



## *A REVIEW*

# **Influence of using inorganic fertilizers, FYM and vermicompost on basmati rice (*Oryza sativa*)**

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**Abstract :** Rice (*Oryza sativa* L.) is one of the imperative and broadly grown cereal crop, which delivers half the daily food to vast population of the world. The yield of rice crop can be subsequently increased by the use of inorganic fertilizers during initial years but on long term, it has not been advantageous as it weakens the soil quality whereas use of organic manures (Vermicompost and FYM) alone in rice lead to low production and low nutrient content in rice crop at mid tillering stage which is responsible for poor quality and quantity of rice crop. Therefore, sustainability in production without deteriorating soil health can be accomplished by the sensibly use of integrated nutrient management. Integrated use of inorganic and organic manures will not only increase production but also uphold higher soil fertility status.

**Key Words :** Farmyard manure, Rice, Vermicompost, Yield

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