



**WWW.AGRIGYAN.IN**  
Student of Agriculture....

[Click Here and Download Complete Syllabus](#)

**AGRON-211 Crop Production Technology-I (Kharif Crops)**

**2(1+1)**

**Theory**

Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield of *Kharif* crops. Cereals –pearl millet, maize, sorghum and rice; oilseeds- groundnut, and soybean; pulses-pigeonpea, fibre crops-cotton; forage cropssorghum,. Package of Practices of mungbean,urdbean, cowpea, cluster bean, sesame ,castor, sunhemp, miner millet and napier & acquaintance about *Panicum* , *Lasiurus* and *Cenchrus* and Jute

**Practical**

Sowing of kharif crops and their identification, effect of seed size on germination and seedling vigour of *kharif* season crops, effect of sowing depth on germination of kharif crops, identification of weeds in *kharif* season crops, top dressing and foliar feeding of nutrients, study of yield contributing characters and yield calculation of *kharif* season crops, study of crop varieties and important agronomic experiments at experimental farm. study of forage experiments, morphological description of *kharif* season crops, visit to research centres of related crops.

**Lecture schedule: Theory**

S.No.	Topic	No. of lectures
1.	Pearl millet- Origin, geographical distribution, economic importance, soil and climatic requirements,	1
2.	Pearl millet-, varieties, cultural practices and yield	1
3.	Maize-Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield	1
4.	Sorghum-Origin, geographical distribution, economic importance, soil and climatic requirements,	1
5.	Sorghum- varieties, cultural practices and yield(Seed and forage)	1
6.	Rice-Origin, geographical distribution, economic importance, soil and climatic requirements,	1
7.	Rice- varieties, cultural practices and yield	1

8.	Groundnut-Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield	1
9.	Soybean-Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield	1
10.	Pigeonpea-Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield	1
11.	Cotton-Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield	1
12.	Clusterbean, Mothbean, Cowpea, package of practices	1
13.	Sesame, Castor, package of practices	1
14.	Urdbean, Sunhemp, package of practices	1
15.	Napier, minor millets, package of practices	1
16.	Acquaintance about <i>Panicum</i> , <i>Lasiurus</i> and <i>Cenchrus</i> and Jute	1

### Lecturer schedule: Practical

S.No.	Topic	No. of lectures
1.	Identification of seeds, crops and other inputs of kharif season	1
2.	Sowing methods of different <i>kharif</i> crops	1
3.	Seed bed preparation of <i>kharif</i> crops including rice nursery and transplanting	1
4.	Working out seed rate, real value, seed size, depth and germination related numerical	1
5.	Seed treatment and preparation of seed material for sowing	1
6.	Preparation of seed material for planting of grasses	1
7.	Fertilizer application in crops, including top dressing and foliar feeding	1
8.	Identification of weeds in <i>kharif</i> season crops	1
9.	Morphological description of <i>kharif</i> season crops	1
10.	Irrigation operation in various crops	1
11.	Judging physiological maturity in standing crops	1
12.	Cotton seed treatment	1
13.	Effect of seed size on germination and seedling vigour	1
14.	Yield attributes and calculation on theoretical yield and harvest index	1
15.	Study of crop varieties and important agronomic and forage experiments at farm	1
16.	Visit of experiments at farm/research centres of related crops	1

[Click Here and Download Complete Syllabus](#)

**\*Elective course \*\*Non-gradual course**