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Agron-321

Practical Crop Production-II (Rabi Crops)

2(0+2)

Practical

Crop planning, raising field crops in multiple cropping systems: Field preparation, seed, treatment, nursery raising, sowing, nutrient, water and weed management and management of insect-pests diseases of crops, harvesting, threshing, drying winnowing, storage and marketing of produce. The emphasis will be given to seed production, mechanization, resource conservation and integrated nutrient, insect-pest and disease management technologies. Preparation of balance sheet including cost of cultivation, net returns per student as well as per team of 8-10 students.

Lecture schedule

S.N.	Topic	No. of lectures
1.	Allotment of land and field preparation	2
2.	Sowing methods	2
3.	Selection of crops and varieties	2
4.	Seed treatment	2
5.	Preparation of seed bed and sowing of crops	2
6.	Thinning and gap filling	2
7.	Fertilizer application including top dressing of fertilizers	2
8.	Intercultural operations- hoeing and weeding	2
9.	Intercultural operations- hoeing and weeding	2
10.	Application of moisture conservation practices	2
11.	Insect and pest management /control –application of insecticides.	2
12.	Disease management/control –application of fungicides	2
13.	Harvesting of the crops	2
14.	Threshing, winnowing and storage	2
15.	Marketing of produce	2
16.	Preparation of balance sheet including cost of cultivation and net return per student as well as team of a group of student	2

References:

1. Yawalkar, K.S., Agarwal, J.P. and Bokde, S. 2008. Manures and Fertilizers (10th edition), Agri-Horticultural Publishing House, Nagpur.
2. Balasubramaniyan, P. and Palaniappan, S.P.2016. Principles and Practices of Agronomy (2nd edition), Agrobios (India), Jodhpur.

3. Reddy, S. R. 2016. Principles of Agronomy (5th edition), Kalyani Publishers, Ludhiana.
4. Singh, S.S. and Singh, Rajesh. 2015. Principles and Practices of Agronomy (5th Re-set), Kalyani Publishers, New Delhi, Kalyani Publishers, Ludhiana.

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