

RELEAF™ OS

Nutrition

Biostimulant



Timing:
Foliar



Nutrient Type:
Macronutrients,
Micronutrients



Formulation:
Liquid



Power your crop – add ReLeaf OS with your herbicide.

ReLeaf Optimized Spray (OS) is a multi-crop formulation that contains Potassium, 6 essential micronutrients and 2 novel biostimulants to meet the early season nutritional demands of the crop. Applied with your herbicide, ReLeaf OS gives a second opportunity for early season plant nutrition to drive rooting and help with “herbicide hangover”. When ReLeaf OS is added with the herbicide, the following occurs:

- Delivers the essential nutrients, in the proper ratio and form for maximum uptake by the plant
- Drives rooting, photosynthesis, and improves overall plant health
- Assists in yield preservation by addressing “seedling stall”
- Relieves plant stress, improves early season nutrition and the metabolic activity of the plant
- Formulated to support mixing with many AgChem products or other liquid fertilizers. To review compatibility information visit atpag.com

ReLeaf OS is approved to be used with Enlist® and XtendiMax® tank mixes.

Roles of the Key Nutrients in ReLeaf OS

Micronutrient	Role of Nutrient	Deficiency Symptom	Micronutrient	Role of Nutrient	Deficiency Symptom
Potassium K 39.09	Promotes stalk strength and standability; Translocates sugars, proteins and starches; Improves disease resistance		Manganese Mn 54.94	Vital role in photosynthesis and chlorophyll synthesis, activates several enzymes and nitrate assimilation in the plant	
Zinc Zn 65.39	Critical for hormone production, root development and protein synthesis. Aids in seed formation		Boron B 10.81	Essential for pollination, cell wall and seed formation; carbohydrate production and sugar movement	
Molybdenum Mo 95.95	Essential for the nodule formulation and nitrogen fixation for legume crops; Converts nitrates into amino acids and proteins within the plant; Involved in the synthesis of ABA		Cobalt Co 58.93	Essential for proper nitrogen fixation in legume crops; Complements Molybdenum nutrition; Plays role in ethylene production, coleoptile elongation and bud formation	

Address the Stress - Contains Two Novel Biostimulants

Convey is a novel technology that works in the plant to drive respiration. Increased respiration helps to:



- Drive rooting
- Superior uptake of applied nutrients
- Improved nutrient use efficiency
- Alleviate stress
- Increases yield and backed by over 1100 independent replicated trials

Cellburst is a seaweed extract technology that drives productivity:

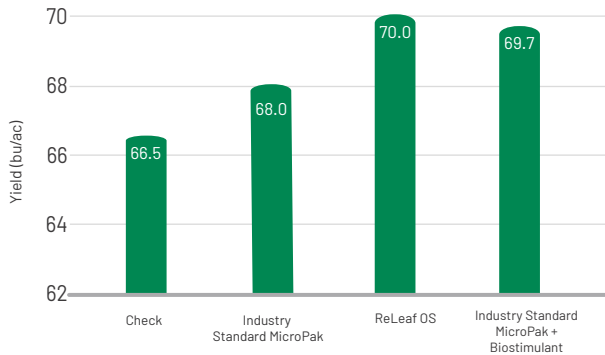


- Increasing abiotic stress tolerance (drought, heat, cold, salinity)
- Enhancing rooting
- Improving antioxidant activity (photosynthesis)
- Improving pollination and fruit set by increasing pollen tube development
- Complementing Convey Technology

Proven Agronomic Performance

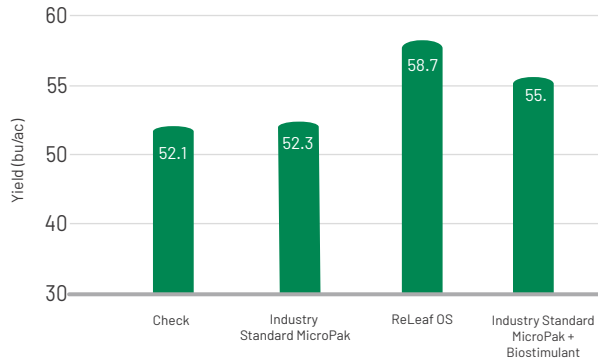
- Data collected from field trials showed a consistent increase in yield by 3.5, 6.6 and 12.0 bu/acre for wheat, soybeans and corn, respectively.
- Biostimulants complement Nutrition – When compared to “nutrition alone products”, ReLeaf OS enhanced production by an additional 2.0 bu/acre and 6.4 bu/acre in wheat and soybeans respectively.

ReLeaf OS - Impacts Wheat Yield



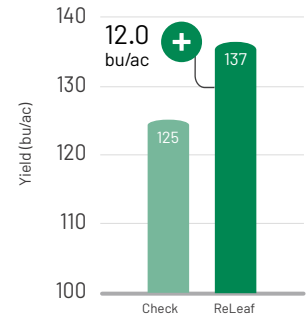
All products applied at herbicide timing.
ReLeaf OS applied at 1qt/ac.
Biostimulant applied at 4 oz/ac and Industry standard Micropack applied at 1qt/ac.

ReLeaf OS - Impacts Soybean Yield



All product applied at herbicide timing.
ReLeaf OS applied at 1qt/ac.
Biostimulant applied at 4 oz/ac and Industry standard Micropack applied at 1qt/ac.

Corn



Summary of 4 replicated trials (2019, 2020). ReLeaf applied with herbicide at 1 qt/ac at the V4-V8 Stage.

Reduces Abiotic Stress - Herbicide Hangover

ReLeaf Stopping Herbicide Hangover - Soybeans



ReLeaf applied at 1 qt/acre at the V5 growth stage with herbicide.

Enhanced Rooting - Corn



Untreated Check (left) vs ReLeaf OS (Right)

Product Recommendations

- ReLeaf OS should be applied at herbicide timing.
- Ensure water volume (min. 10 gal/ac) is used for optimum coverage and effectiveness.
- ReLeaf OS is approved to be used with Enlist and XtendiMax tank mixes. Please refer to appropriate website for tank mix details.
- ReLeaf OS can be combined with either the Laser™ or Impel™ line of ATP Products, if determined that additional nutrition is required.
- To view the ReLeaf OS SDS and Product Label, learn more about ReLeaf OS and product compatibility information please visit www.atpag.com

Product	Analysis	Rate (qt/ac)	Timing
OS	0-0-15-1.0B-1.0Mn-1.0Zn-0.01Mo-0.001Co + Convey + Cellburst™	1.0	Foliar
Canola	5-20-5-0.5B-0.2Mn + Convey + Cellburst + TE	2.0	Foliar
Cereal	6-18-5-0.1Zn-0.1Mn-0.05Cu-0.05B-0.2Fe + Convey + Cellburst	1.0	Foliar
Pulse	4Ca-1Mg + Convey + Cellburst + TE	1.0	Foliar
Corn*	10-14-5-0.05Zn-0.025Mn-0.025Cu-0.025B+0.1Fe + Convey + Cellburst	2.0	Foliar
Soybean*	2-23-2-0.6S-3Mn-1Zn + Convey + Cellburst + TE	1.0	Foliar

*Made to order and available upon request. For inquiries, please contact the ATP Nutrition order desk.
TE = Trace elements critical to optimize nutrient use and proper plant growth



At ATP, we believe a proactive, science-based approach to restore the balance between plant and soil health is the single most effective way to deliver the genetic potential of the crop. We challenge the status quo by utilizing agtech to monitor and drive productivity.

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