

NEW VARIETY RELEASE

Development of high-oil and high-citronellal *Eucalyptus citriodora* clone CIM-NANDI

CHANNAYYA H*¹ • BASKARAN K¹ • SUNDARESAN V¹ • NAGEGOWDA DA¹ • VERMA RS³
SATYASRINIVAS KVN² • KUMAR N² • PRAGADHEESH VS¹ • SINGH S³ • KALRA A³

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ABSTRACT

Eucalyptus citriodora (E.C.) is an important aromatic tree species in nature. It has wide applications in the cosmetic and pharmaceutical areas. The essential oil of the E.C. mainly consists of citronellal (80%); the world annual production of E.C. is around 250 tons and is produced primarily in Brazil and China; however, the estimated requirement is >1000 tons/year. So, it is essential to increase oil production to meet the demands of the industries. However, at this point, not a single high-yielding E.C. variety is available for cultivation from CSIR-CIMAP, and the general local cultivar is low yielding. Growing available local cultivars makes producing more oil difficult without the additional burden on primary agriculture arable land. We have developed high-oil and high-citronellal *Eucalyptus citriodora* clone CIM – Nandi to pursue this goal.