

108 / Genstat data 8

agridat::macdonald.cotton.uniformity

Two fields

B2a rows 3'6" apart, 2' between plants

B5a rows 3'6" apart, 18" between plants, 30' lengths

extract from letter that may be of use

EXP 30.XLS

P.

I am enclosing the data from two uniformity trials as promised in my letter of 25th June 1936. The trial on field B.2a was planted with rows 3'6" apart, the interplant spacing in the row being 2'. Adequate guard rows were discarded, the rows divided up into  
In field B.5.b. the spacing was 3'6" between rows with 18" spacing in the row, the trial being harvested in units of 30' length of row. In both trials 8' were discarded at both ends of each row to obviate any edge effect.

Actual yields were low for the following reasons-

1. Planting date 6 to 8 weeks later than optimum planting time due to late rains.
2. Severe damage by aphids unevenly distributed over the two fields, and further lowering of the yield by severe drought during February and March.
3. Both the above fields represent the extreme variation in soil fertility present on the station and are not truly representative of average soil fertility conditions.

EXP 30.XLS



field B5 b

series A	series B	series C	series D
520	540	410	460
290	450	440	410
420	350	510	340
350	330	440	400
340	220	400	410
360	380	440	360
410	430	340	370
370	420	160	280
400	500	300	390
460	500	300	380
590	400	560	360
530	400	660	480
740	450	610	450
640	510	860	610
630	440	850	510
460	450	610	580
440	470	720	620
420	450	450	730
530	490	660	660
510	420	460	610
440	520	450	540
490	490	470	370
470	480	520	600
460	350	430	600
270	320	510	460
410	440	480	580
380	540	510	630
450	560	600	490
390	400	540	450
330	420	530	510
320	360	700	390
210	370	620	410
340	480	640	520
380	380	600	460
470	490	580	410
500	360	650	400
530	420	370	470
470	540	410	400
490	750	570	360
600	600	440	480
430	630	470	430
490	650	360	410
440	590	450	350
290	540	280	360
360	510	500	420
320	390	220	320
260	360	370	420
400	490	280	700
390	580	370	390
600	530	360	410
480	710	480	390
620	540	470	460
550	600	630	560
600	510	560	380
520	540	850	480
550	570	760	600
560	500	810	660
380	500	700	690
410	400	920	690
390	500	630	730
370	400	690	650
270	610	690	690
450	520	510	640
440	430	510	690
450	640	640	600
500	570	540	610
530	550	380	430
300	640	500	640
420	430	500	480
390	450	580	440
340	680	490	400
370	410	490	470
450	620	510	450
410	590	500	540
420	300	680	610
410	400	590	780

EXPLO. XLS

420	410	410	630
440	410	450	610
390	400	510	570
400	340	400	590
420	420	400	560
360	380	430	480
340	380	260	430
420	350	460	320
370	440	410	310
350	370	410	280
420	500	340	310
330	390	330	340
420	620	430	360
540	500	320	390
550	580	440	460
460	440	490	460
720	500	520	430
420	590	310	360
600	480	560	310
610	340	320	390
490	420	490	370
410	350	290	340
320	290	240	270
340	320	390	380
490	390	370	460
540	300	220	390
670	350	360	420
580	450	300	470
560	430	370	450
690	470	290	430
660	430	410	300
910	410	470	320
740	480	370	420
630	430	360	500
710	490	410	540
590	420	440	410
570	190	300	580
490	340	270	530
620	440	220	430
430	400	260	370
430	430	280	300
390	410	250	350
350	340	220	410
200	370	260	270
310	400	350	420
160	380	280	410
270	320	390	460
310	490	650	490
460	460	500	450
410	540	480	500
380	420	650	540
390	510	640	570
440	600	750	670
450	480	630	590
440	520	620	510
620	350	440	370
620	400	520	480
540	570	390	370
750	590	400	380
690	650	420	360
450	560	540	300
640	550	550	380
710	640	430	380
660	490	580	380
630	600	490	360
650	600	450	390
690	610	380	610
540	580	530	560

field B2a			
series A	series B	series C	series D
360	390	370	300
460	380	520	390
470	380	500	390
310	340	530	410
280	360	580	520
220	590	700	440
240	400	640	640
160	530	650	690
270	550	650	810
470	470	480	860
360	310	400	1020
230	360	490	890
460	380	580	650
430	420	830	900
310	300	1000	780
330	340	940	980
350	600	690	1090
310	320	1030	850
310	480	930	920
250	420	1000	950
210	590	800	720
240	480	720	750
350	510	680	770
250	600	590	760
300	700	630	800
410	590	660	710
370	630	750	690
400	620	640	600
210	720	790	670
220	550	810	740
320	570	570	520
380	550	970	640
310	550	910	630
300	440	780	550
500	760	700	560
450	660	740	420
720	760	520	540
440	550	470	380
640	590	580	540
450	530	560	570
440	610	380	580
300	500	430	570
400	450	380	530
430	560	490	680
560	400	300	680
480	560	490	620
650	540	570	600
400	620	610	750
480	530	410	650
310	540	340	540
410	560	290	500
460	580	340	570
580	500	410	640
500	420	600	510
480	470	610	630
570	420	550	460
550	570	500	610
630	480	400	580
550	550	390	570
290	540	370	410
450	470	450	350
520	510	320	400
470	470	300	230
440	590	380	230
430	640	460	300
470	520	410	270
530	670	470	320
490	600	480	530
450	650	380	370
510	330	510	480
420	630	540	430
540	510	530	150
330	550	400	250
320	410	460	320
300	540	520	300
400	460	450	450

400	380	680	420
490	490	640	460
340	430	570	460
560	580	640	350
440	620	550	430
370	600	650	490
550	530	450	340
460	840	440	300
470	620	440	440
400	620	530	410
550	590	600	380
450	650	320	370
390	530	390	300
370	740	470	490
420	660	460	640
390	780	540	710
360	760	590	610
550	1080	510	560
570	930	490	450
500	730	660	550
610	500	620	630
730	590	570	640
730	590	460	470
750	560	550	500
740	680	480	600
680	430	480	600
520	500	500	600
550	430	580	650
530	570	600	590
550	420	410	450
670	500	440	460
510	430	460	440
290	340	330	570
410	460	420	520
580	650	390	550
510	580	460	510
540	720	690	690
600	710	600	660
640	560	510	580
670	440	620	630
490	570	580	570
510	670	930	530
620	660	710	760
450	610	520	330
710	730	690	420
650	580	610	460
640	740	430	550
700	770	510	460
520	920	560	450
600	740	600	570
610	690	660	460
680	940	560	500
660	850	410	390
850	690	480	400
610	730	430	350
810	590	430	350
610	510	340	400
570	610	440	510
560	550	650	560
520	320	630	600
460	250	500	550
530	340	480	680
670	350	580	650
460	240	340	500
560	320	410	390
470	340	420	510
310	240	330	550
480	460	390	510