

Sher-e-Bangla Agricultural University
Department of Agronomy
M.S. in Agronomy
Course Title: Post Harvest Technology
Course code: AGRO 514
Credit hours: 3

Course Content

1. Post harvest technology:

Concept, objective and importance.

Classification and steps of post harvest operations.

2. Post harvest technology of the following crops:

A. Grain crops.

- i) Cereal crops: Rice, wheat, maize, barley sorghum and millets.
- ii) Oil seed crops: Rapeseed/ mustard, groundnut, sesame, sunflower, soybean, Saflower, nizer, cottonseed, flax, coconut, castor etc.
- iii) Pulse crops: Lentil, gram, mungbean, black gram, grass pea, pigeon pea, soybean, field pea, cow pea, bush bean etc.

Physico-chemical properties of grains, theory and grain drying, safe moisture content of grains and seeds, methods of grain drying, grain dryers, cleaning, grading, marketing, storing, transportation, parboiling, milling.

B. Fiber crops: Jute, cotton, keanf, sunnhemp, mesta, flax (retting, ginning and drying).

C. Sugar crops: Sugarcane and sugarbeet-crushing sugar, gurr and syrup manufacture.

D. Narcotic crops: Tobacco- curing, handling and marketing.

E. Beverage crops: Tea, coffee and cocoa- processing, handling and marketing.

F. Tuber/Root crops: Potato, sweet potato, cassava and yams- storage and use.

G. Forage crops: Alfalfa, Lucerne, para, napier, grass and cowpea- hay and silage preparation.

H. Green manuring crops: Preparation of green manure.

I. Other crops: Rubber manufacture.

J. Spices and condiments: Onion, garlic, turmeric and ginger-their curing processing storing and marketing.

3. Visit to different post harvest technological plants.

Note:

The topics marked as 'BLUE' fonts will be taught/ conducted by Mirza Hasanuzzaman
The rest of the portion will be taught by Prof. Dr. Tuhin Suvra Roy.