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RESEARCH ARTICLE

Performance of intercropping systems in plant crop of sugarcane in Cauvery Command area

■ K.V. KESHAVAIAH, M. SWAMY AND CHANDRAPPA

SUMMARY

Experiment conducted at Zonal Agricultural Research Station, V.C. Farm, Mandya on the plant crop of sugarcane revealed that sugarcane + vegetable soybean was a better intercropping option with higher B:C Rtio (2.38), sugarcane yields (161.67 t/ha) with the check crop of beans (already released technology) (169.14 t/ha), when compared to pure crop of sugarcane (164.51 t/ha). Higher number of tillers was recorded with these intercropping systems with the advantage of shorter duration which did not coincide with the active tillering stage as most of the long duration have and by virtue of them being leguminous crops with the ability to fix atmospheric nitrogen which compliment and supplement sugarcane crop by enhancing its growth and productivity. The additional income realised by these crops in addition to sugarcane yield is an added advantage. Vegetable crops like onion, bhendi, tomato have negative effect on the cane tillering, yield and economic feasibility.

Key Words : Intercropping, Vegetable soybean, Legume intercrops

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MEMBERS OF THE RESEARCH FORUM

Author to be contacted :
K.V. KESHAVAIAH, Zonal Agricultural Research Station (U.A.S.), V.C. Farm, MANDYA (KARNATAKA) INDIA
Email: kvkeshavaiah@gmail.com

Address of the Co-authors:
M. SWAMY AND CHANDRAPPA, Zonal Agricultural Research Station (U.A.S.), V.C. Farm, MANDYA (KARNATAKA) INDIA