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Report for 1933

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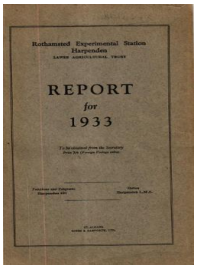

Crops, Soils and Fertilisers

Rothamsted Research

Rothamsted Research (1934) *Crops, Soils and Fertilisers ;* Report For 1933, pp 83 - 84 **- DOI: https://doi.org/10.23637/ERADOC-1-3**

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siderations are reinforced by a discussion of the results (to date) of certain experiments on flour doughs, and it is claimed that flour dough is a peculiarly suitable material for such investigations. A new rapid method for studying flow in flour doughs, recently described in the literature, is discussed. The dangers of classifying materials in hard-and-fast rheological divisions is emphasised, while it is pointed out that for practical purposes, and given adequate safeguards, such classifications may be extremely useful.

LIX. R. K. SCHOFIELD. "*Capacitance Hygroscopy and Some of its Applications.*" Nature, 1933, Vol. CXXXI, p. 96.

LX. HUGH NICOL AND F. M. L. SHEFFIELD. "*Applications of Photography to Agricultural Research.*" The Photographic Journal, 1933, Vol. LVII, pp. 27-35.

Report of lecture given before the Royal Photographic Society on January 17th, 1933.

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LXI. H. G. THORNTON AND HUGH NICOL. "*The Culture of Lucerne in Great Britain.*" Journal of the Royal Agricultural Society of England, 1932, Vol. XCIII, pp. 1-20.

LXII. A. G. NORMAN. "*Some Aspects of the Chemistry of the Plant Cell-Wall.*" Science Progress, 1933, Vol. XXVIII, pp. 229-245.

LXIII. R. A. FISHER AND F. YATES. "*Wheat Precision Observations.*" Journal of the Ministry of Agriculture, 1933, Vol. XXXIX, No. 12, pp. 1082-4; Vol. XL, No. 3, pp. 206-8; No. 7, pp. 591-3; No. 10, pp. 903-6.

These four reports contain summaries of the observations carried out on the growth of the wheat plant under the supervision of the Agricultural Meteorological Committee, acting for the Ministry of Agriculture and Fisheries, the Department of Agriculture for Scotland, and the Meteorological Office. The observations are taken by sampling methods, and last year were carried out at eight centres. They are designed to determine the principal events which mark the progress of the wheat plant from germination to maturity so that the effect of weather conditions, in combination with varying soil types, can be studied.

LXIV. H. C. LONG. "*Suppression of Weeds by Fertilisers and Chemicals.*" (Sections 4, 7, 8, 10 and 11, prepared by W. E. Brenchley). Published by H. C. Long, "The Birkins," Orchard Road, Hook, Surbiton, Surrey. 1934.

LXV. E. J. RUSSELL. "*Soils and Manures. The Farmers' Guide to Agricultural Research in* 1932." Royal Agricultural Society of England, 1933, pp. 199-236.

LXVI. E. M. CROWTHER. "*Soils and Fertilisers.*" Reports of the Progress of Applied Chemistry, 1932, Vol. XVII, pp. 447-477.

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LXVII. E. M. CROWTHER. "*Soils and Fertilisers.*" Reports of the Progress of Applied Chemistry, 1933, Vol. XVIII, pp. 519-552.

LXVIII. E. M. CROWTHER (WITH R. STEWART). "*Report of the Analysis of Soils Sub-Committee of the Agricultural Education Association.*" Agricultural Progress, 1934, Vol. XI, pp. 106-114.

LXIX. HUGH NICOL. "*The Odour of Soil.*" Perfumery and Essential Oil Record, 1933, Vol. XXIV, pp. 84-87.

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LXX. H. F. BARNES. "*Pests of Willows.*" The Times, 1933, February 6th.

LXXI. H. F. BARNES. "*Grass Seed Production and Gall Midges.*" Herbage Reviews, 1933, Vol. I, pp. 7-9.

LXXII. H. F. BARNES. "*Two further Instances of Flies Swarming at Rothamsted Experimental Station, with Some References to their Phenomenon.*" Entomologists' Monthly Magazine, 1933, Vol. LXIX, pp. 230-2.

LXXIII. H. F. BARNES. "*The Life History of the Emperor Moth.*" School Nature Study, 1933, Vol. XXVIII, pp. 7-11.

LXXIV. H. F. BARNES. "*Climbing Roses and the Peppered Moth.*" Gardeners' Chronicle, 1933, Vol. XCIV, pp. 215 and 217.

LXXV. H. F. BARNES. "*Recent Advances—Entomology.*" Science Progress, 1933, Vol. XXVII, pp. 449-56.

LXXVI. H. F. BARNES. "*Recent Advances—Entomology.*" Science Progress, 1933, Vol. XXVIII, pp. 315-24.

LXXVII.—C. B. WILLIAMS. "*The Boll Worms of Cotton.*" Empire Cotton Growing Review, October, 1933, Vol. X (4), pp. 273-281.

LXXVIII.—C. B. WILLIAMS. "*The Cotton Stainer Problem.*" Empire Cotton Growing Review, April, 1934, Vol. XI (2), pp. 99-110.

LXXIX.—D. MORLAND. "*Temperature in the Bee Hive.*" Congres International D'Entomologie, Paris, juillet 1932, 1933, pp. 879-881.

LXXX.—D. MORLAND. "*More about Swarms.*" Report of Bee-keepers' Annual Convention. Cheltenham, Aug, 1933, pp. 17-19.

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