

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201741013873 A

(19) INDIA

(22) Date of filing of Application :19/04/2017

(43) Publication Date : 10/11/2017

(54) Title of the invention : A novel Eco friendly Organic Plant Bactericide (EOPB) formulation from less expensive substrates against plant pathogenic Bacterial strains and method for making such formulation

(51) International classification

:A01N41/00;

A01N43/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(57) Abstract :

7. ABSTRACT OF THE INVENTION The present invention relates to an agricultural Eco friendly Organic Plant Bactericidal composition for treating, preventing, inhibiting, eliminating or delaying the onset of a plant bacterial infection or infestation in a plant, produced from mud pot fermentation of Datura metal leaves with cow urine at specified proportions, methodology and conditions. The composition contains, bioactive metabolites produced as end product by above said mud pot fermentation. The Eco friendly Organic Plant Bactericidal compositions of the present invention provide previously unseen eco-friendly antimicrobial effectiveness against plant pathogenic bacteria. These compositions comprise: a) a pH ranges about 8 to 8.5 b) The composition contains high bioactive metabolites produced by above said fermentation c) said concentration is stable for longer period of time. The composition allows crop yield to be increased by preventing or inhibiting the microbial disease in plants, and permits increasing the bactericidal activity of plants against plant pathogens. Furthermore, the composition prevents the environmental contamination caused by the use of chemical pesticides and also contributes to increase in farmer income.

No. of Pages : 36 No. of Claims : 9