

## Effect Of Row Spacing On Growth And Yield Of Sesame

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### Effect Of Row Spacing On

However, the effects of row spacing on yield are not so straight forward. Generally, yields were maximized at narrower row spacings (6-inches to 18-inches) and lower at the widest row spacing (36 inches) for both Shawnee and Liberty switchgrass.

### Effect of Row Spacing on Switchgrass Yield and Nutritive ...

All 3 varieties tested in 2012 had greater average yield in 7.5-inch row width than 15-inch row width. Yield response to row width in 2012 was similar to results observed in 2010. 2011 was an unusual year in which 15-inch row width had greater yields than 7.5-inch row width. 25R40 had the highest yield across both row widths.

### Row Spacing Effect on Yield of Wheat Varieties | Pioneer Seeds

No significant effects of row spacing and plant density were detected. The yields for 0 and 40 kg N ha<sup>-1</sup> rates were similar, while applying 20 kg N ha<sup>-1</sup> reduced, on average, soybean yield by 14.5%. The planting densities, row spacing, and N rates did not affect wheat yield, or oil and protein content in soybean seeds.

### Effect of Nitrogen, Row Spacing, and Plant Density on ...

Effect of Row Spacing, Sowing Density, and Harvest Time on Floret Yield and Yield Components of Two Safflower Cultivars Grown in Southwestern Germany · by Kathrin Steberl \*, Jens Hartung, Sebastian Munz and Simone Graeff-Hönninger. Institute of Crop Science, University of Hohenheim, 70599 Stuttgart, Germany \*

### Agronomy | Free Full-Text | Effect of Row Spacing, Sowing ...

The interaction effect of variety and inter row spacing were highly significant on number of primary branches, on crop stand count percentage at harvest, grain yield and harvest index, number of pods per plant, grain yield

### Effect of Inter Row Spacing on Yield Components and Yield ...

The results showed that using of different row spacing had no significant effect on, parameters that have been taken except the plant height; however plant height, number of tiller per plant, spikelet. per spike, grains per spike, biological yield, grain yield and straw were significantly affected by different seed.

### Effects of Seed Rate and Row Spacing on Yield and Yield ...

The effect of row spacing showed that the highest biological yield of 14.13 t ha<sup>-1</sup> was obtained from cross sowing of 30 x 30 cm 2 apart while lowest 7.88 t ha<sup>-1</sup> was obtained from 45 cm apart rows. The results obtained agree with Nazir et al. (1987) who reported that cross sowing increased biological yield. Grain yield (t ha<sup>-1</sup>)

### Effect of Row Spacing on the Grain Yield and the Yield ...

The effects of seed rate and row spacing on yield and yield components of tef ( Eragrostis tef) were studied on the Nitisols of Assosa, Benishangul-Gumuz Regional State. Three levels of seed rate (5, 10 and 15 kg ha<sup>-1</sup>) factorially combined with three rows spaces (15, 20, 25 cm) and an additional plot of broadcast of tef seed at 25 kg ha<sup>-1</sup> as a standard check making a total of 10 treatments.

### Influence of Seed Rate and Row Spacing on Growth and Yield ...

In most cases, there is no difference between 7.5, 10, 15, or 20 inch row spacing and anything less than 30 inch is therefore consider narrow row spacing. Most of these studies have concluded that planting soybean in narrow rows will increase yields with the largest increases in yield occurring in the northern Corn Belt.

### Row Spacing Is Important to Maximize Your Yield ...

In conclusion, narrow-row spacing can give your fields a yield advantage due to rapid canopy closure resulting in better light utilization. Other potential benefits include less moisture loss, better weed control, and reduced erosion.

### Consider 15-inch Row Spacing in Soybean | Integrated Crop ...

Significant effect of seed rate and row spacing on different parameters was recorded. Row spacing at 45cm produced the highest number of cobs/m<sup>2</sup>, number of cobs/plant and 1000 grain weight. In each row spacing increase in seed rate resulted in increase in plant height. Increase in the seed rate and row spacing resulted in decreased stem diameter.

### Effect of seed rate and row spacing on grain yield of ...

Harvest moisture content of corn grown in 38-cm row spacings was significantly less than that of corn grown in 76-cm row spacings (160 vs. 161 g kg<sup>-1</sup>, respectively). Averaged across years and locations, there was no statistically significant (P < 0.05) yield difference between the two row spacings for four of the six hybrids tested.

### Row Spacing, Plant Density, and Hybrid Effects on Corn ...

field experiment was conducted at Addis Ababa university, selale campus horticulture department demonstration farm to assess the effect of plant density (intra-row spacing) on growth (days to maturity, plant height, leaf length and leaf number) and

### (PDF) Effect of Intra-Row Spacing on Growth and Yield ...

Effect of Row Spacing on Corn Yield Potential Potential yield increases due to narrow rows have been more consistent in northern regions. Variability in yield potential from narrow row spacing can occur from year-to-year. Corn product selection and population are important to consider with respect to row configuration.

### Effect of Row Spacing on Corn Yield Potential

The combined main effect of inter- and intra-row spacing was highly significant (P < 0.01), while their interaction had no significant effect on plant height (Table 1). The maximum plant height (79.83 cm) was recorded at inter-row spacing of 20, 30 and 40 cm (Table 2).

### Effect of Inter- and Intra-row spacing on yield and yield ...

et al.(2001) concluded that narrow row spacing of 30 cm produced significantly maximum yield than that of wider row spacing of 70 cm. But Barary et al.(2002) observed the effect of row and plant spacing on seed yield was non-significant. Seed rate of 40-50 and 75-100 kg ha<sup>-1</sup>

### Determination of optimum row spacing and seed rate for ...

Based on results from this study, row spacing only affected legume establishment and persistence in the upland ecotype, Shawnee. When an upland ecotype is best suited to the site, using a row spacing greater than 24 inches will increase the probability of success for establishing and maintaining legumes in the stand.

### Effect of Switchgrass Row Spacing on Inter-Seeded Legume ...

The effect of interaction between intra-row spacing and pruning on mean fruit weight (Fig. 1) showed that at all intra-row spacing, mean fruit weight in pruned plants was significantly higher than unpruned plants. The highest (61.92 g) mean fruit weight was obtained in two-stem pruned plants that were spaced at 60 cm.