



COTTON WEBINARS

WCRC-7 PLENARY MONTHLY LECTURE SERIES

9.00 to 11.00 AM (Eastern Time) 7 July 2021

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Dr. MV. Venugopalan

Principal Scientist (Agronomy) ICAR-Central Institute for Cotton research, Nagpur, India.



Dr. Jesse Daystar

Chief Sustainability Officer and Vice President of Sustainability. Cotton Incorporated, USA



Dr. Edward (Ed) M. Barnes

Senior Director, Agricultural and Environmental Research Division. Cotton Incorporated, USA

Topic: The Agony and Ecstasy of Asiatic Cotton

Dr. Venugopalan has 32 years of experience as a scientist in agricultural research. His main research contributions are in polyphosphate fertilizer kinetics; carbon sequestration in rainfed land use systems; InfoCrop –cotton simulation model and its applications; participatory land use planning techniques; organic and arboreum cotton technologies and high-density cotton planting systems. He published 127 research papers, authored 30 book chapters, 19 research bulletins and edited 9 books. He received the ICAR Team Award for research on C sequestration in 2006. He was recognized as a fellow of the Indian Society of Agronomy in 2014; the Indian Society for Soil Survey and Land Use Planning in 2016 and the Maharashtra Academy of Sciences in 2018. Dr. Venugopalan is the Executive Committee member of the International Cotton Researchers association since 2014. He was deputed to Malawi and Uganda as expert under Cotton-Technical Assistance Programme for Africa in 2014.

Joint Presentation: Making sense of cotton water requirements and water metrics

Dr. Jesse Daystar is an adjunct professor at the Duke Nicholas School of the Environment. Dr. Daystar leads the cotton industry to a more regenerative and sustainable future through supporting research and outreach programs aimed at implementing best science and practices in the soil and throughout the supply chain. Dr. Daystar holds a Ph.D. in Forest Biomaterials from N.C. State University and has established himself as a leader in cellulosic fiber sustainability. He has led research and consulting in aspects of product sustainability, biomaterials, biochemicals, and bioenergy. His research has produced numerous publications, sustainability and chemical and engineering tools; and certifications for clients including the USDA and the U.S. Department of Energy.

Dr. Edward Barnes has been leading efforts to increase the automation of cotton production systems. For the last eighteen years, Dr. Barnes has managed agricultural engineering related projects, including programs on: precision farming, ginning, irrigation management, conservation tillage, and cotton harvest systems. He has also played a significant role in documenting cotton's progress in reducing its environmental footprint while at the same time increasing productivity and currently serves on the Science Advisory Council of Field to Market, The Alliance for Sustainable Agriculture. Dr. Barnes is a Fellow of the American Society of Biological and Agricultural Engineers (ASABE). He was honoured with the National Cotton Ginner Association's Charles C. Owen Distinguished Service Award in 2019; the National Conservation Systems Precision Agricultural Researcher of the Year award in 2013, and in 2014, the ASABE Mayfield Cotton Engineer of the Year Award.

