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J Hum Ecol, 59(2-3): 156-163 (2017)
DOI: 10.1080/09709274.2017.1355525

Protective Clothing for Ginning Mill Laborers

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KEYWORDS Cotton. Ginning. Hazards. Laborers. Organic Dust. Protective Clothing

ABSTRACT Cotton is one of the major cash crops grown in the country. Ginning sector acts as bridge between the farmers field and textile industry. Cotton industry workers are exposed to various hazards in the different departments of textile factories, especially in the ginning, spinning and weaving sections which play an important role in the high incidence of industrial health hazards. The health hazards among the laborers in these ginning factories have been overlooked. This may be attributed to ignorance and lack of awareness among the workers regarding safety measures and non usage of protective clothes at workplace. The attempt was made to design and develop user friendly styles for various ginning activities and to assess the suitability, comfortability, functionality and acceptability of the styles with respect to the performance or work efficiency. Wear trials of the above functional clothing revealed that the garments were very much suitable for ginning activities. The comfortability of all the garments over the existing clothing practices were found to be statistically significant. Further there is a need to create awareness among the workers for usage of functional clothing and emphasize on benefits of protective clothing.