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Herbicide Isn't The Only Way: Soybean Weed Control \u0026 Row Spacing**The Effects Of Row Spacing**

the main effects of variety and row spacing. The interaction effect of those factors also significantly ( $P < 0.05$ ) influenced days to 50% panicle emergence. Days to 50 % panicle emergence was significantly increased with the increase in row spacing. Days to 50 % panicle emergence ranged from 52.8 to 67.1 days at narrow (15 cm) row

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

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<sup>2</sup> 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 ...**

For example, the effect of row-spacing (RS)

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and irrigation on soybean seed protein, oil, and fatty acids was studied and found that row-spacing and irrigation significantly affected protein and oil contents, and that RS of 70 cm resulted in the highest protein content, followed by RS of 60, 40, and 50 cm . They also found that RS had a significant ( $P < 0.01$ ) influence on oleic and linoleic ...

### **Effects of Row-Type, Row-Spacing, Seeding Rate, Soil-Type ...**

The extinction coefficient showed a linear decrease as row spacing increased. For each

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crop, the effect of row spacing on  $k$  was described by one linear regression for most data. Stage of crop development and stage of development  $\times$  row spacing interaction did not significantly affect  $k$  during the period of measurements. The effect of time of day was significant for all four crops, and the time of day  $\times$  row spacing interaction was significant for soybean and sunflower.

### **Row Spacing Effects on Light Extinction Coefficients of ...**

The effects of row spacing (10, 20, 30 cm), sowing rate (54, 108, 161 kg/ha for barley;



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67, 134, 202 kg/ha for spring wheat) and seed-placed phosphorus (0, 8, 16 kg/ha) on root diseases in spring wheat and barley were studied using a zero-tillage production system at Indian Head, Saskatchewan (heavy clay) and Rapid City, Manitoba (clay loam) in 1993 and 1994.

### **Effects of row spacing, seeding rate and seed-placed ...**

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).

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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 ...**

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.

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

There was no significant effect of row spacing on grain yield (Fig. 9). In both hybrids grain yield increased more or less linearly with plant population until about 120,000 plants/ha. Yield of both hybrids increased by ea 40% as population increased from 70,000 to 100,000 plants/ha ( $r^2=0.76$ ).

## **Effect of row spacing and plant population on maize yield ...**

Table 5. The effect of row distances and

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plant spaces on protein and oil content (%) in double crop peanut production in 2013, 2014 and two years average in Adana - "THE EFFECTS OF ROW SPACING AND PLANT DENSITY ON YIELD AND YIELD COMPONENTS OF PEANUT GROWN AS A DOUBLE CROP IN MEDITERRANEAN ENVIRONMENT IN TURKEY"

### **Table 5 from THE EFFECTS OF ROW SPACING AND PLANT DENSITY ...**

BL-2800), three row spacings (15, 20 and 25 cm) and two row directions of sowing (east-west and north-south). The effects of variety and row di- rection of sowing on grain yield

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were significant ( $p < 0.05$ ), but the grain yield was not affected by the row spacing treatment. BL-2800 variety produced higher grain yield ( $3.53 \text{ t}\cdot\text{ha}^{-1}$ ) as com-

### **Effect of row spacing and direction of sowing on yield and ...**

Results of the analysis revealed that the interaction effects of N rates and intra-row spacing showed highly significant ( $P < 0.05$ ) where as the shortest was recorded from 7.5 cm intra-row spacing ...

### **(PDF) Effect of Intra-row spacing on Growth**

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The productivity of common bean is low due to use of inappropriate inter and intra row spacing for varieties with different seed sizes and growth habits in the study area.

### **Effect of Plant Spacing on Yield and Yield Related Traits ...**

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

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affect wheat yield, or oil and protein content in soybean seeds.

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

Linear mixed model analyses were performed to evaluate the effects of N, row spacing, and fungicide timing on leaf rust, Fusarium head blight (FHB), and deoxynivalenol (DON), and to quantify ...

### **Effects of Row Spacing and Nitrogen Rate on Wheat Grain ...**

The Effects Of Row Spacing And Seeding Rates

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On Corn Yield Potential - Iowa. Trial Objective. This trial was designed to provide farmers in southern Iowa helpful row width comparisons (20- and 30-inch row width systems) on later maturity corn products in Iowa and to help determine the yield response of higher seeding rates within each row width system.

### **The Effects Of Row Spacing And Seeding Rates On Corn Yield ...**

The interaction effect intra row spacing and year had a significant ( $p < 0.05$ ) effect on number of ears per plant. The highest number



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of ears per plant (1.85) was produced where plants were sown at a widest intra row spacing (35 cm) in 2016 cropping season, while the lowest number of ears per plant (1.44) was produced in the same intra row spacing in 2015 cropping season ( Table 5 ).

### **Effect of Inter and Intra Row Spacing on Growth, Yield ...**

In Exp. 1, row spacing did not affect seedling density, but switchgrass at the widest row spacing (88.9 cm) produced the least dry matter (DM) yield during the establishment year. However, row spacing had

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no effect on DM yield after the establishment year. In Exp. 2, increasing seeding rate increased seedling density but had no effect on DM yield.

### **Effects of Row Spacing, Seeding Rate, and Planting Date on ...**

The row spacing was arranged 70 and 75 cm, and intra-row spacing of 5,10,15,20 and 25 cm was arranged for different plants population. According to a two-year average, the highest pods weight (97.57g plant<sup>-1</sup> and 94.83 g plant<sup>-1</sup>) and pod number (96.4 pods plant<sup>-1</sup> and 93.5 pods plant<sup>-1</sup>) per plant was obtained

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from 70 x 25 cm and 75 x 25 cm planting density, respectively.

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