

ALPINE IN-FURROW AND FOLIAR PRODUCT TRIAL RESULTS - 2020

Alpine In-Furrow Product Trial

Overview: Four different in-furrow Alpine fertilizers were used on CS 2000 RR canola plots and the yields analyzed. In-furrow applications coincided with seeding, treatments included: G22 - 20L/ac, F18 Max - 0.5L/ac, K20-S - 4L/ac, K24 - 4L/ac, and urea in furrow - 32.61 lb/ac.

Conclusion: F18 Max in-furrow fertilizer utilization led to the greatest canola yield relative to the other products used in the trial (P=0.002). For said treatment, yield was 4.7 bu/acre. Untreated, K20-S, and G22 treatments led to similar yields, all between 2.4-3.3 bu/acre. The lowest yielding canola was that subject to K24 fertilizer, producing 2.1 bu/acre.

Seeding Date: May 19

Seeding Depth: 0.75 in.

Seeding Rate: 10 plants/sq. ft.

Harvest Date: Oct. 07

Applications:

May 19: 46-0-0-0 - 150 lb/ac

May 20: Glyphosate - 0.66 L/ac

Heat - 0.035L/ac

Merge - 0.2 L/ac

June 5: Eclipse A - 0.118 L/ac

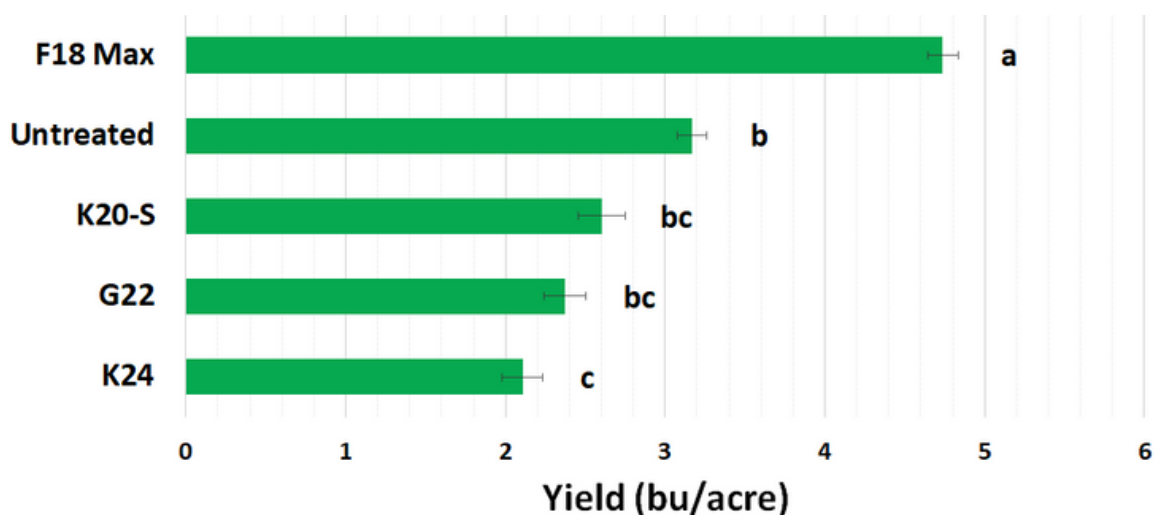
Eclipse B - 0.383 L/ac

July 14: G22 - 3 L/ac

F18 - 0.5 L/ac

Microbolt (B) - 0.25 L/ac

Microbolt (Mo) - 14 g/ac



coefficient of variation = 6.0; least square means differences were significant at 0.05

Alpine In-Furrow Product	Description
F18 Max	A balanced blend of macro and micro nutrients with organic acids.
K20-S	Foliar nutrition featuring K-Tech™ (potassium acetate technology) and Sulphur.
G22	A complete in-furrow starter product to promote early root development.
K24	A highly plant available potassium source with good tank mixability.

ALPINE IN-FURROW AND FOLIAR PRODUCT TRIAL RESULTS - 2020

Alpine Foliar Product Trial

Overview: Five foliar Alpine fertilizers were applied to CS 2000 RR canola plots and the yields measured. Foliar applications were carried out on June 5. Fertilizer treatments in this experiment were: F18 Max - 2L/ac, 6-20-3-1S - 20L/ac, 6-20-3 - 20L/ac, 7-21-3-1S - 20L/ac., and Microbolt (Mo) - 18 g/ac.

Conclusion: There were no significant differences in canola yield regardless of the foliar-applied fertilizer used (P=0.16). The yield values ranged from 1.25 bu/acre to 5 bu/acre. The coefficient of variation is 60.5, indicating that values contributing to the means were highly dispersed, likely due to weather-induced stress.

Seeding Date: May 19

Seeding Depth: 0.75 in.

Seeding Rate: 10 plants/sq. ft.

Harvest Date: Oct. 07

Applications:

May 19: 46-0-0-0 - 150 lb/ac

May 20: Glyphosate - 0.66 L/ac

Heat - 0.035 L/ac

Merge - 0.2 L/ac

June 5: Eclipse A - 0.118 L/ac

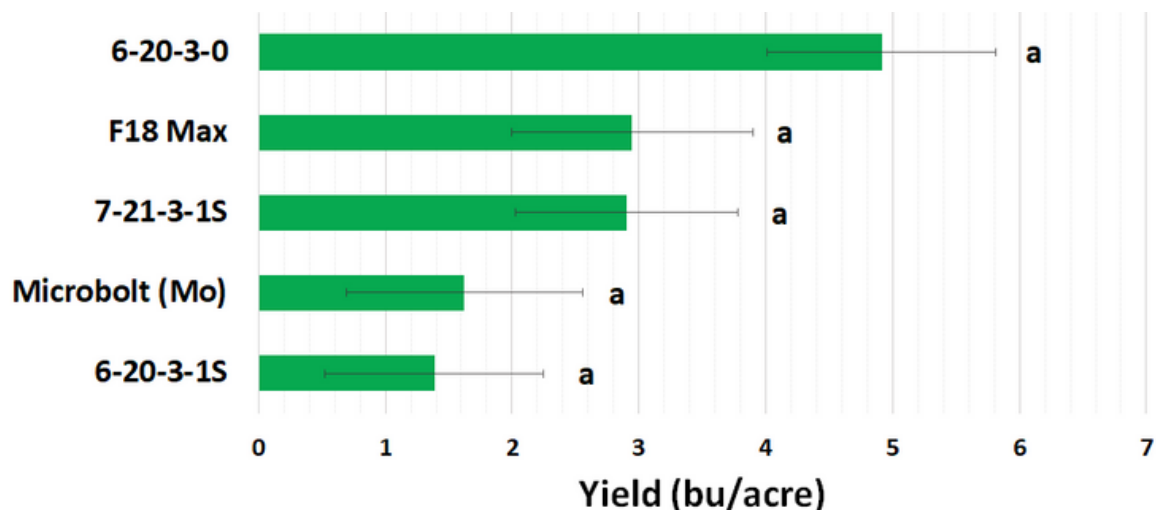
Eclipse B - 0.383 L/ac

July 14: G22 - 3 L/ac

F18 - 0.5 L/ac

Microbolt (B) - 0.25 L/ac

Microbolt (Mo) - 14 g/ac



coefficient of variation = 60.5; least square means differences were significant at 0.05

Alpine Foliar Product	Description
6-20-3-0	N/A. Yet to be released.
F18 Max	A balanced blend of macro and micro nutrients with organic acids.
7-21-3-1S	N/A. Yet to be released.
Microbolt (Mo)	Used when a soil and/or plant tissue analysis has indicated a molybdenum deficiency.
6-20-3-1S	N/A. Yet to be released.