

NEW VARIETY RELEASE

CIM-Sudeeksha: A high herb-yielding and carvacrol-rich clone of Indian Oregano (*Origanum vulgare* L.)

VENKATESHA KT^{1*} • VERMA PPS³ • PADALIA RC¹ • VERMA RS² • JHANG T² • UPADHYAY RK¹
KUMAR D¹ • SINGH VR² • KUMAR S² • CHANOTIYA CS² • CHAUHAN A¹ • TIWARI AK¹ • SINGH
S¹ • KUMARI M² • GUPTA A¹ • KHOLIYA S¹ • SINGH MK²

Article History

Received: July 7, 2022

Revised: October 12, 2022

Accepted: November 15, 2022

Key Words

Carvacrol
CIM-Sudeeksha
DUS criteria
Essential oil

ABSTRACT

Oregano (Origanum vulgare L.) is a well-known spice with many applications in the flavoring business. Various liquor preparations, tomato sauces, condiments, baked meals like pizza, and salad dressings all contain dried Oregano leaves and essential oil. Due to no commercial cultivars or varieties, Oregano cultivation is currently not widespread in India. With a focus on improving herb production and essential oil yield, CSIR-CIMAP has developed a new genotype of Oregano OV-2, presently named CIM-Sudeeksha. During field evaluation testing, this new variety consistently outperformed herb and essential oil yield. This variety matures in 150 days after planting and has the potential to produce 65-68 q/ha of dry herb that can give an essential oil yield of 45-48 kg/ha. This cultivar has roughly 0.7% essential oil content on a dry weight basis, and the carvacrol content in the oil varies between 53.0-63.0%. The two main attributes of this cultivar are distinctive leaf morphology and carvacrol content in the essential oil. Additionally, this variety fulfills several DUS (Distinctness, Uniformity, and Stability) standards.