NOC: Crop Production Fundamentals (BCPP) - Video course

COURSE OUTLINE

Course content encompasses Kharif & Rabi season crops, and gives a detailed description of the general practices for the maintenance of crops. The course has been designed on the basis of class 11& 12 syllabus for agriculture subject of U P Board.

Week 1.

a. Crops and their classification
   Definition of crop, classification of crops

b. Importance of Vegetable
   Importance of vegetables and their classification

c. Irrigation management
   System of irrigation, method of irrigation and critical period of water requirement.

d. Principle of crop rotation
   Crop rotation, concept of crop rotation and crop rotation followed in different tracts of Uttar Pradesh.

Week 2.

a. Cereal crop production practices
   Paddy, Sorghum, Pearl millet and Maize crop production.
   
i. Paddy crop production
   Paddy crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, 
   weed control, disease control, insect control, harvesting and yield.

   ii. Sorghum crop production
   Sorghum crop variety, field preparation, seed and sowing, manure and fertilizer, 
   irrigation, weed control, disease control, insect control, harvesting and yield.

   iii. Pearl millet crop production
   Pearl millet crop variety, field preparation, seed and sowing, manure and fertilizer, 
   irrigation, weed control, disease control, insect control, harvesting and yield.

   iv. Maize crop production crop production
   Maize crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, 
   weed control, disease control, insect control, harvesting and yield.

Week 3.

b. Pulses crops production practices
   Pigeon pea, Green gram, Black gram and Cowpea crop production.
   
i. Pigeon pea crop production
   Pigeon pea crop variety, field preparation, seed and sowing, manure and fertilizer, 
   irrigation, weed control, disease control, insect control, harvesting and yield.

   ii. Green gram crop production
   Green gram crop variety, field preparation, seed and sowing, manure and fertilizer, 
   irrigation, weed control, disease control, insect control, harvesting and yield.

   iii. Black gram crop production
   Black gram crop variety, field preparation, seed and sowing, manure and fertilizer, 
   irrigation, weed control, disease control, insect control, harvesting and yield.

   iv. Cow pea crop production crop production
   Cow pea crop variety, field preparation, seed and sowing, manure and fertilizer, 
   irrigation, weed control, disease control, insect control, harvesting and yield.

Week 4.
c. Oilseed crops production practices
   Groundnut, Sesame, Soybean and Sunflower crop production.
   i. Groundnut crop production
      Groundnut crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   ii. Sesame gram crop production
      Sesame crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   iii. Soybean crop production
      Soybean crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   iv. Sunflower crop production
      Sunflower crop variety, field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

Week 5.

d. Fruit crops production practices
   Mango, Guava, Banana and Papaya crop production.
   i. Mango crop production
      Mango crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   ii. Guava crop production
      Guava crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   iii. Banana crop production
      Banana crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   iv. Papaya crop production
      Papaya crop variety field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

Week 6.

e. Vegetable crops production practices
   Tomato, Brinjal, Chilli and Okra crop production.
   i. Tomato crop production
      Tomato crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   ii. Brinjal crop production
      Brinjal crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   iii. Chilli crop production
      Chilli crop variety, field preparation, seed and sowing/transplanting, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.
   iv. Okra crop production
      Okra crop variety field preparation, seed and sowing, manure and fertilizer, irrigation, weed control, disease control, insect control, harvesting and yield.

COURSE DETAIL

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Crop Groups</th>
<th>Name of the topic</th>
<th>Video length (minutes)</th>
<th>Name of the instructor</th>
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<td></td>
<td>Irrigation and irrigation needs</td>
<td>8:00</td>
<td>Dr. S. K. Shukla</td>
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<td>Importance of crops and classification</td>
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<td>Crop rotation principle</td>
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<td>Importance of vegetable and classification</td>
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<td>2.</td>
<td>Cereal crop</td>
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<td>Maize crop production</td>
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<td></td>
<td>Green gram crop production</td>
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<td>Black gram crop production</td>
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<td>Soybean crop production</td>
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<td>Sunflower crop production</td>
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<td>Banana crop production</td>
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### 6. Vegetable crop

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<td>Tomato crop production</td>
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<td>Brinjal crop production</td>
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<td>Chili crop production</td>
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<td>Okra crop production</td>
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### References:

The content of the course has been taken from the book "Intermediate Agronomy part I and Intermediate Agronomy part II", which has been published by the Bharat Bharti Publication & Company, Meerut, Uttar Pradesh, India. Handbook of Agriculture and Handbook of Horticulture published by ICAR, New Delhi; Krishi Gyan Manjush, Kharif Faslo ki Saghan Paddhatiya, Rabi Faslo ki Saghan Paddhatiya and Zaid Faslo ki Saghan Paddhatiya published by UP Agriculture Department.