinlong Holding (Group) Co., Ltd.

Y

Yamachu Mengyo Co., Ltd.
 Yichang Xinlong Sanitary Material Co., Ltd.
 Yixing Lucky Textiles Group
 Youth Spinning Mills Ltd.
 Yuen Shing Group
 Yunus Textile Mills Ltd.

Z

Zagis USA, LLC
 Zagis, S.A. de C.V.
 Zaman Textile Mills Limited
 Zermatex, S.A. de C.V.
 Zhejiang Charming Holding Co., Ltd.
 Zhejiang Saint Angelo Apparel Co., Ltd.
 Zhejiang Saintyear Textile Co., Ltd.
 Zibo Yinshilai Textile Co., Ltd.



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