

## Response of Briquettes Application with Different Coating Materials on Yield and Quality of Cucumber [Cucumis sativus (L.)]

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**Abstract :** The present investigation entitled "Response of briquettes application with different coating materials on yield and quality of Cucumber [Cucumis sativus (L.)]" was conducted at Central Experiment Center, Wakawali during kharif season 2013. The field experiment was laid out in Factorial Randomized Block Design with three replicate. The four coating materials viz., Co - Non coating, C1 - Wax coating, C2 - Jaggary coating, and C3 - Tar coating was applied to Konkan Annapurna Briquette along with three sub treatments of application time i.e B1 - ½ at sowing, B2 - ½ at sowing and ½ at 30 days after sowing and B3 - 1/3 at sowing, 1/3 at 30 days after sowing and 1/3 at 60 days after sowing. It was observed that the application of tar coated Konkan Annapurna Briquettes (KAB) in three times @1/3 quantity of briquettes at sowing time, 1/3 quantity of briquettes at 30 days after sowing and 1/3 quantity of briquettes at 60 days after sowing was found promising to enhancing the cucumber fruit yield, higher vine length, number of fruits vine-1, girth of fruit, length of fruit. It was also observed that the quality of the cucumber fruit increased in terms of ascorbic acid. UB-Godavari forms of briquettes .i.e. are promising source of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O fertilizers as compared to straight fertilizers for enhancing green cucumber fruit yield of Sheetal variety of cucumber in lateritic soil. Amongst the three types of coated briquettes, the tar coated briquettes application was found to be superior for increasing cucumber fruit yield applied in three times @1/3 quantity of briquettes at sowing time, 1/3 quantity of briquettes at 30 days after sowing and 1/3 quantity of briquettes at 60 days after sowing @ 5 briquettes per plant at an interval of 30 days after sowing.

**Keywords :** briquettes, coating, yield, tar, wax and quality

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