

# POST HARVEST FOOD GRAIN STORAGE

Dr. P. Hyma



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## POST HARVEST FOOD GRAIN STORAGE

Food storage allows food to be eaten for some time after harvest rather than solely immediately. It is both a traditional domestic skill and, in the form of food logistics, an important industrial and commercial activity. Food preservation, storage, and transport, including timely delivery to consumers, are important to food security, especially for the majority of people throughout the world who rely on others to produce their food. Grain, which includes dry kitchen ingredients such as flour, rice, millet, couscous, cornmeal, and so on, can be stored in rigid sealed containers to prevent moisture contamination or insect or rodent infestation. For kitchen use, glass containers are the most traditional method. During the 20th century plastic containers were introduced for kitchen use. They are now sold in a vast variety of sizes and designs. Metal cans are used. Storage in grain sacks is ineffective; mold and pests destroy a 25 kg cloth sack of grain in a year, even if stored off the ground in a dry area. On the ground or damp concrete, grain can spoil in as little as three days, and the grain might have to be dried before it can be milled. Food stored under unsuitable conditions should not be purchased or used because of risk of spoilage. To test whether grain is still good, it can be sprouted. If it sprouts, it is still good, but if not, it should not be eaten. It may take up to a week for grains to sprout. When in doubt about the safety of the food, throw it out as quickly as possible. This book covers important aspects of food grain storage and gives more emphasis on storage problems.

**Contents:** Rain Water Harvesting; Post-harvest Handling; Seeds Germination; Food Grain Storage Security; Storage of Food Grains; Food Grain Packaging; Importance of Refrigeration Importance of Refrigeration; Vegetables and Cereal Foods Grain; Drying; Food Grain: Purchasing and Storage.

### About the Author



**Dr. P. Hyma** attained B.Pharmacy and M.Pharmacy from Osmania University and Mahila university respectively. Submitted Ph.D in Pharmaceutics from JNTU at Hyderabad, she has published 15 papers in national and international journals, presented papers in various Conferences around India and delivered guest lectures in reputed universities. She has been working in JNTU affiliated colleges since 9 yrs in various positions as assistant and associate professor, has worked as head of department of Pharmaceutics. She has guided many B.Pharm and M.Pharm students for projects. She is a Life Member of APTI. Presently working at SARC (Scientific & Applied Research Center)-Hyderabad as Research Head in Pharmaceutical Sciences.



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