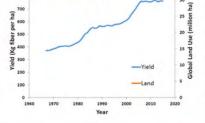
YC	verything DU'VE HEARD ABOUT Otton WRONG	Refuting "Alternati	ve Facts" About Cotton	
Alternative Fact 1:	Cotton uses 25% of the world's	pesticides.		
Why It's Wrong:	There is no organization that mo pesticides. The sales of pesticid Informa, global cotton producti sales in 2016.			
Alternative Fact 2:	Cotton production requires excessive amounts of water.			
Why It's Wrong:	footprints of nations (Hoekstra, global cotton production accou- water. The same source estimates that relies on rainfall, alone, to meet percentage jumps to 60% for U (1961 to 1991; Data from NRCS Based on data from the 2015 Li Fiber & Fabric, it takes more wat	50% of the global cotton crop its water needs. That .S. cotton crops , NOAA and Oregon State University) fe Cycle Assessment of Cotton		
	grass than an acre of cotton.	5		
Alternative Fact 3a:	It takes 1,800 gallons of water to grow enough cotton to make a pair of jeans.			
Why It's Wrong:	To calculate how much water it takes to grow enough cotton to make a pair of jeans, you have to consider the amount of water it takes to grow the fiber. Conventional production tends to produce more fiber per acre than organic. It is important to remember that half of the global crop relies on rainfall.			
	Conventiona			
	1,135.0 gallor	ns 2,641.0 gallons		
	Adj. Rainfall 567.5 gallor	ns 1,320.5 gallons		

Calculated using data from the 2015 Life Cycle Assessment of Cotton Fiber & Fabric

	Everything YOU'VE HEARD AE Cotton IS WRONG	BOUT	Refuting "Alternat	tive Facts" About Cotton	
Alternative Fact 3	o: It takes 400 gallor a tee shirt.	as of water to grow	enough cotton to make		
Why It's Wrong:	Vhy It's Wrong: To calculate how much water it takes to grow enough cotton to make a tee shirt, you have to consider the amount of water it takes to grow the fiber. Conventional production tends to produce more fiber per acre than organic. It is important to remember that half of the global crop relies on rainfall.				
		Conventional	Organic		
		290 gallons	660 gallons		
	Adj. Rainfall	145 gallons	330 gallons		
	Calculated using data	from the 2015 Life Cycle	Assessment of Cotton Fiber & Fabric		
Alternative Fact 4		e water needs led t worlds fourth-larg	o the draining of the lest lake.		
Why It's Wrong:	in the 1960s, the s flow of the two riv transform the surr	Soviet government ers feeding the Ara ounding desert int	tudy by Columbia University, deliberately diverted the al Sea. The goal was to to farmland to grow a number boor engineering decision, not to the depletion of water in		
Alternative Fact 5	Cotton occupies l growing populati		used to grow food for a		
Why It's Wrong:	Cotton crops prov food crop in the U used to grow cott volume of fiber gr	Cotton crops provide food as well as fiber and is regulated as a food crop in the United States. Over the past 50 years, the land used to grow cotton has remained relatively stable, although the volume of fiber grown has increased.			
		900 800 700 700 900	25 Table 2 Tab		



Y	verything ou've heard about Cotton wrong	Refuting "Alternativ	ve Facts" About Cotton		
Alternative Fact 6:	Covnetional cotton farming is in	dustrial farming.			
Why It's Wrong:	There are 18,155 cotton farms in the United States. Of these, 69% are family farms. An additional 21% are partnerships, many of these are family partnerships.				
	Combined, family farms and partnerships make up 90% of U.S. cotton fiber grown, and 87% of cotton fiber sold.				
		Source: USDA 2012 Ag Census			
Alternative Fact 7:	Cotton is responsible for an incr	ease of farmer suicides in India.			
Why It's Wrong:	to the contrary. In his study, Ger Agricultural Development, Qain	of Bt cotton there in 2002, an Dr. Matin Qaim provides evidence netically Modified Crops and n shows that the instances of ine flat since 2002, even as acres			
Alternative Fact 8:	Chemicals used to grow cotton cotton apparel and home textile	can permeate the skin through			
Why It's Wrong:	Insecticides are used on cotton and vulnerable. Once the boll o is mature and no additional pro-	to protect the plants are young pens to reveal the fibers, the plant tection from insects is required.			
	a series of washings that would	shed textile item, cotton undergoes help eliminate any farm chemical A short animation explaining this on www.cottontoday.com.			
Alternative Fact 9:	"Cotton Kills"				
Why It's Wrong:	making it a potentially unsafe fik risk is getting caught in a rainsto and potetially lead to hypothern	act that cotton is very absorbent, ber for hiking and camping. The orm and having the apparel cling nia. However, advances in textile ovative finishes that make cotton			

Everything YOU'VE HEARD ABOUT Cotton IS WRONG

Refuting "Alternative Facts" About



Cotton

Alternative Fact 10: "Cotton is the Enemy"

Why It's Wrong:

This trademarked phrase was once used by the athletic apparel brand Under Armour to refer to the fact that cotton did not wick moisture aware from the skin as well as synthetics. However, advances in textile technologies now make it possible for cotton to perform as well, or better, than some synthetics as an athletic apparel fiber.

It is worth noting that Under Armour's Charged Cotton line of apparel utilizes just such a technology.