

## Assessment of tomato varieties for wilt tolerance in late kharif

|                             |  |
|-----------------------------|--|
| <b>Problem</b>              | <b>High incidence of wilt in Late Kharif Tomato</b>    |
| <b>Season</b>               | <b>Kharif</b>  |
| <b>Farming Situation</b>    | <b>Kharif, Rainfed, Upland</b>                         |
| <b>Objective</b>            | <b>To reduce wilt incidence and to increase yield.</b> |
| <b>Source of technology</b> | <b>IIHR, Banagalore</b>                                |

### Technology Assessed:

**FP : Cultivation of tomato var. Laxmi**

**TO1: Cultivation of wilt resistant tomato hybrid Aka Rakshak**

**TO2: Cultivation of wilt resistant tomato hybrid Aka Samrat**

| <b>Results</b> | <b>no of fruits per plant</b> | <b>Average fruit weight(g)</b> | <b>Incidence of wilt(%)</b> | <b>Yield(q/ha)</b> | <b>Net Income Rs./bed</b> | <b>B:C Ratio</b> |
|----------------|-------------------------------|--------------------------------|-----------------------------|--------------------|---------------------------|------------------|
| <b>FP</b>      | <b>22.125</b>                 | <b>76.250</b>                  | <b>24.125</b>               | <b>241.375</b>     | <b>165000/-</b>           | <b>2.9</b>       |
| <b>To1</b>     | <b>30.625</b>                 | <b>80.500</b>                  | <b>14.375</b>               | <b>300.750</b>     | <b>219000/-</b>           | <b>3.7</b>       |
| <b>To2</b>     | <b>25.750</b>                 | <b>78.500</b>                  | <b>21.875</b>               | <b>268.375</b>     | <b>187000/-</b>           | <b>3.3</b>       |
| <b>CD 5 %</b>  | <b>2.634</b>                  | <b>2.795</b>                   | <b>4.027</b>                | <b>5.510</b>       | <b>-</b>                  | <b>-</b>         |

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## Assessment of different varieties of oyster mushroom for cold tolerance.

|                             |   |
|-----------------------------|---|
| <b>Problem</b>              | <b>Less production of oyster mushroom at the time of low temperature (&lt;20<sup>0</sup>)</b> |
| <b>Season</b>               | <b>Rabi-2020-21</b>   |
| <b>Farming Situation</b>    | <b>Homestead</b>  |
| <b>Objective</b>            | <b>To find out suitable variety of oyster mushroom for low temperature for more yield</b>     |
| <b>Source of technology</b> | <b>OUAT,2012-13</b>   |

### Technology Assessed:

**FP: Cultivation of oyster mushroom variety *Peurotus sajarcaju* , Biological efficiency- 79% in normal condition (20<sup>0</sup>-30<sup>0</sup>)**

**TO1: Cultivation of oyster mushroom variety *Pleurotus florida*, Biological efficiency- 78% in (18<sup>0</sup>-30<sup>0</sup>)**

**TO2: Cultivation of oyster mushroom variety *Hyspigygus ulmarius* Biological efficiency- 92.5% in (18<sup>0</sup>-30<sup>0</sup>)**

| <b>RESULTS</b> | <b>Yield(kg/bed)</b> | <b>Biological efficiency (%)</b> | <b>Cost of Cultivation Rs./bed</b> | <b>Gross Income Rs./bed</b> | <b>Net Income Rs./bed</b> | <b>BC Ratio</b> |
|----------------|----------------------|----------------------------------|------------------------------------|-----------------------------|---------------------------|-----------------|
| <b>FP</b>      | <b>1.515</b>         | <b>79.500</b>                    | <b>50/-</b>                        | <b>180/-</b>                | <b>130/-</b>              | <b>3.6</b>      |
| <b>To1</b>     | <b>1.725</b>         | <b>85.500</b>                    | <b>50/-</b>                        | <b>204/-</b>                | <b>154/-</b>              | <b>4.1</b>      |
| <b>To2</b>     | <b>2.009</b>         | <b>90.625</b>                    | <b>50/-</b>                        | <b>240/-</b>                | <b>190/-</b>              | <b>4.8</b>      |
| <b>CD 5%</b>   | <b>0.337</b>         | <b>5.173</b>                     | <b>-</b>                           | <b>-</b>                    | <b>-</b>                  | <b>-</b>        |