

## AGRONOMY

Q 1: What are the important high yielding scented varieties of rice suitable for Sikkim?

Ans: Pusa Sugandha-2, Pusa Sugandha-3

Q 2: What is the method of growing rice under unflooded condition?

Ans: System of Rice Intensification (SRI) method.

Q 3: What is the seed rate of rice in SRI method?

Ans: 5-6 kg/ha

Q 4: What is the optimum time of nursery raising in rice?

Ans: 2<sup>nd</sup> week of June to last week of June

Q 5: What is the time of sowing maize in Sikkim?

Ans: February- March in case of Summer maize and Mid -October- Mid – November in case of Rabi maize.

Q 6: What are the high yielding varieties of maize suitable for Sikkim?

Ans: VSM-11, C-1837, RCM-1-2 etc.

Q 7: What are suitable QPM (Quality Protein Maize) varieties for Sikkim?

Ans :

Q8: What is the spacing to be maintained in maize in case of seed production?

Ans:

Q 9: What are crops can be taken in intercropping with maize?

Ans :

Q 10: What are the suitable high yielding varieties of mustard in Sikkim?

Ans: Pusa Bold, B-9, M 27, Ragini

Q 11: What is the optimum time of sowing of wheat?

Ans: October-November

Q 12: What are the high yielding varieties of wheat suitable for sikkim ?

Ans: Sonalika, UP-262, HD-2733 etc

Q 13: How to reclaim the soil acidity to get higher yield of crops?

Ans: Furrow application of lime or dolomite @ 500 kg/ha at or before 15 days of sowing crops?

Q 14: What is the optimum time of sowing of soybean?

Ans: Mid June to mid July

Q 15: What are the suitable varieties of soybean for Sikkim?

Ans: PK-1042, PK-475, Bragg, JS 335 etc

Q 16: What are the needs to maintain spacing in crops?

Ans: Spacing is maintained to avoid competition for space, nutrient, light, air, etc

Q 17: What is the optimum time of ploughing in the field?

Ans: Ploughing is done when there is optimum moisture in the field.

Q 18: What is the spacing for the sowing of maize under normal cultivation?

Ans: Row to Row: 50-60 cm

Plant to Plant: 25-30 cm

Q 19: What type of seed should be selected for maize?

Ans: Seed should be true to genetic purity, shape, size, colour, appearance and free from insect pest and diseases.

Q 20: What is the seed rate of maize?

Ans: 20-22 kg/ha

Q 21: What is the dose of FYM and method of application in maize crop?

Ans: 25 to 30 tonnes/ha FYM should be applied in 3-4 cm deep furrows in rows.

Q 22: What is the spacing in Soybean cultivation?

Ans: Row to Row: 40-50 cm

Plant to plant: 5-7 cm

Q 23: What is the dose of neemcake?

Ans: Neemcake acts as a repellent for many soil insects. It should be applied in line in furrow @ 50 kg/ha at the time of sowing.

Q 24: What is the optimum sowing time for maize crop?

Ans: Mid February to mid March.

Q 25: How to keep soybean field weed free?

Ans: (i) Clean cultivation

(ii) Two hand weeding at 20 days after sowing and 40 days after sowing

Q 26: How to manage water in soybean field?

Ans: (i) In the hilly areas there is no need of irrigation but excess water should be drained to avoid water stagnation

(ii) If needed, irrigate the field at flowering and pod formation stage.

Q 27: What are the major diseases of soybean and its control measures?

Ans: Main diseases of soybean are leaf blight and leaf spot. Preventive measures such as good land preparation, use of quality seeds, timely sowing, spacing, proper drainage system, etc may keep the crop diseases free.

Q 28: How to control termite infestation in crop fields?

Ans: (i) Deep summer ploughing.

(ii) Puddling of soil at transplanting of paddy

(iii) Crop rotation with leguminous crops

(iv) Use of neem powder/cake @ 50 kg/ha at sowing

Q 29: How to control aphid infestation in cowpea?

Ans: (i) Sowing cowpea in optimum time

(ii) Good manuring is essential

(iii) Infected plants should be removed and buried in the soil

(iv) Spraying with neemecide/ nimbicidin etc.

Q 30: What is the optimum sowing time for mustard, pea and potato?

Ans: October month is the optimum time for sowing of mustard, pea and potato.

Q 31: How many days old seedlings can be transplanted in case of SRI method of rice?

Ans: The optimum age of the seedling should be 10-12days old.

Q 32: What should be the spacing in case of SRI method of rice?

Ans. Plant to plant and line to line distance should be 25 cm. x 25 cm.