3. Low cost vermi composting technology

Name of Inventor

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Type**:** New
Date: Developed in 2015 and validated in 2018.
Patent: NA

Description of Technology

Raw materials: Half decomposed cow dung, biodegradable waste, suitable earth worms (*Eiseniafoetida*).

Half decomposed cow dung, other biodegradable waste and earth worms are placed in trenches of about 10ft long and 3 ft wide with a depth of 2 to 3 ft. These trenches may be made from mud or cement plastered.

The material is regularly turned with garden racks so that it gets fully decomposed.

Vermicompost gets ready in 55-60 days during summers and 80-90 days during winters and is sieved so that earth worms do not get away with the vermicompost.

It is rich source of macro and micro plant nutrients, beneficial microbes and growth promoters.

Impact

Vermicompost enhances productivity as well as quality of the produce. It is being produced and utilised as organic input on commercial scale in the valley.

Commercial Applicability

Vermicomposting is a flourishing industry throughout India. Validation of this technology under temperate conditions of Kashmir has provided an opportunity to unemployed youth to earn their living. A large number of entrepreneurs particularly women are taking up commercial vermicomposting successfully.