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Row Spacing is important to maximize your yield ... the row is too narrow, inter-row crop competition results in poorer yields, difficulties in disease and insect control, and greater likelihood of lodging. Thus, the objectives of this study were: To evaluate the effect of seed rate and row spacing on yield and yield components of bread

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wheat.

Effect of inter- and intra-row spacing on yield and yield ...
The effect of seed rate 20, 25, 30, 35 and 40kg/ha and row spacing 30, 45, and 60cm on agronomic characteristics of plants including plants/m², plant height, stem diameter, number of cobs/m², cob/plant, number of grains/cob, 1000 grain weight and grain yield was conducted using the cultivar "Sargodha 2002" for two years from 2015-16 to 2016-2017.

Effect of Inter and Intra Row Spacing on Growth, Yield ...
afield experiment was conducted at Addis Ababa university, selale campus horticulture department

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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

Effect of Seed Rate and Row Spacing on Yield and Yield

...

Information to determine optimum row spacing and seeding rates for soft red winter wheat (*Triticum aestivum* L. em Thell.) in high-yielding environments in the mid-Atlantic Coastal Plain region is not available. Three field experiments were conducted in the Coastal Plain of Virginia (on Typic Hapludult and Aquic Quartzipsamments soils) to evaluate row spacing and seeding rate influences on ...

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(PDF) Effect of Intra-Row Spacing on Growth and Yield ... maximum reductions in weed density (9 %) and dry weight (34%) were recorded in 55 cm row spacing as compared with 75 cm row spacing [12]. However, the effect of row spacing on maize grain yield was non significant in both years while the silage yield , ear yield ,leaf yield , plant dry weight and dry ear weight, were affected by nitrogen and showed

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

The effect of row spacing on seed and hay yields of 11 perennial grass species, including crested wheatgrass

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(*Agropyron cristatum* L.), intermediate wheatgrass (*A.intermedium* (Host.) Beauv.), a northern biotype of bromegrass (*Bromus inermis* Leyss.), a southern biotype of bromegrass, Russian wildrye (*Elymus junceus* Fisch.), meadow fescue (*Festuca pratensis* Hudson), creeping red fescue (F.

Effect of seed rate and row spacing on grain yield of ... Aboveground dry biomass yield and grain yield were influenced by interaction effect of inter row spacing, intra row spacing and year. The highest aboveground dry biomass yield (31.36 t·ha⁻¹) and harvest index (47%) were obtained for varieties BH-661 and BH-QPY-545 in 2016 and 2015, respectively.

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Effect of Row Spacing on the Grain Yield and the Yield ...
Therefore, a field experiment was conducted to investigate the effects of seed rate and row spacing on grain yield and yield components of upland rice. Factorial combinations of four seed rates (60, 80, 100 and 120 kg ha⁻¹) and three levels of row spacing (20, 25 and 30 cm) were laid out in RCBD with three replications using NERICA- 4 rice variety.

EFFECTS OF ROW SPACING, NITROGEN AND POTASSIUM FERTILIZER ...

The data were collected from middle rows of a net plot area where the two outer most rows of each treatment

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were left as border effects. In addition, 0.05, 0.075, 0.1 and 0.12 m length in both ends for 5, 7.5, 10 and 12 cm intra row spacing, respectively, of each harvestable row were also left as border effects. Statistical analysis

Row Spacing Effect on Yield of Wheat Varieties | Pioneer Seeds

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

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

Regarding the effect of intra-row spacing, the aboveground dry biomass increased with a decrease in intra-row spacing where the highest aboveground dry biomass yield (4009.92 kg ha⁻¹) was recorded at narrow intra-row spacing of 5 cm, which had a significant difference with 10 cm, while the lowest aboveground dry biomass yield (3296.67 kg ha⁻¹) was recorded at wider intra-row spacing of ...

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

Effect of Row Spacing, Sowing Density, and Harvest

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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 *

EFFECT OF ROW SPACING ON SEED AND HAY PRODUCTION OF ELEVEN ...

An experiment was conducted to determine the effect of different row spacing on grain yield and yield components of wheat variety Inqilab 91 at the agronomic research area, Faculty of Agriculture, Gomal University, D.I. Khan. The results revealed that different row spacing significantly affected plant population m⁻², number of

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spikes m⁻², 1000 grain weight, biological yield and grain yield.

Row Spacing Effects on Light Extinction Coefficients of

...

With that in mind, row spacing effects on weed control put more pressure on herbicides and may be of much greater importance when dealing with hard to kill or herbicide-resistant weeds. Flax field trials were conducted at Indian Head from 2014 to 2016, with treatments including a combination of five row-spacings (10 to 24 inches) and two fungicide levels (treated versus untreated).

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Studying row spacing effects - Top Crop Manager
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.

Effect Of Row Spacing On

The extinction coefficient showed a linear decrease as row spacing increased. For each crop, the effect of row spacing on k was described by one linear regression for

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most data. Stage of crop development and stage of development \times row spacing interaction did not significantly affect k during the period of measurements

Row Spacing and Seeding Rate Effects on Yield and Yield ...

The move toward narrow row spacing is therefore increasing in popularity in Iowa. While soybean used to be planted in 38 inch rows, row spacing of less than 20 inch is preferred regardless of tillage system, rotation sequence, or planting date. In most cases, there is no difference between 7.5, 10, 15, or 20 inch row spacing and anything less ...

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Effect of inter and intra row spacing on the yield and ...
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⁻¹) factorially combined with three rows spaces (15, 20, 25 cm) and an additional plot of broadcast of tef seed at 25 kg ha⁻¹ as a standard check making a total of 10 treatments.

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