

SPECIMEN FORMAT FOR THESES OF MONTH

Faculty : Home Science

Department : Resource Management

Branch / Area: : Agriculture

Sub Subject Heading: : Post harvest Technology

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Title of the thesis : Effect of different botanicals on the keeping quality of selected pulses

(i) In Roman Script -

(ii) In roman Script

Nomenclature of Degree: : Ph.D

Month & Year of Enrolment: : September 13th 2011

Month & Year of Registration: : September 13th 2011

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Name of Supervisor : Dr.(Mrs).K.Manimozhi

Designation of Supervisor : Associate Professor

Centre/department/school in which research was conducted : Avinashilingam University

University's Name & Address : Avinashilingam Institute for Home Science and Higher Education for Women, coimbatore

Abstract within 300 words:

In a developing country like India where the population has been growing steadily and a very large proportion of income is spent on food, food grains supply hasn't been met with the rapid demand growth. The country's average productivity of pulses has been significantly lower than the average yield in the world. Because of the higher productivity of the major cereals like rice, wheat and maize etc., pulses are not in a position to compete them specifically in properly managed irrigated lands. Deteriorating pulses production is slowly becoming a major threat due to increased focus of protein based food industries in the midst of ever improving socio-demographics. In this scenario, minimizing post-harvest storage loss of pulses is the most effective and economic ways of immediately increasing pulses availability. Heavy dosages of expensive pesticides are used to control the pulses damage, but their serious health hazards in the long run are completely ignored. An indigenous practice of using botanicals in storage of pulses plays a vital role in preventing storage losses and maintains the keeping quality of pulses. This study was designed to assess storage practices of pulses in selected households and to assess the keeping quality of selected pulses stored with different botanicals and impart training on the use of botanicals during storage. Trial Experiment proved the effectiveness of *Azadirachta indica* (Neem), *Vitex nigundo* (Nochi) and *Pongamia pinnata* (Pongamia) pulverized leaves to prevent losses of pulses during storage in various combinations. It is also proved that the effect of these botanicals had a positive impact in the keeping quality of pulses over the long period. The training programme helped the homemakers and shop keepers to improve their knowledge of storage practices, leading to optimum saving of pulses and improved health stature.

Examiners

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