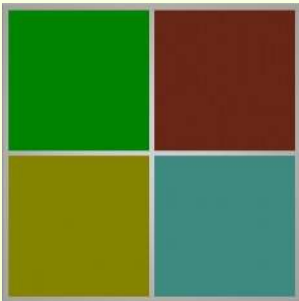


ATG PRODUCTS FOR PULSES CONVENTIONAL FARMING

Gain 4-6 days on your Harvest



ASLE
TECHNOLOGIES
GROUP

ATG Products work on the plant and soil to optimize energy management from seed emergence to maturity.



In 2018, world production of pulses was approximately 101 million tonnes, of which 8.7 million tonnes was grown in Canada and 2.9 million tonnes was grown in the US. Pulses cover approximately 8.3 million acres in Canada placing it within the top 5 exporting countries in the world.

Pulses growers look for ways to maximize their yields across different climates and soils. However, the shorter growing season in Canada causes delays in emergence and maturity. It is not always possible to overcome these issues by adding inoculants or adding fertilizers unless we **manage the energy flow** in the plant **at the right stage** to fill the pods and reduce stress.

ATG Products work on the plant and soil to optimize the energy management from seed emergence to maturity.

ATG Crop Booster can be applied **on seed** at the time of seeding to help early emergence by 2-3 days depending on soil moisture and temperatures compared to non treated seeds. Apply @ 20-25 ml of product diluted to 1 litre with water.

OPTION 1 One Foliar Application

Ideal stages for spray
At early flowering stage to pod formation stage.

Rates and Spray Timings
ATG NF Fertilizer: 2 lbs/acre
ATG Green Miracle: 400 ml/acre

Mix both ATG products in tank and spray through 8 to 10 gallon/acre spray nozzle.

OPTION 2 Two Foliar Applications

Rates and Spray Timings

1st Application: At early flowering

ATG NF Fertilizer: 1.5 lbs/acre
ATG Crop Booster: 400 ml /acre

2nd Application – early pod formation

ATG NF Fertilizer: 2.0 lbs/acre
ATG Green Miracle: 400 ml /acre

Mix all ATG products in tank and spray through 8 to 10 gallon/acre spray nozzle.



Spray Window

Spray Window

Spray Window



Typical Plans for 50 acres

One spray Plan:

20 L case of ATG Green Miracle + 2 bags of ATG NF fertilizer or 6 cases (20 L) of 10-5-3-6(S) at early flowering to pod formation stage.

Two Sprays Plan:

1st Application: 20 L case of ATG Crop Booster + 1 bag of ATG NF fertilizer or 3 cases (20 L) of 10-5-3-6(S) liquid fertilizer. at early flowering.

2nd Application: 20 L case of ATG Green Miracle + 20 L case of Booster + 1 bag of ATG NF fertilizer or 3 cases (20 L) of 10-5-3-6(S) liquid fertilizer at pod formation stage.

Mixing order:

Fill tank with clean water at least up to 50-60%. Add herbicides, fungicides or any other foliar fertilizers to the tank and mix thoroughly.

Add ATG NF Fertilizer (powder or liquid) and keep agitating. Add more water if necessary.

Add ATG supplements (ATG Green Miracle and/or ATG Crop Booster) as per the plan. Fill the tank with water and spray uniformly on crop @ 8-10 GPA.

ATG products are compatible to tank mix with most of the commonly used herbicides and fungicides. However, a jar test is recommended before mixing. NO adjuvant or binders needed with ATG Products.

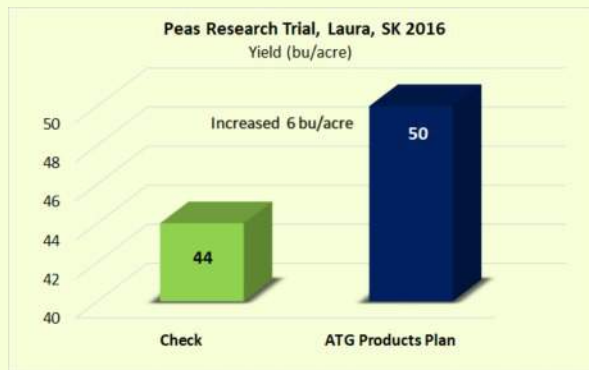
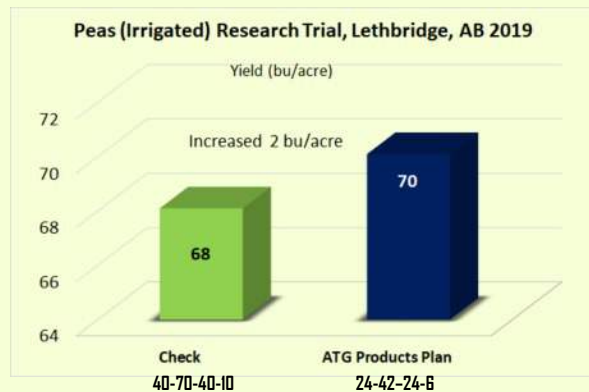
Cold springs during seeding and early snow/wet days during harvest time are becoming more frequent in the recent years.

ATG products can help growers get 2 to 3 days ahead in the season from early emergence and 4-6 days early in maturity.

Every year ASLE Technologies Group (ATG) collaborates with universities, independent research institutions, producer associations and innovative growers in Canada and the US to conduct research trials. ATG-products have demonstrated consistent results on crop performance and yield across different soils, crops and climates.

Peas - Test Results from Independent Trials and Growers Fields

ATG Nutrient Plans can increase your yields! The trials were conducted in 2019 near Lethbridge and Vulcan, AB to compare the use of regular/conventional salt-based fertilizer plans with the use of ATG NF Fertilizers and Supplements in conjunction with conventional fertilizers. The yield increased on peas when ATG Supplements and Foliar Fertilizers were applied at appropriate times when conventional fertilizer rates were **reduced by 40%**.



Test result highlights:

- Yield increased by 6-10 bu/acre
- Faster growth with 4-6 days earlier maturity
- Crop remains healthier during stress periods
- Healthier, bigger and uniformly filled pods

BREAK YOUR *LENTILS* YIELD BARRIERS WITH ATG PRODUCTS

ATG Nutrient Plan can increase your yields! The trials were conducted in 2019 near Vulcan, AB to compare the use of regular/conventional salt-based fertilizer plans with the use of ATG NF Fertilizers and Supplements in conjunction with conventional fertilizers. The yield increased on red lentils when ATG Supplements and Foliar Fertilizers were applied at appropriate times when conventional fertilizer rates were **reduced by 40%**!

Check or Growers' Standard: 40-70-40-10. **ATG plots:** 24-42-24-6 (40% reduction).

ATG Products Application: ATG Crop Booster Seed treatment was applied before seeding. **One foliar spray** was applied during the growing season with ATG Green Miracle @ 400 ml/acre mixed with ATG NF 12-10-10 @ 3 lb/acre at early flowering stage.

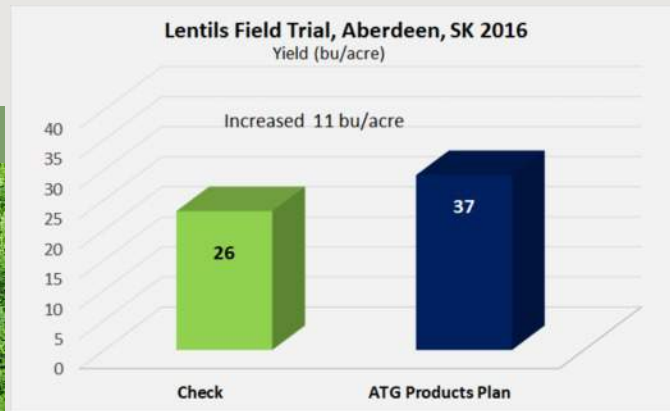
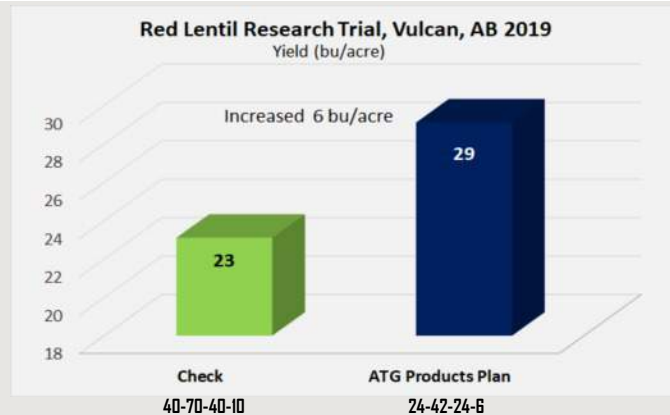
Highlights of Test Results

Vulcan, AB -2019

- Total yield with ATG products was 6 bu/acre more compared to non treated plots.
- Seed yield in plots treated with ATG products was 29 bu/acre and 23 bu/acre in check plots.

Aberdeen, SK 2016

- Total yield with ATG products was 11 bu/acre more compared to check plots.
- Seed yield in plots treated with ATG products was 37 bu/acre and 26 bu/acre in check plots.



Test Fields at Aberdeen, SK-2016

Check

With ATG Products

Benefits:

- Increased yield
- Stress tolerance
- Early Maturity
- 100% water soluble fertilizers with no salts

Contact us to develop your personalized
Crop Nutrient Plan (CNP)



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