

Crop Aid Nutrition's Objective in this study was to demonstrate that by using the products Crop Aid Plus and Crop Aid React that the Nutrient use Efficiency and Soil Fertility would increase.

The applied standard fertilizer rate was reduced to demonstrate that the objectives were attainable.

Crop Aid Nutrition does not support reduction of fertilizer without soil tests and recommendations from a qualified professional.

Field Report

Title:

Evaluate the impact of foliar applications of “Crop Aid Plus” & “Crop Aid React” on canola yield.

Objective:

- 1- Purpose of the field trails is to compare “Crop Aid plus” applied 3 times vs 2 applications.
- 2- Assess the impact of reduction in fertilizer input and maintaining yield with the help of Crop Aid products.

In the first trial “Crop Aid Plus” applied three times at the rate of 250 ml/ac (pre-seed + two in crop applications at herbicide stage)

The second trial was established to evaluate the impact of two applications at herbicide stages at the rate of 500 ml/ac and 250 ml/ac.

Furthermore, both trials have received two foliar applications of “Crop Aid React” at the rate of 1 liter/ac.

Trial Seeded on 17th May 2023

Target Population: 6 plant/ft with 80% estimated emergence; Seeding rate: B3010 - 5.9 lbs/ac

Plot dimensions: 1.35-m X 6.09 m **Trial Pest Management:**

4th May – Pre-seed Edge (10lbs/ac)

2nd June - Liberty (1.35 l/ac) + Centurion (75 ml/ac) + Amigo (225 ml/ac) + Decis (60 ml/ac)

7th July – Proline (141 ml/ac) + Matador (34 ml/ac)

Trial Randomization:

Treatment (Trt) 1: Control: Trt 2: Crop Aid Plus and Crop Aid React

	2	1	
	1	2	
	2	1	
	1	2	

Fertilizer: Treatment 1- 96N-35P-10K-20S Control

Treatment 2- 90N-25P- 8K-20S Treated

Nutrient reduction N -6.25%. P- 28.57%. K- 20%. S-0%

Results & Conclusion:

CROP AID Experiment "A"

Average Yield

Control: 61.2 bushels/acre

Treated: 66.5 bushels/acre

Crop yield has been increased 7.96% in treated plots compared to the control.

Results have shown that Crop aid products have supported crop to achieve yield with less fertilizer as compared to control.

Control plots received 96N-35P-10K-20S vs

Treated plots produced slightly higher yield with less fertilizer input (90N-25P-8K-20S)

Crop yield result need further validation and it is highly recommended to do multisite and multiyear trials to endorse the impact of tested products.

CROP AID Experiment "B"

Average Yield

Control – 57.31 bushels/acre

Treated – 56.34 bushels/acre.

The results indicate that the addition of Crop Aid Plus and Crop Aid React to a reduced standard fertilizer rate achieved similar yields while increasing Nutrient Use Efficiency and Soil Fertility. Crop yield was 1.69% less in treated plots as compared to the control.

Control plots received 96N-35P-10K-20S vs

Treated plots produced similar yield with reduced fertilizer (90N-25P-8K-20S)

Trial results need further validation, and it is highly recommended to established multisite and multiyear trials to endorse the impact of tested products.