

THEORY

Production technology of oilseed-crops (Toria, Raya, Sarsoon, Canola, Taramira, Castor bean, Sunflower, Safflower, Sesame, Linseed, Groundnut, Soybean), grain legume crops (Chickpea, Lentil, Mungbean, Mashbean, Cowpea, Pigeonpea), forage crops (Berseem, Shaftal, Lucerne, Oats, Maize, Sorghum, Millets, Mottgrass), and miscellaneous crops (Potato, Sweet Potato, Tobacco, Tea, Medicinal crops). Techniques and practices for enhancing crop productivity.

PRACTICALS

Identification and plant characteristic of seeds, crops and cultivars, and seeds. Demonstration of improved sowing methods. Inoculation of legume seeds. Intercultural practices. Weed control practices. Demonstration of harvesting and threshing operations. Visits to RARI BWP, Adoptive Research Farm RYK, University/College research areas.

BOOKS RECOMMENDED

1. Baldev, B., S. Ramamjan and H.K. Jain. 1988. Pulse Crops. Oxford and IBH Pub. Co., New Delhi.
2. Martin, J.H. R.P. Waldren and D.L. Stamp. 2006. Principles of Field Crop Production 4th Ed. The McMillan Co., New York.
3. Nazir, M.S. 1994. Crop Production. National Book Foundation, Islamabad.
4. Rahman, A. and M. Munir. 1984. Rapeseed, Mustard Production in Pakistan, PARC, Islamabad.
5. Reddy, S.R. 2004 Principles of Crop Production. 2nd Ed. Kalyani Publishers New Delhi.
6. Wolfe, T.K. and M.S. Kipps .2004. Production of Field Crop: A Textbook of Agronomy. McGraw Hill Book Co. New York.

THEORY

1. Production technology of
 - a. Oilseed crops
 - i. Toria,
 - ii. Raya,
 - iii. Sarsoon,
 - iv. Canola,
 - v. Taramira,
 - vi. Castor bean,
 - vii. Sunflower,
 - viii. Safflower,
 - ix. Sesame,
 - x. Linseed,
 - xi. Groundnut,
 - xii. Soybean
 - b. Grain legume crops
 - i. Chickpea,
 - ii. Lentil,
 - iii. Mung bean,
 - iv. Mash bean,
 - v. Cowpea,
 - vi. Pigeon pea,
 - c. Forage crops
 - i. Berseem,
 - ii. Shaftal,
 - iii. Lucerne,
 - iv. Oats,
 - v. Maize,
 - vi. Sorghum,
 - vii. Millets,
 - viii. Mott grass,
 - d. Miscellaneous crops
 - i. Potato,
 - ii. Sweet Potato,
 - iii. Tobacco,
 - iv. Tea,
 - v. Medicinal crops).
2. Techniques and practices for enhancing crop productivity.

PRACTICALS

1. Identification and plant characteristic of crops, cultivars and seeds of the crops.
2. Demonstration of improved sowing methods.
3. Inoculation of legume seeds.
4. Inter-culture practices.
5. Weed control practices.
6. Demonstration of harvesting and threshing operations.
7. Visits to RARI BWP, Adoptive Research Farm RYK, and University/College research areas.

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7. Baldev, B., S. Ramamjan and H.K. Jain. 1988. Pulse Crops. Oxford and IBH Pub. Co., New Delhi.
8. Martin, J.H. R.P. Waldren and D.L. Stamp. 2006. Principles of Field Crop Production 4th Ed. The McMillan Co., New York.
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10. Rahman, A. and M. Munir. 1984. Rapeseed, Mustard Production in Pakistan, PARC, Islamabad.
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