



Influence of Bio-inoculants on the performance of Sugarcane Transplants

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Abstract:

An experiment was conducted to study the effect of sett treatment with bio-inoculants using sett treatment devise at ICAR- Sugarcane Breeding Institute farm, during 2018. The experiment consist of 5 varieties (Co 86032, Co 86011, Co 2001-13, Co 8371 and Co 0403) and 5 bio-inoculants (Plain water, Pink Pigmented Facultative Microbes (PPFM), Asosprillum, Beijernika and Frateuria auranti). The results indicated that, among the bio-inoculants treated, Pink Pigmented Facultative Microbes (PPFM), has recorded higher germination (58.2%) at 10th day of planting, however Berjernika has recorded higher germination (70%) at 20th day of planting. Sett treatment with bio-inoculants in Sett Treatment Devise had significant influence on settling vigor of both the single bud and bud chips. The bio-inoculant Beijernika has recorded higher settling vigor with single bud setts (4279) and bud chip settlings respectively on fresh weight basis (2385).

Biography:

Geetha Ponnaiyan has completed his PhD at the age of 27 years from Tamil Nadu Agricultural University, Coimbatore. She is



at present working as Scientist (Sr. Scale) in Indian Council of Agricultural Research (ICAR-Sugarcane Breeding Institute). She is the recipient of 5 national level research awards.

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