

# Study on Seed Germination and Growth Behavior of Brinjal *Solanum melongena* var. BR 112 in Admiration to Effect of C.M.L. (Country Made Liquor)

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### Abstract :

Abstract: In India a leading News paper Times of India published an unconfirmed report citing the use of Country made Liquor by the farmers in the National Capital Region Gurgaon for the cultivation of Brinjal crop. It was reported that use of CML increased the production of Brinjal by 06to 08 times. The brinjal thus produced were reported to be of good quality and appearance. An experiment was conducted to study the seed germination and growth behavior of brinjal (*Solanum melongena* L.) with country made liquor under environmental conditions. Seeds of *Solanum melongena* L. var. BR 112, were sown at the depth of 2.5 cm. with different treatments i.e. S1 (Control- Without Country made liquor 36 %V/V), S2 (Soil + 10% solution Spray of Country made liquor at intervals of 03 days with original Concentration 36% V/V ). 1000 replicates of each treatment were used for the study. Total numbers of germinated plants were counted from each set of all treatments, at the interval period of 5 days after sowing, and reported as emergence count. For growth study plant height, number of leaves, length and width of leaves and root length were measured from all the treatments. Result revealed that CML treated batch showed maximum germination% i.e. 700 plantlets from 1000 seeds then control i.e. 500 plantlets. After 20 days of Growth plantlets also showed maximum plant height (7.1 cm.), number of leaves (4.5) length of leaves (2.5 cm.), width of leaves (2.6 cm.) and root length (4.3 cm.) in S2 treatment then control S1 plant height(6.5 cm), number of leaves(3.8), length of leaves(2.0 cm), width of leaves(1.0 cm ), root length(4.7 cm). [Nature and Science 2010;8(5):163-166]. (ISSN: 1545-0740).

### Key Word :

*Solanum melongena* BR 112, Country Made Liquor, Tharra.

Volume 8, Number 5, May 2010 , ISSN 1545-0740