SD. P M Gangulee - Karimganj Farm. Assam.

BA -

103 Wynne Sayer. Imperial Agriculturalist, Imp Institute Concerned.
of Agric Res. Pusa. India

W H Beckett Dept of Agric P O Box 299 Accra.

Uniformity trial changes since Catalogue went to press.

No 113	(2) wheat	R	instead of	N
No 49	Oats	R	- - -	N
No 29	Cotton	R	- - -	N.

New Paddy : enclosed.

Sugarcane : 710 plots, each 20 holes x 1 line ie 50' x 5'
= 1/175 a. TA nearly 6 acres.

H Evans, Sugarcane Research Station
Dept of Agric,
Reduit Mauritius

R

unpublished

Statistical analysis of a blank test of rice with suggestions for field technique

Li- Ying Shen. Agricultural Sinica. Vol I No 4 pp 107-150 Nanking 1934.

Rice 300 plots each (1 rod × 14.25 feet)
1.5 feet bet. rows. N.

1.67
2.27

Keep in mind.

L F Chao.

The principles & practice of rice-breeding. (in Chinese)
J Agricultural Association of China No 114 1-52
July 1933.

Prof H.H Love.

G			N			R		
Entry	No of trees	TNP.	Entry	No of trees	TNP	Entry	No of trees	TNP
1	6	246	W 5	1	~~50~~	2	3	108
3	1	145	W 13	1	500	8	1	2304
4	1	512	16	1	~~360~~ 60	14	1	2000 trees
6	1	184	~~17~~	3	6912	20	1	36
7	1	390	W 25	2	400	24	1	490
9	2	158	28	1	1280	26	1	12000 trees
10	6	246	44	1	1050	27	7	3696 ft.
11	1	234	48	1	68	29	2	1152
12	1	96	64	2	176	30	1	480
15	5	145	~~69~~	~~4~~	~~658~~	31	2	1000
18	1	450	W 73	4	5560	38	1	300
19	1	46	W 74	1	51	39	1	250
21	1	438	W 76	3	300	55	1	36
22	1	120	79	1	—	Negro. 68	1	~~750~~
23	5	800	80	1	280	61	1	1000 trees
32	1	63	88	1	400	89	2	~~72~~
33	1	200 trees	W 92	2	200	95	1	600
34	6	180 ft.	99	203	203 x 36	119	1	36
35	1	364 ft.	~~201~~	1	~~32~~	129	1	1080
36	1	390	W 111	1	3100			
39	1	83	112	1	66			
40	11	1085	~~120~~	1	~~384~~			
41	1	30	126	1	94			
42	1	200	110	1	~~250~~ (½)			
43	2	325	101 Coco	1	840 (½) 44			
				1	~~360~~			

	G	
45	1	105 ?
46	1	600 ✓
47	3	140 ?
49	1	295 ✓
50	1	450 ✓
51	2	500 ✓
52	2	158 ✓
53	1	46 ✓
54	1	207 ✓
56	1	24 ✓
57	1	240 ✓
58	1	48 ✓
59	1	512 ✓
60	14	1610 ✓
61	1	124 ✓
62	3 ✓	1735 trees
63	7	1351 Th ✓
65	1	760 ✓
66	1	144 trees ✓
69	3	43 th ✓
70	1	576 ✓
71	1	204 ✓
72	1	420 ✓
75	4	136 ✓
77	1	54 ✓
78	1	560 ✓

Neigh
68 1 750 ✓
NIAB

69 1 618 ✓

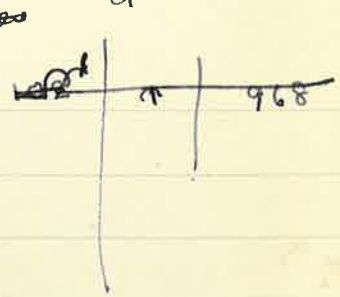
Fenn
17 3 ✓ 6912 ✓

Waite
129 1 360

NY State gener
5 1 50 tr

1680
500
668

	G			G		G
82	1	161 trees	116	1	30	
83	2	158	117	1	1280	
84	1	128	118	1	500	
85	3	138	120	1	224	
86	3	480	121	1	63	
87	1	2000	123	2	490	
90	1	30	124	1	48	
91	2	2422	125	1	1500	
93	1	46	127	1	124	
94	1	600	128	1	968	
96	1	416	101	1	~~1088~~ (½)	
97	2	192				
98	1	48	G	134 Tot trees	29198	mean 218
100	1	1200		26	5224	201.
102	1	48				
103	1 Fl	144 trees				
104	1 Fl	24 trees	N	23	13465	598
105	1	240		3	910	303.
106	1	35				
107	1 Fl	180 trees				
108	1 Fl	320 trees	R	20	11640	
109	1	390		~~8~~	~~11604~~	all 582
110		288 (½)		3	15000	5000.
113	1	160	G'	130	28530	219
114	1	450		30	5895	196
115	1	295				



Uniformity trial data

Alfalfa.	3	(11 sets)
apples	3	(3 sets)
Barley	5	(14 sets)
Barley Nudet	1	(1 set)
Cocoa	2	(2 sets)
Cloves	1	(5 sets)
Corn	6	(9 sets)
Fodder corn	1	(1 set)
Cotton	6	(12 sets)
Grapes.	1	(1 set)
Hops	1	(1 set)
Lemons	1	(1 set)
Lentils	1	(1 set)
Mange	13	(13 sets)
Marigolds	4	(5 sets)
Millet	2	(2 sets)
Mushrooms	1	(3 sets)
Oats	15	(30 sets)
Oranges	2	(9 sets)
Paddy	1	(2 sets)
Pasture	1	(1 set)
Peaches.	1	(1 set)
Pineapples	1	(3 sets)
Potatoes	7	(10 sets)
Rice	6	(11 sets)
Rubber	2	(2 sets)
Rye	1	(2 sets)
Seeds	1	(1 set)
Silage corn	1	(3 sets)
Sorghum	4	(5 sets)
Soy beans	2	(3 sets)
Strawberries	1	(2 sets)
Sugar beet	5	(6 sets)
Sugar-cane	4	(206 sets)
Swedes	1	(1 set)
Tea	1	(1 set)
Timothy hay	2	(2 sets)
Tomatoes	1	(1 set)
Walnuts	1	(1 set)
Wheat.	19	(21 sets)

40 crops 123 sets.

W.G.C.

You might note (in connection with your uniformity trial index) that O.V.S. Heath has done some measurements of height, node number & dry matter ~~and~~ on every ~~individual~~ cotton ~~plants~~ plants in an area, for the purpose of determining the best form of sampling unit. Heath is at present at Barberton but is probably leaving there shortly, & may be going to Imperial College.

F.Y.

Uses of uniformity trial data

(1) Optimum size and shape of plot. number of replications necessary to give a prescribed degree of accuracy

(2). Relative efficiency of different types of design : Eg. r. b. & L.S. incomplete r.b.

Sam in accuracy by comparing validity

(3) Questions of validity of Fisher's test etc. Tedin, Eden & Yates.

(4) value of a uniformity trial as a means.

Particular notes.

Metzger WH?

F Stewart: Missing hills in potato fields: their effect upon the yield.

Uniformity trials: Summary by Mercy Sanders.

Taylor RA: Inter-relationship of yield and the various vegetative characters in Hevea Brasiliensis

Rubber!

260
054

Sugar – Cane : Sugar-Cane Research Station
Dept of Agriculture, Reduit.
Mauritius

See file Stills 1 row x 20 holes.