

## RESEARCH PAPER

# Effect of agnihotra and tryambakam homa ash on growth of tomato plants: A novel approach for organic farming

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The present experiment is a pilot study designed to know the effect of Agnihotra and Tryambakam homa ash on tomato plant (*Solanum lycopersicum* L.) grown under pot conditions. Agnihotra and Tryambakam homa were performed with chanting of sanskrit mantras. Agnihotra was performed during sunrise and sunset and tryambakam homa was at any time of day and ashes were collected separately from both the homas. These ashes were mixed with coco peat, red soil and cow dung separately and this mixture was filled in pots. Ten days old seedlings of tomato plant were transplanted into the soil mixture and nitrogen, phosphate and potassium (NPK), jeevamruth and consortium were added. After 80 days, the plant growth parameters viz., shoot length, root length, total length, number of leaves, fresh root weight, fresh shoot weight, total weight, dry shoot weight, dry root weight and total dry weight were studied. Most of the parameters showed statistically significant ( $P>0.05$ ) results however, shoot weight, total fresh weight and dry weights had no significant values. This pilot study suggests that agnihotra and tryambakam homa ash may be a good strategy of organic farming for sustainable agriculture.

**Key words** : Agnihotra homa ash, Organic farming, Plant growth, Tomato, Tryambakam homa

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