

# Influences of distillery industry by products on productivity of cumbu napier hybrid grass [CO (CN) 4] under irrigated condition

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A field experiment was conducted during 2009 to 2011 at Research and Development farm, M/s. Bannari Amman Sugars Distillery Division Ltd., Ealur, Erode to assess the performance of cumbu napier hybrid grass by utilizing distillery industry byproducts viz., distillery spentwash, biocompost and spentwash ash. Treatments involved are distillery spentwash @ 37.5 and 50 kilo l per ha at full and split dose, biocompost @ 5.0 tonnes per ha and spentwash ash @ 400 kg per ha with recommended dose of fertilizers and the parameters were assessed at 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> harvests. Results of the field experiment revealed that the application of distillery spentwash @ 50 kilo l per ha at full dose with recommend dose of nitrogen and phosphorus increased all the parameters and reduced the biochemical parameters over recommended dose of fertilizers.

**Key words :** Distillery spentwash, Biocompost, Spentwash ash, Crude protein, Cellulose

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