Sugarcane Sett Treatment Device for effective delivery of agro-inputs

Sett Treatment device developed by ICAR-SBI works in the principle of negative pressure and delivers various agro-inputs rapidly inside the sugarcane setts. It is amenable to treat different sugarcane planting materials viz., bud chips, single/ double/ triple budded setts. Sett borne or soils borne infection of fungal diseases in sugarcane are taken care by effective sett treatment with fungicides in the device. Chemical requirement is reduced by 1/10th in the mechanized treatment as compared to overnight soaking (300 g vs 3 kg).

Effective delivery of different agro inputs ensures production of healthy and vigorous settlings in the sugarcane nurseries. The device ably delivers compatible inputs at a time and ensures uniform treatment of the setts with different inputs. This device ensures economical chemical usage and requires less quantity of chemicals/ input. Sett treatment is very rapid and completed in 40 minutes. The device is simple to operate and less cumbersome. It is also possible to adopt this technology for treating planting materials of other vegetatively propagated crops. Since this technology in multi-use device has a potential to improve sugarcane growth and crop yield, the technology was commercialized and the license for fabricating the units was formally issued to the entrepreneur. The technology has been commercialized and 25 units are installed till date in the states of Tamil Nadu, Andhra Pradesh and Uttar Pradesh.

Sett treatment Device