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23rd.July 1936.

A.R.Saunders, Esq.,
Senior Research Officer,
School of Agriculture and Experiment Station,
Potchefstroom,
South Africa.

Dear Mr. Saunders,

Many thanks for the copy you sent of the yields of two maize uniformity trials, and for your kindness in writing to other Institutions for possible data.

Yours faithfully,

SAYER

April 26th. 1937.

Wynne Sayer Esq.,
Imperial Agriculturist,
Imperial Institute of
Agricultural Research,
Pusa,
India.

Dear Sir,

We are keeping an index of uniformity trial data at Rothamsted and would like to add to it the yields of the sugar cane uniformity trial used in your paper "Ideal size and shape of sugar cane experimental plots based upon tonnage experiments with Co205 and Co 213 conducted in Pusa." Indian J. Agric. Sci. VI.1936. (1st. sugar cane trial, 840 plots only.)

The yields of uniformity trial data are now widely used in investigations on optimum size and shape of plot, and on the relative efficiency of experimental designs, and we hope to make the existing data readily available to students.

If you can let me have a copy of the yields, I shall be much obliged.

Yours faithfully,

Siao.

March.1936.

Fu Siao, Esq.,
Division of Agronomy and Plant Genetics,
University of Minnesota,
St. Paul,
Minnesota,
U.S.A.

Dear Sir,

We are keeping an index of uniformity trial data at Rothamsted and would like to add to it the yields of the cotton uniformity trial used in your paper

"Uniformity trials with cotton."

J. Amer. Soc. Agron. Vol.27, No. 12, Dec. 1935.

If you can refer me to any publication containing the figures or send me a copy of them, I shall be much obliged.

Yours faithfully,

31st January, 1939.

Fu Siao, Esq.,
Kwangsi Provincial Agricultural
Experiment Station,
Shatong,
Liuchow Kwangsi,
China, via Hong Kong.

Dear Sir,

We are keeping an index of uniformity trial data at Rothamsted and would like to add to it the yields of the uniformity trial data used in your paper.

"Uniformity trials with cotton"
J. Amer. Soc. Agron., Vol. 27. ~~No.~~ P. 12.

If you can refer me to any publication containing the figures or send me a copy of them, I shall be much obliged.

I wrote to you previously, but was unable to get yourcorrect address. This was supplied to me by Dr. Hayes during a visit to the University of Minnesota. He said he was sure you would anything possible to help me.

Yours faithfully,

I am sending a copy of our index under separate cover.

Stratton

24th April, 1937.

Professor F.J.M. Stratton,
Gonville and Caius College,
Cambridge.

Dear Sir

We are keeping an index of uniformity trial data at Rothamsted and would like to add to it the yields of the Mangolds uniformity trial used in your paper with the late Professor Wood.

"The interpretation of Experimental Results."
J. Agric. Sci. 3 417-440

The yields of uniformity trial data are now widely used in investigations ~~ect~~. on optimum size and shape of plot, and the relative efficiency of experimental design, and we hope to make the existing data readily available to students.

If you can let me know where I can get hold of a copy of the original yields(if they have been preserved) I shall be much obliged.

Yours faithfully,

From Professor F. J. M. STRATTON, Gonville & Caius College,
Cambridge.

27/4/37

Dear Mr. Cochrane,

Unfortunately all the material of the mangold crop referred to by you was in the possession of the late Prof. T.B. Wood and was kept by him. I do not know how you can

get at it, unless through the Department of agriculture at Cambridge. They may have the necessary data filed.

Yours sincerely

F. Shutter.

Swanson.

1st December, 1936.

A.F. Swanson, Esq.,
Bureau of Plant Industry,
U.S. Dept. of Agriculture,
Washington, D.C.

Dear Sir,

We are keeping an index of uniformity trial data at Rothamsted. I cannot find any publication containing the original yields of the 400 plots in the sorghum uniformity trial which you discuss in your Paper J.Amer.Soc.Agron. 22 833-838. If you can refer me to any publication accessible in England which contains the original yields, or failing that send me a copy of the yields. I would be very glad to add them to our index and make them accessible to students.

Yours faithfully,

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
IN COOPERATION WITH
THE KANSAS AGRICULTURAL EXPERIMENT STATION

DIVISION OF
CEREAL CROPS AND DISEASES

FORT HAYS EXPERIMENT STATION
HAYS, KANSAS

February 6, 1937

Mr. W. G. Cochran,
Rothamsted Experimental Station
Harpenden, Herts, England

Dear Mr. Cochran:

Answer to your letter of December 1 has been delayed due to the fact that I could not locate the original yields used to determine the uniformity trial in which 400 plots of sorghum were involved. The discussion was published in the Journal of the American Society of Agronomy in 1930. I am sending you a reprint of this article even though you may have one already in your files. As I recall, the original data were discarded some years ago. I regret exceedingly that we are not able to supply you with this material.

Several years ago Mr. D. A. Savage of this station, who recently left us, was making some effort to determine the accuracy in taking green and dry samples of sorghum. He used three varieties and took five samples each for the year 1933. While the number of entries are limited, I thought you might be interested in using it for a statistical study. This is about the only material we have on hand at the present time that might be of interest to you.

Yours very truly

A. F. Swanson

A. F. Swanson
Associate Agronomist

Table 99. Actual yields of green and field cured total forage, average percentage of various kinds of dried material from three yield samples obtained from each plot at different times, and the calculated yields of dry material from five uniform 1/30th acre, 4-row plots of Early Sumac, Atlas, and Pink kafir. Hays, Kansas, 1933.

Plot No.	Yields of total forage: Green material oven dried directly — Actual green: Per plot Lbs.	Actual green: Per acre tons	Oven dry: % of green	Oven dry: Per acre tons	Field-cured material variously dried — oven dried directly: Actual field cured per Plot Lbs.	Actual field cured per Acre tons	Oven dry: % of field cured	Oven dry: Per acre tons	Air dried then oven dried — Air dry: % of field cured	Air dry: Per acre tons	Oven dry: % of field cured	Oven dry: Per acre tons	Ave. of 3 methods oven drying tons
Early Sumac sorgo F. C. 6611:													
1	341	5.12	33.4	1.71	191.7	2.88	54.9	1.58	72.6	2.09	52.8	1.52	1.60
2	277	4.16	33.1	1.38	155.2	2.33	51.9	1.21	71.0	1.68	51.6	1.20	1.26
3	258	3.87	34.4	1.33	144.4	2.17	52.1	1.13	73.4	1.59	52.0	1.13	1.20
4	292	4.38	33.4	1.46	163.7	2.46	53.6	1.32	73.3	1.80	50.9	1.25	1.34
5	287	4.31	35.1	1.51	152.7	2.29	51.9	1.19	71.2	1.63	49.4	1.13	1.28
Ave. per acre		4.37		1.48		2.43		1.29		1.76		1.25	1.34
Atlas sorgo F. C. 13605:													
1	879	13.19	36.4	4.80	628.3	9.42	49.3	4.64	69.3	6.53	43.9	4.14	4.53
2	888	13.32	37.9	5.05	637.8	9.57	48.3	4.62	72.0	6.89	46.6	4.46	4.71
3	829	12.44	40.1	4.99	598.1	8.97	49.0	4.40	68.7	6.16	48.0	4.31	4.57
4	914	13.71	37.4	5.13	667.5	10.01	49.9	4.99	67.5	6.76	45.8	4.58	4.90
5	825	12.38	37.6	4.65	604.2	9.06	51.4	4.66	69.4	6.29	47.0	4.26	4.52
Ave. per acre		13.01		4.92		9.41		4.66		6.53		4.35	4.65
Pink kafir C. I. 432:													
1	309	4.64	44.2	2.05	196.4	2.95	62.2	1.83	77.2	2.28	64.7	1.91	1.93
2	278	4.17	46.8	1.95	178.8	2.68	60.6	1.62	73.0	1.96	59.1	1.58	1.72
3	284	4.26	47.1	2.01	189.0	2.84	60.7	1.72	76.1	2.16	62.7	1.78	1.84
4	289	4.34	44.5	1.93	189.2	2.84	66.7	1.89	76.8	2.18	62.3	1.77	1.86
5	298	4.47	44.1	1.97	190.3	2.85	62.3	1.78	74.5	2.12	58.8	1.68	1.81
Ave. per acre		4.38		1.98		2.83		1.77		2.14		1.74	1.83

Note: Five uniform 1/30th acre, 4-row plots of each variety were harvested, weighed green, and 3 samples obtained from each plot on Oct. 9. The samples were oven dried at once at a temperature of 100°C. Field cured yields and 6 additional samples from each plot were secured on Oct. 25 and 26. Half of these samples were oven dried at once and half were air dried 15 days and then oven dried. The first killing frost occurred on Oct. 8 causing the leaves, especially those of Pink kafir and Early Sumac, to lose considerable moisture before harvest.