



EASTERN UNIVERSITY, SRI LANKA.

FINAL EXAMINATION IN AGRICULTURE (500 Series) - 2000/2001

FIELD CROP PRODUCTION (CSC 442)

Answer all questions

Time allowed : 3 Hours

---

1. Critically discuss how field crop plants interact in mixed communities.
2. Discuss factors that determine crop yield in cereals grown in the tropics.
3. Identify recent advances made and future research needs in the production of rice.
4. Discuss the impact of chemical fertilizers in the cultivation of field crops on sustainable basis.
5. Write short notes on the following:
  - a) Nutrient Supplementation Index (NSI)
  - b) Biological Nitrogen Fixation in rice fields.
  - c) Dry matter partitioning in field crop plants.

\*\*\*\*\*