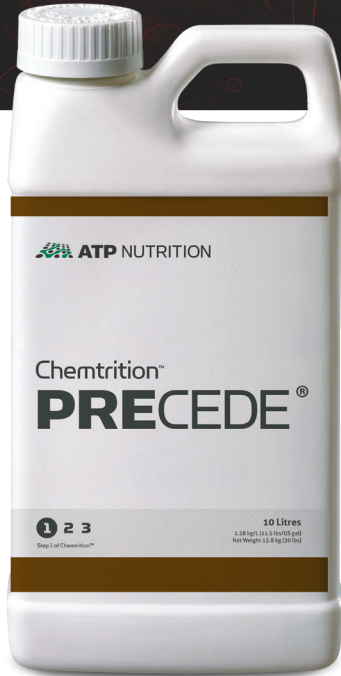


Stage 1

PRECEDE®

Lay the groundwork with PreCede.



Seed Nutrient Dressing



Cold start your crop-add PreCede to your seed protection.

PreCede® is the premium seed nutrient dressing designed and field tested to deliver the essential nutrients in the proper form and ratio to successfully cold start the crop. PreCede is Stage 1 in the System of Chemtrition®.

- Designed specifically for each crop
- Addresses the natural nutrient imbalances that exist in the seed
- Drives rooting and respiration
- Powered by Transit-S and Cellburst Technology



Contains Two Novel Biostimulants TRANSIT-S and CELLBURST Technology

More Roots = Delivers Genetic Potential

Seeds are nutrient imbalanced. Achieving the maximum genetic potential means providing the essential nutrients right from the start, by applying PreCede in tandem with a seed protectant. When PreCede is added to seed protection, the following occurs:

- Improves seedling vigour, rooting and the overall root architecture of the plant
- Enhanced nutrient uptake by the plant.
- Improves overall plant health to help overcome environment and biological stresses.
- Increases root surface area and overall root length.

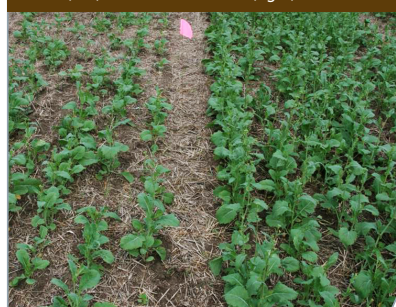
INCREASED ROOT DEVELOPMENT

Check (left) vs. PreCede Cereal (right) on Wheat



ENHANCED NUTRIENT UPTAKE

Check (left) vs. PreCede Canola (right) on Canola



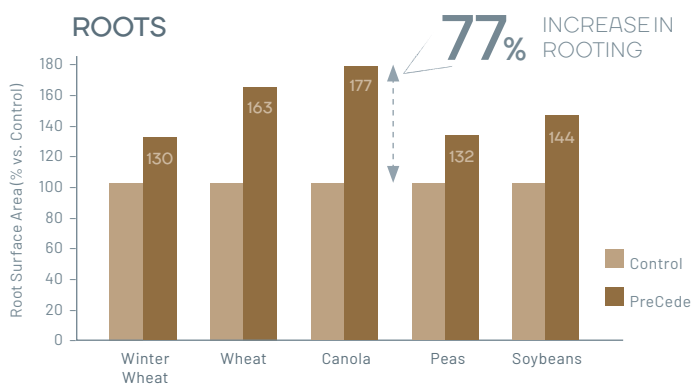
IMPROVED OVERALL PLANT HEALTH

Check (left) vs. PreCede Pulse (right) on Peas

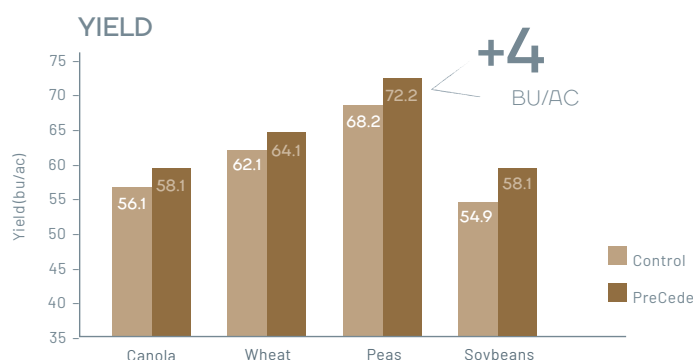


Proven Agronomic Performance

- 57 replicated trials across Western Canada from 2012 to 2015 report PreCede enhanced the root architecture among crops, showing as much as a 77% increase in the root surface area in Canola.
- Data collected from 90 replicated trials between 2011 and 2017 show a consistent increase in yield in Canola, Wheat, Peas and Soybeans.
- To review the complete PreCede trial data package, please contact your ATP technical expert today.



Summary of 27 replicated trials across Western Canada, 2012-2015



Canola; Summary of 14 field trials, 2013-2017
Wheat; Summary of 38 trials, 2012-2017
Peas; Summary of 2 independent field trials, 2013
Soybeans; Summary of 34 field trials, 2011-2017

DATA OBTAINED FROM OVER 4 YEARS AND 57 REPLICATED TRIALS CONSISTENTLY REPORT AN INCREASE IN ROOT SURFACE AREA IN CANOLA OF 77%.

Product Recommendations

- If applied alone, dilute PreCede with water to ensure uniform coverage on the seed.
- Allow for proper drying time to ensure optimum flowability.
- Do not treat directly into an air seeder.
- For uniformity, flowability and reduced dusting on the seed, Disco™ film coating should be combined with PreCede at a rate of 0.65 – 1 L/mt of seed.
- If combined with a seed protectant, conduct a jar test and refer to ATP Nutrition's information on product compatibility and calibration at www.atpag.com

Product	Analysis	Rate (L/MT)	Timing	Form
Canola	5-19-4-4Zn-1B + Transit-S + Cellburst	6.0	Seed	Liquid
Cereal	1-6-0-5Zn-2.5Mn-0.125B + Transit-S + Cellburst	3.0	Seed	Liquid
Rhizo	Transit-S+ BA + Cellburst	1.0	Seed	Liquid

- Once PreCede is combined with a seed protection product, the mixed product should be applied immediately to the seed.
- To view the PreCede SDS and Product Label, as well as read more information on product compatibility and calibration information, please visit www.atpnutrition.ca



Implement the System of Chemtrition in your crop planning and ATP Nutrition will guarantee a minimum yield increase equal in value to the input cost of the program.

To register and guarantee details, please go to www.chemtrition.com.

At ATP, we believe a proactive, science-based and balanced nutrient plan is the single most effective way to deliver the genetic potential of the crop. We challenge the status quo to drive productivity. **At ATP Nutrition, we believe in Powering Growth with Science®.**



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