

EL FELAHA

(Farming — Cairo)

Vol. 37, No. 6

Nov.-Dec. 1957

Synopsis of Main Articles

**THE MERITS & DEFECTS OF COTTON
AND ARTIFICIAL FIBRES**

By

Dr. HELAL EL SAYED EL HATTAB,

Asst. Prof. of Crops, Agric. College, Cairo Univ.

The merits and defects of the cotton fibre are fully discussed, and the methods of overcoming the defects are hinted to. The various artificial fibres that can replace cotton in certain industries, and how far they compete with cotton, are reviewed. Such a competition calls for a continued effort to breed higher quality cottons, and to raise the average yield in order to render cotton available at a competitive price. Chemists should in the meantime not cease to render cotton more adaptable to the various industrial needs. The competition between cotton and artificial fibres is beneficial to humanity.

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**THE ROLE OF COOPERATIVE SOCIETIES
IN AGRARIAN REFORM**

By

Agric. Eng. Moh. Most. Ahmed Aly

The Agrarian Reform law enforces the formation of Cooperative Societies to serve the new small land owners. The drawbacks of previously existing cooperatives have been avoided in this legislation, while steps have been taken to keep up the yield of the divided areas, by following a proper crop rotation amongst the new owners, and by rendering them every possible help to obtain the highest income from the acquired area. The discipline of these cooperatives is fully discussed.

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THE ROLE OF PESTS IN SOIL DETERIORATION

By

Dr. Ah. HASSANEIN EL KAFL,
Agric. College, Cairo Univ.

The reciprocal relation between the soil and its animal inhabitants is discussed. Various soil pests and the damages they cause are mentioned. The author calls for a proper survey of soil pests and organized methods of control.

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ARTIFICIAL INSEMINATION

By

ASSAMA AREF EL AWA,

Teacher of Animal and Poultry Breeding

in Damascus Agricultural Secondary School

The writer states that the Arabs are recorded to have made the first attempt in artificial insemination in the year 1322. The development of the operation by subsequent researches is mentioned and a full description is given of the system as it is at present carried out and its advantages.

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THE RED SPIDER

By

Dr. M. H. Hassanein

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The red spider is one of the most important pests of cotton in Egypt. It has been increased recently due to the application of different chlorinated compounds to combat the cotton leaf worm. The unbalanced condition between the pest and its predators and parasites has made the pest a big hasardous to the Egyptian farmers. This problem must be investigated and clarified by research workers in Egypt.

The biology and the control of the pest in Egypt and in different countries especially Germany and U.S.A. have been reviewed and discussed.

The red spiders of citrus and deciduous fruits and their control have been summarised.