

## experiment 39

Potchefstroom Experiment Station.  
Uniformity Trial : 1929-30.

Soil: Red loam, virgin.

Block of land 300 x 100 yards. Divided into 5 ranges,  
A,B,C,D,E, - each 20 x 300 yards .

Unit of Harvesting: 1 Row of 20 yards, i.e 20 plants.

Crop : Maize, spaced 3' x 3', single plants per hill, checked-rowed, by  
machine.

Weights: Husked cobs in lbs. Shelling percentage approximately 80.



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EX09.xls

row A	row B	row C	row D	row E
8.3	7.9	9.3	9.2	6.9
7.3	8.4	9.8	11	8.9
6	6.9	8.5	10.7	9.9
6	9.3	7.5	8.7	7
7	8.3	7.7	7	8.7
6.3	7.4	6.9	9.2	8.2
6.8	6.8	7.9	8.8	8.6
5.8	7.7	8.5	10.8	3.8
6	7.4	8	8.6	9.8
5.9	8.3	8.1	10.4	7.8
7.4	7.1	8.3	8.7	11.4
6.2	7.7	9.2	11.5	7.9
7.1	9.1	8.4	11.4	10.7
6.4	7.8	8.6	11.5	7.6
8.5	7.1	8.7	10.5	10.7
8	9.3	8.5	11.5	8.2
6.4	8.1	11.5	9.8	7.8
7.5	8.5	11.7	8.3	9.1
6.5	7.5	7.5	9.5	10.4
7.3	10.1	10.5	10.6	9.3
7	10	10.4	11.3	10.1
7	8.4	7.3	11.3	9.3
7.4	6.5	7.9	12.4	11.9
7.2	6.6	10.3	10.4	10.3
6	8.5	10.2	10.8	9.4
6.4	9.9	9.5	11.9	7
6.9	9.6	12.7	11.5	8.3
7.1	11.8	12.1	10.9	11.1
8.9	9.5	12.2	12.5	9.1
7.5	11.8	10.2	11	8.5
7.8	10.2	9.9	12.4	9.3
7.4	10.3	12.3	14.8	12.1
7.9	9.7	13.1	14.2	9.9
6.3	11.3	14.1	10.9	8.4
7.2	10.5	11.9	11.9	7.4
7.4	10.4	11.2	13.3	7.2
6.5	11.5	11.4	10.9	9.7
7.3	9.1	12.8	10.8	10.1
7.2	10.4	12.7	9.9	10.5
8.6	12.2	10.1	13.3	13.3
8.2	9.9	12.5	13.3	9.6
7.7	10.8	12.2	13.1	12.5
8.9	10.4	9.9	14.2	12.6
9.1	9.9	11.2	12.7	9.3
8	11.9	10.6	13.4	10.4
9.1	13.2	12.5	11.9	9.2
9.1	13	11.5	13.9	10
7	10.6	9.7	14.1	10.4
9.7	13.7	9.1	13.4	12
7.9	12.7	12.6	15.2	10.4
7.3	10	9.2	12.7	12.7
7.7	10.4	10.6	13.9	10.7
9.2	9.6	9.4	12.2	12.1
8.9	10.6	12.8	14.4	12.7
9.7	13.1	10.5	12.6	12.1

8.7	10	11.3	12.7	10.7
9	10.3	9.3	15.9	9
8.3	13.3	12.1	14.8	13.7
9	10.6	9.9	14.3	11
7	10	11.4	11.7	14.1
9.3	12.2	9.1	11.7	14.2
10.3	12.4	10.5	12.8	13.8
9.9	12.4	11.9	9.6	11.8
9	10.7	12.5	13.9	11.3
7.9	10.7	12.3	12.5	11.7
7	10.9	9.5	11.3	10.7
8.5	12.1	10.5	12.4	13.3
8.3	14.3	11.9	11.7	13.9
7	11.6	9.8	12.2	10.9
9	10.2	9.5	11.2	11.8
6.9	9.2	9.9	11.3	11.5
9.9	9.9	14.3	12.7	14.1
6.9	9.1	8.8	15.2	13.7
8.3	10.5	9.2	13.5	13
9.1	9.4	12.6	13.7	14.3
8.3	9.2	11.1	10.5	11.9
10.5	8.6	10.9	10.6	10.1
8.7	11	10.5	11.5	11.7
8.4	12.5	11.3	12.4	11.1
10.3	12.4	10.7	12.9	14
8.4	10.2	13.5	11.9	9.8
7.7	12.5	11.1	10.5	13.9
10.8	12.2	13.3	12.9	9.2
8.5	10.9	14.7	11.6	10.7
9.6	10.4	11.7	10.2	12.1
6.4	11.6	13.2	12.7	11.4
10.9	10.3	15.5	14.8	10
8.8	10.2	12.1	12.4	11.9
10.6	12.4	14.1	12.4	14.5
8.1	12.3	12.2	13.9	13.9
7.6	12.2	11.7	11.9	10
7.1	10.4	9.7	10.6	10.3
6	13.5	11.1	14.1	10
9.9	11.9	10	13.4	9.9
11.1	9.2	15.3	14.3	12.4
7.3	10	14.9	13.1	13.8
9.6	11.1	15	11.3	11.2
8.2	12.9	15.3	15.1	11.5
9.9	9.7	13.1	12.4	10.2
7	11.3	14.9	11.9	12.3
9.2	11.9	15.7	13.2	13.7
10.3	13.4	14.3	15.4	11.1
8.1	12.3	11.5	13.3	10.5
9	12.1	10.3	12	13.9
8	11.1	12.5	9.5	12.5
9.6	11.6	15.5	11.1	13.3
10.4	11.4	16.5	10	11.1
8.7	13.5	17.4	11.7	11.5
8.5	16.1	13.8	12.9	12.1
10.9	11.8	12	11.5	12
9.4	9.5	13.2	12.3	14.7

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EXP39.xls

7.7	11.2	17.2	12.1	13.4
8	10.1	15.5	11.4	14.3
7.8	9	12	11	13.4
9.6	10.7	13.1	13.9	14.2
10.4	13.3	15	11.9	10.3
7.7	12.3	15.9	12.4	12.3
9.9	12	12.7	12.4	10.4
10.1	11.7	12.4	10.4	11.7
8.7	10.9	11.5	13.5	12.8
7.7	10.7	11.4	9.1	12.5
5.2	11.1	12.6	10.4	10.5
10.1	11.6	10.4	11.5	12.1
8.4	11.2	10.4	11.2	12.3
8.7	9.7	11.3	12.3	10.1
7.4	13.2	13	13.2	11.5
8.4	10.1	12.3	13.9	10.9
10	10.6	10.5	14.4	13.4
9.6	13.1	12.4	10.4	14.3
7.6	12.9	10.9	8.1	12.7
8.7	12.9	13	12.6	11.4
9.5	11.7	15.4	12.9	10.7
8.4	13.8	12.2	12.4	12.8
9.1	11.9	12.5	12.9	12.7
6.3	13.3	12.7	13.4	10.2
7.5	12.7	15.7	14.6	12
8.7	11.7	12.9	14.1	13.4
6.1	13	14.1	13.3	12.5
8.7	12.1	12.6	11.7	11.9
8.3	9.8	13.1	11.5	11.4
7.3	11.4	14.1	11.5	11.7
8.7	11.7	10.9	11.3	11.5
7.3	11.4	11	12.1	11.7
9.3	10.7	9.1	11.5	10.3
7.6	12	12.7	11.4	13.1
7.6	11.7	14.5	14.1	10.4
6.3	11.5	12.6	13.6	10.6
6.6	10.4	12.3	12.6	9.2
6.8	12.7	11.3	14.5	10.1
7	11.9	10.7	13.3	9.7
6.2	11.9	12.5	10.5	10.3
7.1	11.9	10	12.5	9.5
8	12	11.3	13	11.3
6.2	13.5	12.3	15.2	12.1
5.9	12.7	9.8	13.7	11.9
8.4	19.9	8.5	13.1	12.2
7.1	13.1	10.3	14.8	10.5
11.1	12.1	10.6	13.1	9.3
12.2	12.1	13.3	12.9	9.9
8.6	10	10	12.7	10.4
10.7	12	9.4	14.3	8.9
10.7	11.7	10.5	16.7	8.1
10	14.1	11.1	15.5	11.7
9.2	14.2	12.7	11.5	10.5
8.8	13.6	13.9	13.4	13
8.1	13.9	13.4	13.9	11.3
7.2	11.9	12.5	13.2	12.4

7.2	9.3	10.4	14.6	13.7
8	11.6	8.3	13.3	12.3
8.5	11.2	13.3	15.2	11.7
9.2	10	14.2	13.9	11.5
10.3	10.8	14.4	12.8	12.3
10.9	10.9	14.2	10.2	11.1
10.2	11.9	15.3	13.7	10.3
12.4	12.2	15.9	13.7	10.3
12.1	12.4	14.2	13	9.4
11.6	10.3	11.9	10.8	10.1
13.5	12.7	14.5	10.4	9.2
10	10.1	13.7	13.1	13.3
12.3	11.9	13.3	11.9	13.7
10.1	9.7	14	12.9	12.6
9.1	11.1	13.4	13.2	12.3
11.5	9.5	14.5	15.1	13.5
14.1	9.9	13.7	11.5	10.9
12.1	8.9	11.4	11.1	12.2
10.7	12.1	13.8	11.5	11.5
11.7	11.3	13.3	13.7	9.9
12.9	9.8	13.3	13.7	10.7
14.3	9.6	11.7	13.9	11
11.3	12.5	12.3	10.3	11.9
9.8	12.5	11	10.5	8
12.5	12.3	9.5	11.9	10.3
13.8	13	11.7	13.1	10.1
12.3	11.8	14.5	12.2	10.9
12.3	13.9	14.3	12.9	12.1
12.4	12.5	11.8	10.8	12.1
10.7	11.7	11.8	13.1	11.5
11	11.5	12.7	14.9	11.7
13.6	11.9	12.6	13.5	11.1
14.1	9.7	14.4	12.4	10.4
10.5	8.9	15.6	11.4	9.9
14.1	10.5	12.3	13.3	12.9
9.3	8.7	10.3	13.4	12.1
10.4	10.5	12.9	13.7	11.4
10.8	9.8	10.9	11.5	9.7
9.6	9.6	12.9	10.8	9.9
8.4	11.9	11.5	12.9	10.4
9.7	13	13.1	11.2	10.6
10.7	10.9	13.1	12.4	10.7
11.7	10.5	13	10.9	9.4
9.3	9.6	10.8	10.4	11.8
10.5	10.3	12.2	12.5	9.4
10.2	11.7	14.9	11.3	11.1
11.7	9.7	11.6	10.7	11.1
10.2	12	12.1	13.1	10.6
11	11	11.7	10.2	10.5
12.4	10.7	10.7	10.3	11.5
13.7	10.6	10.7	12.2	13.9
12.2	9.7	9.4	12.3	13.1
11.3	10.7	11.3	14.5	10.4
11.1	10.8	9	11.5	10.3
12.1	11.7	12.4	11.7	13.5
11.3	11.4	12.3	13.4	11.3

EXP39.XLS

11.1	8.8	12.6	13.4	9.9
11.6	8	13.1	10.5	11.2
12.4	10.6	11	13.1	10.4
13.5	10.1	10.3	10.9	12.1
13.4	11.1	13.8	11.3	11.6
13.5	14.5	12.3	11.8	12.9
10.6	11.5	11.1	11.5	11
12.2	11.1	12.8	10.9	11.4
12.1	7.6	11.4	10	12
11.9	9.1	13.9	12.2	10.1
10.5	11.2	11.8	12.4	11.2
8.4	8.4	11.2	12.4	12.5
11.4	11.2	10.2	12	10.2
13.4	10.8	12.3	12.8	11.9
14	14.2	7.7	12	10.9
12.9	10.3	12.6	10.7	10.5
10.7	9.8	10.3	12.3	13
10.5	10.4	10.8	10.4	11
9.8	11.7	11.5	12.2	11.4
12.4	11.4	11.4	14.1	12.1
11.5	10	9.1	12	10.9
11.3	11.6	11.3	12.1	12.1
12.3	10.9	10.4	11	9.9
10.1	12.7	11.4	10.8	9.9
12.3	10.4	13.9	13	11.6
12.1	11.3	12.8	11.1	10.6
11.4	13.7	13.4	14.1	11.7
10.4	9.4	13.2	11.3	11.2
9.3	10.3	14.7	13.8	10
11.1	11.9	12.9	10.8	10.3
11.1	10.5	15.1	13.7	12.2
9.9	11.3	12.1	11.7	10.8
11.3	11.3	11.7	12.5	11
9.3	10.8	10.5	11.1	12.2
7.3	10.9	12.2	11.5	11.5
7.9	9.4	10.9	12.6	13.7
8	9.9	10.3	11.1	12.1
8.3	12.5	11.7	9.9	12.8
7.5	12	12	12.7	13.1
8.7	12.4	11.8	11.5	12.3
11.3	13.4	11.5	11.6	11
11.9	12.5	10.9	13.2	10.8
12.8	13.7	11.7	12	9.3
8.5	13.3	15	11.7	12
10	11.7	13.7	13.1	11.1
8.6	12.7	15.9	12.2	9.7
8.9	12.5	12.9	10.7	9.5
8.9	13.5	15.7	11.8	10.3
7.5	12	12.8	12.4	9.2
8.5	13.4	11.7	11.8	10
12.3	15.4	10.4	9.2	12.3
9.1	12.4	12.1	12.3	10.9
10.9	11.8	10.7	12.6	9.1
10.7	13.1	12.8	12.8	9.4
12.2	13.9	9.3	11.7	11.3

12.4	13.3	10.5	12.1	9.8
13.1	13.2	10.9	11.9	14.1
11.9	11.9	12.3	12.3	12
10	12.6	11.7	11.2	11
11.7	11.5	12.2	11.5	7.6
14.4	12.9	12.4	10.9	11.7
12.3	13	14.4	10	11.1
12.1	14.3	15.1	9.9	8.7
10.7	12	13	11.4	9.4
11.5	12.7	9.8	11.1	10.1
9.6	12.3	9.7	10.6	9.7
11	13.7	9.5	9.6	11.9
11.4	13.9	12.3	10.4	10
11.6	12.2	14.2	9.3	9.5
12.2	11.7	12.7	10	9.4
12.1	13.5	10.3	9.9	9.1
12.3	12.9	9.2	9.9	9.8
11	13.6	11.5	10	9.1
9.1	14.2	12.1	9.1	8.9
9.2	12.6	12.5	11.5	9.2
12.1	11.7	13.4	12.9	9.9