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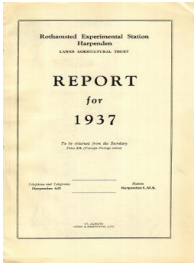

Crops, Soils and Fertilisers

Rothamsted Research

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CROPS, SOILS AND FERTILISERS

LXXV. F. M. L. SHEFFIELD. "*Stade Initial du Développement de la Fibre de Coton.*" Coton et Culture Cotonniere, 1937, Vol. XI, pp. 1-19.

A cytological examination, with illustrations, is given of the development of the fibre from primordial cells in the epidermis from the date of the opening of the flower. Emphasis is laid on the variability from cell to cell in a single seed, and from seed to seed within a single cell.

LXXVI. F. YATES and W. G. COCHRAN. "*Sampling Observations on Wheat.*" Journal of the Ministry of Agriculture, 1937, Vol. XLIII, pp. 1128-1129; Vol. XLIV, pp. 314-316, 701-706.

LXXVII. W. E. BRENCHLEY. "*Some Deficiency Diseases of Crop Plants.*" Journal of the Ministry of Agriculture, 1937, Vol. XLIV., pp. 116-122.

LXXVIII. W. E. BRENCHLEY. "*Boron and the Control of Plant Disease.*" Nature, 1937, Vol. CXXXIX, pp. 536-537.

LXXIX. W. E. BRENCHLEY. "*Pasture Problems.*" Nature, 1937, Vol. CXL., pp. 918-919.

LXXX. HUGH NICOL. "*Synthetic Substances that Regulate Growth in Plants.*" Manufacturing Chemist, 1937, Vol. VIII. *Part I : "Synthesis,"* pp. 175-180. *Part II : "Some Effects and Modes of Application,"* pp. 211-216. *Part III, "Uptake from Soil : Natural Sources, Nomenclature,"* pp. 254-257.

LXXXI. H. L. RICHARDSON. "*The Examination of Soils by Screened Ultra-Violet Light.*" Soil Research, 1937, Vol. V, pp. 308-310.

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LXXXII. B. A. KEEN. "*New Views on Drainage.*" The Farmer and Stock-Breeder, 1938, Vol. LII, p. 740.

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LXXXIV. B. A. KEEN and E. W. RUSSELL. "*Are Cultivation Standards Wastefully High ?*" Journal of the Royal Agricultural Society of England, 1937, Vol. XCVIII, pp. 53-60.

LXXXV. E. W. RUSSELL. "*The Physical Basis of Soil Structure.*" Science Progress, 1938, Vol. XXXII, pp. 660-676.

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LXXXVII. H. V. GARNER. "*The Effect of Manures on the Size of Main Crop Potatoes.*" Empire Journal of Experimental Agriculture, 1937, Vol. V, pp. 327-341.

LXXXVIII. H. V. GARNER. "*Fertiliser Trials at Schools—Further Experience with Microplots.*" School Science Review, 1937, Vol. XIX, pp. 258-265.

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XC. H. V. GARNER. "*The Distribution of Fertilisers.*" The Third Oxford Farming Conference, 1938, pp. 64-69.

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