

RESEARCH & RESULTS



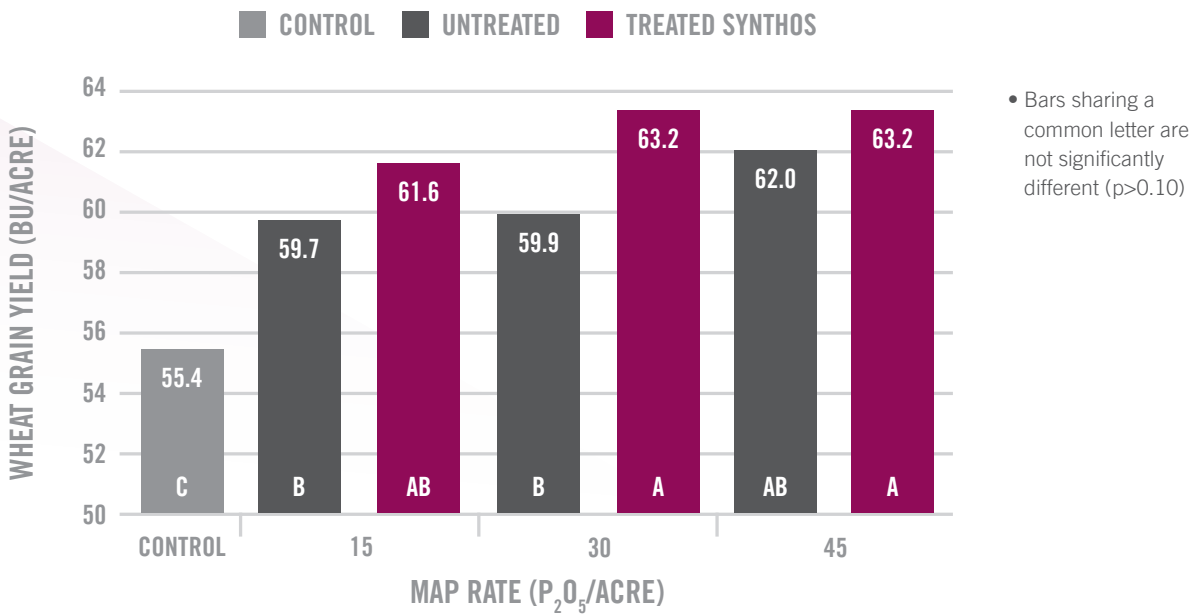
Promote a more robust root system and reduce dust with SYNTHOS® nutrient enhancer: a highly effective plant growth-promoting rhizobacteria (PGPR) product that converts phosphate-based fertilizers into readily-available forms for plant uptake.

SYNTHOS is phosphate-soluble and comes as an easy-to-handle liquid formulation. It produces more even coating, can be stored for two years and is proven to boost yield potential when there is phosphorus deficiency in the soil.

YIELD ADVANTAGE IN WHEAT ¹

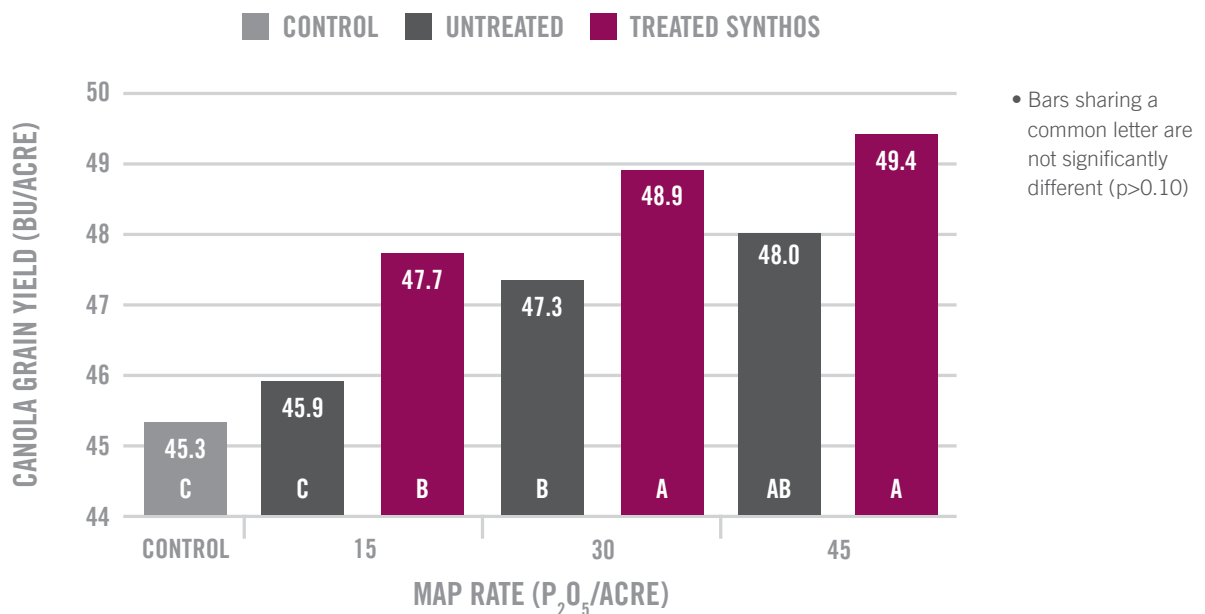
A research study with seven trials in Canada from 2019-2020 showed MAP treated with SYNTHOS and applied at 30 lbs/P₂O₅ acre increased yield by an average of 3 bu/acre over MAP at 30 lbs/P₂O₅ acre.

One reason for the boost: the bioactives in SYNTHOS produce enzymes and organic acids that improve the solubilization of phosphorus fertilizer into plant-available forms and release bound nutrients. These bioactives also produce growth metabolites that stimulate a plant's root system, improving nutrient and water uptake while optimizing both crop growth and yield potential.



CANOLA YIELD ADVANTAGE ¹

A research study with seven trials in Canada from 2019-2020 showed that canola treated with SYNTHOS at 15 lbs/P₂O₅ acre increased yield by an average of 2 bu/acre over MAP at 15 lbs/P₂O₅ acre. SYNTHOS at 30 lbs/P₂O₅ acre also increased yield by an average of 2 bu/acre over MAP at 30 lbs/P₂O₅.



THE CONFIDENT CHOICE IN PHOSPHORUS EFFICIENCY.

For more information and to learn how SYNTHOS can help boost your operation's nutrient use efficiency, visit [SYNTHOSBiological.ca](https://www.SYNTHOSBiological.ca).



¹The underlying data was provided by Alberta Agriculture, East Central Research Foundation, Solum Valley Biosciences, University of Alberta, Battle River Research Group, Northeastern Agricultural Research Foundation and Western Applied Research Corporation under Research Trial Financial Support Agreements with Koch Agronomic Services, LLC and neither these institutions, nor the individual researchers referenced, endorse or recommend any product or service.

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