

experiment 40

Potchefstroom Experiment Station.
Uniformity Trial : 1928-29

Crop: Maize, planted by hand 3' x 3', single plants per hill.

Soil: Grey clay-loam, previously cropped to variety trial.

Area: 40 x 250 yards divided into 4 ranges A,B,C,D – each 10 yards wide.

Unit of Harvesting: Single rows of 10 plants.

Weights: Husked cobs in lbs. Shelling percentage 80.

EXP 40 - XLS P2

| row A | row B | row C | row D |
|-------|-------|-------|-------|
| 7.4 | 6.1 | 6.1 | 7 |
| 6.6 | 6.2 | 5.2 | 6 |
| 8 | 7.6 | 7.4 | 5.5 |
| 7.2 | 6.8 | 4.6 | 6.8 |
| 6.6 | 4.8 | 6.8 | 5.9 |
| 5.2 | 5.3 | 5.7 | 7.1 |
| 6 | 5.8 | 6.4 | 5.1 |
| 7.2 | 6.2 | 8.1 | 6.4 |
| 7 | 5.2 | 6.1 | 5.9 |
| 6 | 6.3 | 6.7 | 5.9 |
| 7.7 | 4.9 | 6.8 | 6 |
| 7.6 | 6.1 | 6.6 | 8.1 |
| 6.8 | 7 | 6.9 | 7.2 |
| 5.9 | 7.2 | 5.5 | 7.1 |
| 6.5 | 5.6 | 5.9 | 6.1 |
| 6.8 | 5.9 | 5.9 | 5.7 |
| 6.6 | 6.5 | 6.7 | 6.5 |
| 5.6 | 4.9 | 5.9 | 5.3 |
| 7 | 6 | 5.4 | 6.2 |
| 6.6 | 6.4 | 5.6 | 5.7 |
| 6.1 | 5.8 | 6.9 | 5.5 |
| 5.3 | 5 | 5.1 | 7.2 |
| 7.5 | 5.9 | 4.8 | 6.1 |
| 6.6 | 5.9 | 5.5 | 6.5 |
| 7.4 | 8 | 6.9 | 6.7 |
| 6.5 | 7.9 | 6.1 | 5.9 |
| 6.8 | 6 | 7.5 | 5.9 |
| 7 | 7.5 | 5.9 | 5 |
| 5.8 | 6.8 | 5.6 | 6.4 |
| 7.1 | 7.4 | 5.9 | 6 |
| 5.7 | 7.1 | 6.1 | 6.4 |
| 6.3 | 6.3 | 7.2 | 6.9 |
| 6.5 | 7.3 | 5.5 | 5.8 |
| 7.2 | 5.7 | 6.5 | 6.7 |
| 7.5 | 6.6 | 5.9 | 5.2 |
| 5.6 | 7.2 | 7.3 | 6.7 |
| 7.2 | 7.2 | 6.6 | 6.8 |
| 7.5 | 5.9 | 6.2 | 6.2 |
| 6.2 | 7.2 | 5.4 | 5.6 |
| 7.5 | 6.5 | 6.9 | 6.4 |
| | | | |
| | | | |
| | | | |
| 6.7 | 7.6 | 6.8 | 6.3 |
| 7.3 | 6.8 | 7.9 | 6.9 |
| 7.6 | 7.9 | 7.3 | 6.5 |
| 7.2 | 8 | 7.4 | 7.5 |
| 6.6 | 6.6 | 7.8 | 5.9 |
| 7.1 | 6.3 | 6.1 | 7.6 |
| 5.6 | 6.2 | 8 | 7.9 |
| 7.6 | 7.6 | 6.8 | 7.5 |
| 7 | 6.2 | 7.9 | 7.5 |
| 7.4 | 8.1 | 6 | 7.6 |
| 7.5 | 7.7 | 7.3 | 7.2 |
| 7.9 | 6.7 | 7 | 7.6 |
| 5.9 | 7.1 | 6.4 | 6.4 |
| 8.2 | 5.9 | 7.9 | 7.5 |
| 6.5 | 6.8 | 7.1 | 5.7 |
| 8.1 | 6.9 | 5.5 | 7.6 |
| 7 | 6.4 | 6.2 | 6.2 |
| 6.6 | 7.6 | 7.2 | 6.9 |
| 7.3 | 7.5 | 8 | 7.6 |
| 7.8 | 6 | 7.6 | 7.8 |
| 8.1 | 8.2 | 7.1 | 8 |

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| 7.9 | 8 | 7.5 | 7.4 |
| 6.9 | 7.7 | 8.3 | 5.9 |
| 7.5 | 7.6 | 8 | 7.5 |
| 6.9 | 6.7 | 6 | 5.3 |
| 7.5 | 6.8 | 7.5 | 8.1 |
| 7.4 | 7.4 | 7.1 | 6.3 |
| 7.4 | 6.9 | 5.9 | 6.4 |
| 7.7 | 7.5 | 7.2 | 7 |
| 7.2 | 6.6 | 8.5 | 8 |
| 8 | 7.8 | 6.3 | 6 |
| 7.3 | 7.1 | 5.6 | 6 |
| 7.2 | 7 | 7 | 6.4 |
| 6.9 | 6.8 | 7.9 | 6.5 |
| 6.7 | 6.7 | 6.5 | 5.5 |
| 7.4 | 7 | 5.8 | 4.8 |
| 8.1 | 6.5 | 6 | 6.2 |
| 5.4 | 5.4 | 7.2 | 5.9 |
| 7.2 | 6.2 | 5.8 | 6 |
| 5.9 | 5.9 | 6.6 | 7.2 |
| 7.5 | 8 | 6.2 | 6.4 |
| 5 | 5.8 | 6 | 6 |
| 6.4 | 6.3 | 6.1 | 6.2 |
| 6.8 | 7.3 | 5.6 | 6.4 |
| 6.8 | 6.6 | 5.9 | 7.5 |
| 6.8 | 6.8 | 6 | 5.6 |
| 7.1 | 5.7 | 5.4 | 5.8 |
| 7.2 | 7.6 | 6.6 | 6 |
| 7.7 | 7.9 | 6.6 | 7 |
| 6 | 8 | 5.6 | 6.4 |
| 6.7 | 6.7 | 5 | 5 |
| 5.8 | 6.4 | 5.4 | 5 |
| 6.2 | 6 | 6.2 | 6.4 |
| 6 | 6.4 | 6.8 | 5.2 |
| 4.8 | 5.6 | 6.2 | 6.4 |
| 7.3 | 5.1 | 6.4 | 5.6 |
| 6.4 | 6.2 | 6.2 | 4.8 |
| 6 | 7 | 6.8 | 4.8 |
| 4.8 | 6.2 | 6.9 | 5.1 |
| 7.1 | 6.7 | 6.2 | 6.8 |
| 5.9 | 5.1 | 5.6 | 6.2 |
| 6.5 | 7.1 | 5.9 | 5.7 |
| 6.5 | 6.1 | 7.3 | 6.4 |
| 6 | 5.7 | 5.9 | 6.3 |
| 6 | 6.5 | 6.5 | 6.6 |
| 5.9 | 6.3 | 6.8 | 7 |
| 7.3 | 7.1 | 5.8 | 6.9 |
| 6.5 | 6.9 | 6.5 | 7.1 |
| 6.8 | 6 | 6.4 | 5 |
| 7.1 | 7.2 | 6 | 6.1 |
| 7.1 | 7.2 | 6.1 | 5.8 |
| 7.5 | 7.7 | 6.6 | 7 |
| 7.6 | 7.4 | 6.4 | 6.6 |
| 7.1 | 7.5 | 6.8 | 7.2 |
| 6.9 | 7.1 | 6 | 6 |
| 6.5 | 8 | 6.5 | 6.2 |
| 7.6 | 6.6 | 7.2 | 7.6 |
| 6.3 | 7.5 | 6 | 6.5 |
| 5.8 | 6.2 | 6.6 | 5.6 |
| 7 | 7.6 | 5.4 | 6.4 |
| 6.8 | 7.2 | 5.4 | 6.8 |
| 5.7 | 6.3 | 6.7 | 7 |
| 6.6 | 7.8 | 7.2 | 6 |
| 8 | 7.5 | 6.2 | 6 |
| 6.6 | 7 | 6.5 | 5.9 |
| 5.8 | 6.2 | 6.5 | 6.5 |

EXP40.XLS P3

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|-----|-----|-----|-----|
| 6 | 7.4 | 6 | 6.6 |
| 6.9 | 7 | 7.2 | 8.1 |
| 5.7 | 7.1 | 7.5 | 6.7 |
| 6.2 | 6.2 | 5.7 | 6.1 |
| 6 | 6 | 5.4 | 5.4 |
| 6.6 | 6.8 | 6.9 | 7.9 |
| 5.9 | 6.3 | 6.5 | 8.1 |
| 8 | 6.7 | 8.2 | 7.8 |
| 7.2 | 7 | 6.4 | 6.2 |
| 6.5 | 7.5 | 6.4 | 7.2 |
| 5.5 | 6.9 | 5.6 | 6.8 |
| 6.6 | 5.7 | 6.5 | 6.1 |
| 7.7 | 5.7 | 6 | 7 |
| 5.8 | 6 | 5.2 | 6.2 |
| 5.6 | 5 | 5.8 | 7.4 |
| 6.5 | 5 | 6.1 | 5.6 |
| 6.1 | 6.1 | 7.1 | 7.1 |
| 6 | 7.3 | 7 | 7.9 |
| 6.4 | 5.2 | 6.8 | 6.6 |
| 5.5 | 5.1 | 6.5 | 6.1 |
| 6.6 | 6.3 | 6.1 | 6 |
| 6 | 6 | 6.4 | 6.4 |
| 4.8 | 5 | 5.9 | 6.7 |
| 5.8 | 5.7 | 6 | 5.9 |
| 6.2 | 5 | 5.8 | 6.2 |
| 6 | 6.5 | 6.5 | 6.7 |
| 5.5 | 6 | 6.2 | 6.3 |
| 5.2 | 6 | 5 | 5.4 |
| 5.7 | 5.8 | 6.3 | 6.5 |
| 6.2 | 6.5 | 6.1 | 6.9 |
| 6 | 7 | 6.7 | 6.3 |
| 6.2 | 5.1 | 5.9 | 6.5 |
| 5 | 5 | 5.5 | 5.5 |
| 4.9 | 5.1 | 5 | 5.2 |
| 6.1 | 5.1 | 5.2 | 6.2 |
| 6 | 4.8 | 4.7 | 5 |
| 6.1 | 5.7 | 5.8 | 5.6 |
| 6.5 | 5.1 | 5.2 | 5.6 |
| 5.7 | 6.1 | 5.2 | 5.1 |
| 6 | 5 | 6 | 5.6 |
| 5.8 | 6.8 | 6.6 | 6.5 |
| 7 | 6 | 6.4 | 5.7 |
| 7.2 | 6.2 | 6.2 | 5.6 |
| 5.2 | 5.4 | 5.8 | 5.5 |
| 5 | 5.8 | 5 | 5 |
| 5.8 | 5.8 | 5.8 | 6 |
| 5.9 | 5.9 | 6 | 6 |
| 5 | 5.1 | 4.9 | 5.5 |
| 6 | 5.4 | 5.3 | 5.7 |
| 6.1 | 6.3 | 5.8 | 5.8 |
| 5.9 | 5.5 | 4.8 | 5 |
| 5.4 | 5.9 | 6 | 5.3 |
| 5.9 | 6.1 | 6.2 | 7.2 |
| 5.3 | 6.4 | 6.3 | 6.4 |
| 7.2 | 6 | 5.3 | 5.7 |
| 5.7 | 6.2 | 5.5 | 7.3 |
| 6.7 | 5.3 | 5.4 | 6.6 |
| 7.5 | 7.3 | 7.6 | 7.2 |
| 7.5 | 7.3 | 6.3 | 7.1 |
| 6.7 | 7.1 | 6.4 | 5.7 |
| 5.9 | 6.3 | 5.5 | 7.5 |
| 7.1 | 7.7 | 6.1 | 6.7 |
| 8 | 6.1 | 7.5 | 7.9 |
| 6.8 | 7.6 | 6.9 | 7.9 |
| 7.5 | 6.9 | 6.5 | 6.5 |

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|-----|-----|-----|-----|
| 7.3 | 7.9 | 6.9 | 7.3 |
| 7.2 | 6.9 | 6.7 | 8.1 |
| 7.5 | 6.7 | 5.9 | 7.1 |
| 7.4 | 7.2 | 6 | 7.2 |
| 7.8 | 8 | 8.1 | 8.2 |
| 7.9 | 8.1 | 7.9 | 8.2 |
| 6.9 | 7.1 | 7.5 | 6.5 |
| 5.5 | 6.7 | 5.2 | 7.1 |
| 6.5 | 5.6 | 7.6 | 7.9 |
| 6.9 | 6.8 | 7 | 6 |
| 6.5 | 7.4 | 7.1 | 7.2 |
| 6.8 | 6.5 | 7 | 7.1 |
| 8.3 | 7.3 | 7.5 | 7.1 |
| 7.7 | 6.2 | 7.6 | 6.3 |
| 7.1 | 6.3 | 7.4 | 5.7 |
| 7.5 | 7.7 | 7.1 | 6.9 |
| 6 | 6.3 | 7.5 | 7 |
| 7.5 | 7.2 | 6.6 | 7.9 |
| 7.8 | 7.2 | 7.4 | 6.8 |
| 7.6 | 7.6 | 7.5 | 6.9 |
| 7 | 6.8 | 7 | 5.8 |
| 7.9 | 7.8 | 7.3 | 8 |
| 8 | 8 | 6.1 | 7.1 |
| 6.2 | 6.8 | 6 | 6.8 |
| 7.3 | 7.3 | 8 | 8 |
| 5.8 | 6 | 7.3 | 7.9 |
| 7.1 | 7.6 | 7.3 | 5.1 |
| 6.8 | 6.8 | 7 | 7.3 |
| 6.6 | 6.9 | 5.3 | 8 |
| 5.7 | 6.4 | 6.8 | 7.3 |
| 7.5 | 7.7 | 7 | 5.6 |
| 8.5 | 6.9 | 6.8 | 8.4 |
| 7.5 | 6.7 | 7 | 7.1 |
| 6.9 | 6.3 | 6.7 | 7.5 |
| 7.2 | 7 | 7.2 | 6.7 |
| 7.6 | 7.4 | 7.4 | 7.2 |
| 8 | 7.4 | 7.3 | 7.5 |
| 7.5 | 7.7 | 6.8 | 6.6 |
| 7.4 | 7.7 | 7.5 | 7 |
| 7.7 | 5.8 | 7.4 | 7.1 |
| 7.6 | 6.4 | 7 | 6 |
| 8.5 | 7 | 7.9 | 6.9 |
| 8.3 | 8 | 7.3 | 7.7 |
| 7.2 | 7 | 7.5 | 7.3 |
| 7.8 | 8 | 7.6 | 6.6 |
| 8 | 7.3 | 6.5 | 6.5 |
| 6 | 6.4 | 5.8 | 6.4 |
| 7.5 | 6 | 6.1 | 7.1 |
| 7.5 | 7.6 | 6.6 | 6.9 |
| 8.3 | 5.9 | 7 | 6.2 |
| 8 | 6.6 | 5.8 | 6.6 |
| 7.8 | 7 | 7.2 | 8 |
| 6.9 | 6 | 6.3 | 5.6 |
| 7.5 | 8 | 7.5 | 7.3 |
| 6.6 | 5.6 | 6.2 | 5.4 |
| 6.9 | 6.1 | 8.3 | 7.9 |