

Uniformity Trials

References.

X Christides B.G. : Data from Univ Field Cambridge.
prob wheat.

Lyon T.L. ~~Some experiments to est~~

X ~~Five~~ Four references ✓ Lyon T.L. (9) potatoes

X ✓ Pearson E.D. (12) (unpublished) ^{wheat} ~~prob~~

X - Kiesselbach T.A. (6). oats

X - Stephens J.G. (14) sorghum.

X Dary J.M. (1)

Tedin O. data taken from literature : barley, mangel
wheat Alfalfa.

Lambert E.B. : J. Agric Res 1934 p 971

Garber, Lave Moors & Kiesselbach J. Amer Soc Agron 22:

1056-1061 - 1930 : Bibliography of plot technique

Garber Mc Elvaine & Hoover J Amer Soc Agron (1931) p 286

X 1/51 acre ~~do~~ J. Agric Res 33 255-68 (1926)

✓ A study in soil heterogeneity in experiment plots
oats & wheat.

Garber R.J. ~~A study of soil heterogeneity in
experiment plots.~~

Harris J.A. : On a criterion of substratum homogeneity
in field expts. Amer Nat 49 430-54.
1915.

(1 row x 5 feet) X
wheat

Day J.M. 1920. The relation of size, shape and number
of replications of plots to probable errors in field
experiments : J Amer. Soc Agron 1920 12 100-5

X Westover K.C. 1924. The influence of plot size & replicⁿ
~~of~~ an experimental error in field trial with
Irish potatoes. West Virginia Agr. Exp. Stat.
Bull 189.

Wood & Stratton (mangels) J. Agric Sci 3. (1910)

X Ligon L.L. J. Amer. Soc. Agron 22 689-99 1920.
Size of plot & number of replications in field
experiments with cotton.

Bibliography. J.A. Soc Agron. [16 1-16 : 804-5 : 1924]
[22 : 1056-61 1930] ; [23 : 1021-23 1931] ; [24 : 990-2
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From.
Bib 1930

Bailey M.A. and Troughton T. : An account of experiments
carried out to determine the experimental error of
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Agr. Tech & Sci. Ser. Bull. 63 (1926)

Forster H.C. & Baisey A.G. : Experimental error of
field trials in Australia.
J Depr Agr. Victoria 27 385-395 (1929)

Oats + corn
(1 row x 66 feet) X McLellan CK. Same determination of plot variability
J. Amer. Soc. Agron. 18 ⁸¹⁹ ~~565~~. 1926

Oats
(1 row x 15 feet) X Summels R. J. Amer. Soc. Agron 1925 Vol 17 p 140

X (1 row x 34 feet) Wilcox A.N. a study of field plot technic with strawberries
Sci Agr. 8 171 (1927).

Reference
wrong ? Wyatt F.A. Variation in plot yields due to soil
heterogeneity. Sci Agr. 8 248 (1927).

No Love H.H. : Experimental error in field trials :

J. Amer. Soc. Agron. 1919 11 212-6.
Lyon T.L. ~~Proc~~ Proc Amer Soc Agron (1910) & 1911

Morgan J.O. Same experiments to determine the
uniformity of certain plots for field tests.

Proc Amer Soc Agron 19 1 (1907-09) 58-67.

Stadler B.J. : Mo Agr. Expt Sta. Res. Bul 49
1921

Bryan A.A. A stat. study of the relations of size
& shape of plot & no. of ~~of~~ replications to
precision in yield comparisons with corn.

Iowa Agr. Exp Sta Rpt 1930-1 ~~67~~ 67. (1931)
for field experiments

Livermore J.R. : Plot technique with the potato

Potato Assoc. Amer. Proc 18. 7-19 1932.

Given above X ~~Kirk L.E.~~ Scient Ag 9 (1929) p119.

Krantz F.A. - A preliminary study of field plot technique in potato yield tests. Proc. Ninth Ann. Meeting of the Potato Assocⁿ of America 1922 42-44.

Prob.

Further studies in field plot technique in potato yield tests. Methods. 1923 174-9.

Meyers C.H. & Perry F.R. : Analysis & interpretation of data obtained in comparative tests of potatoes
J Amer Soc Agron. 15 239-53
18: ~~703-19~~. 1923

No

Magnsted O.C. Forde C.A. JASoc Ag 1934

X - Demandt E. Die Resultaten der Blanco Proeven met 2848 Pot van Oogstjaar 1931. // Archief voor Suiker-

sugar-cane
~~(to rows x 75 feet)~~

industrie in Nedehnd Indie - Deel III. Med. van het Proefstation voor Java Suikerindustrie, Jahrgang 1932 No 14

1932

AA Bryan.

Factors affecting experimental error in field plot tests with corn.

Corn.

~~Statistical~~ ~~Bulletin~~ Iowa Agric Expt Stat. Re Bull 163
pp 243-280 1933.

3 trials 2304 hills T.A 0.65 acre.

(1) 1923. 48 x 48 plot each (1 hill x 1 row)

(2) 1925 (3) 1925

Yields of 8 hill plots taken along and across the rows are given.

Hill yields filed with Iowa Agric Expt. Stat.

Lardh.

✓ Irrigated paddy: a contribution to the study of field plot technique.

Agric J. Ind. 19 20-27 1924.

Paddy 1921-22 104 plots, each 6.6 x 122 feet (0.0184 ac)

1922-3 72 .., .. 6.6 x 174 .. (0.026 ..)

Yields not given

RA Taylor: The inter-relationship of yield of and the various vegetative characters in *Hevea Brasiliensis*

Rubber

161 trees

Yields given (each year from 1921-22 to 1924-5)

Girth

Thickness of Cortex at 2 ft

No of Latex rows. in cortex at 2 ft

Dept of Agric Calif Bull No 77.

42
21 42
84

28 14
154

2 Swanson, A. F.

Variability of grain sorghum yields as influenced by size, shape and number of plots.

Sorghum.

J. Amer. Soc. Agron. Vol 22 No 30 pp 833-838

Total 50 rows x 16 rods (rows 40 inches apart).

400 single-row units 2 rods (about $\frac{1}{400}$ acre)

Field exp. technique

Yields not given.

W. J. F. A.

Variation in plot yields due to soil heterogeneity.

Sci. Agric Vol 7 1926 pp 248-56.

(¹³²~~120~~ feet x ³³~~37~~ feet)

Alberta
Manitoba

Oats:

1925 124 plots / 10 acre

Wheat

1926.

} yields given.

Vaidyanathan M

(1934)

Proc 21st Annual Indian Science Congress Bombay 1934

A statistical study of ideal shape size and shape of plot for sugarcane. based upon tonnage experiment

mentions a

1932 exp.

with Co 213 conducted at Meghal (Pusa) in 1933.

32 plots each 60' x 3' ($\frac{1}{24}$ acre)

Exp. done in 1933

S K Mitra & P M Ganguli

A uniformity trial in rice

(p 41)

plots 3' by 3'

Borden, R. J.

Replication of Plot treatments in Field Experiments.

Hawaiian Planter Record. Vol 34 pp 151-155 1930

Sugar-cane: field trial 1929

48 plots each 30 feet by 75 feet (6 rows of cane)

References to look up. in Sci. Lib.

Wiener W T G & Broadfoot. R. 1924. The Amount of variability which
may be expected to occur in a determination of
wheat comparative yields in small grains.
94 plots ($\frac{1}{100}$ acre) Proc. Fifth Ann. meeting Western Canadian Soc. Agr p 17-24
not in England.

Culhan AB: Initial variations between plots used for cacao
manuscript trials. Year Book Dep't Agric. G.C. 1927
78-82.

Imperial Inst. of Ent. 41 Queen's Gate.

Dandamis A. D. Bull. de l'Assoc. Inter. des Selectionneurs des
Plantes 4, 1931 106-15. Cambridge. S. A. 30

P Karentzenko . Neue Präzisionsmethoden auf den Versuchsfeldern

Arbeiten des Landes. Versuchstationen Iwanowskaya

S 159 1904-6 .

Sugarbeet

Total are 5.68 ha.

416 plots each 136.5 qm.

Th Roemer: Der Feldversuch.

Arbeiten der Deutschen Landwirtschafts Gesellschaft

Heft 302 1920 ,

Sugar-beet

25

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W. G. PYE & Co.,
Grant Works—CAMBRIDGE, ENGLAND.
No. 30.

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Archief voor de Rubbercultuur in Nederlandsch-Indië
19e Jaargang No 1 1935

Vereffening van Proefveldresultaten in de
Rubbercultuur

door

G. Posthumus and M. van Uven.

~~en~~ Rubber.

12 ~~metres~~ metes 16 plots
