

BioniQ®

For Canola, Mustard, Wheat, Barley, Oat, Rye

STRONGER ROOTS. BIGGER YIELDS.

Key Benefits:

- Three modes of action to support root and shoot development, increasing water and nutrient availability (N, P, K)
- Facilitates the uptake, utilization and solubilization of phosphorus fertilizer
- Improves early season growth and establishment across all soil types, soil pH levels, and temperatures
- Season long root colonization supporting higher yield potential
- Compatible with our new Avoda® PRO fungicide seed treatment for reliable protection against a complete label of seed- and soil-borne diseases in cereals

Biological Actives & Function:

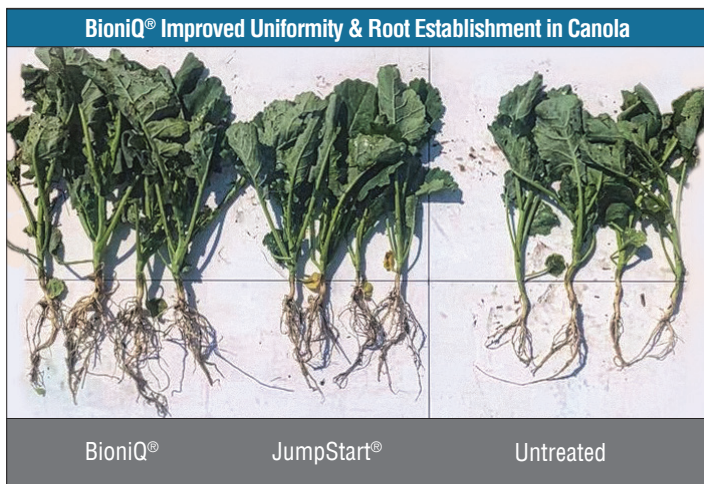
Active	Function
<i>Penicillium bilaiae</i>	Proven to increase plant available phosphorus through the solubilization of soil and fertilizer bound phosphorus
<i>Bacillus amyloliquefaciens</i>	Produces a phytase enzyme to mineralize organic phosphorus into a plant available form
<i>Trichoderma virens</i>	Promotes a more extensive root system which supports faster seedling establishment and shoot development

2025 Field Grower Trials:

	Trial Number	Average (bu/ac) Increase
Total Average	9	3.9
Average Cereal	4	4.8
Average Canola	5	3.3

(When compared to grower standard practice)

Proof of Performance:



Source: Anaheim, SK.

Proof of Performance:



Source: Taber, AB. Non-irrigated land.

Formulation:

Wettable Powder (2-part co-pack: 333 g + 450 g)/box = 10 boxes per case



Application Rates:

Crop	783 g Box	Recommended Water Volume/Box
Barley	250 bu	34 L
Canola	10 bags	5 L
Mustard	10 bu	5 L
Oats	250 bu	24 L
Rye	250 bu	39 L
Wheat	250 bu	42 L (30 L for bare seed and Avoda® PRO seed treatment)

Mixing Instructions:

Bare seed: Add the entire contents of both BioniQ® bottles (Wettable Powder "A" & Wettable Powder "B") to the recommended rate of water, mix well, apply to seed.

Cereal tank-mix: Add both BioniQ® bottles ("A" & "B") from one box to the recommended water rate minus the seed treatment needed to treat 250 bu, mix well, add mixture directly into the seed treatment, mix well, apply to seed.

New Reduced Water Rate for Wheat with Avoda® PRO Fungicide Seed Treatment

Seed Treatment	Sequential Application	Simultaneous Application	Tank-Mix Application ¹	Water Rate for 1 box of BioniQ® for 250 bu	Seed Treatment Rate for 250 bu	Tank-Mix Amount Applied per 100 kg Seed
Bare seed	60 days	60 days	60 days	30 L		440 mL
Avoda® PRO	60 days	60 days	60 days	7.9 L	22.1 L	440 mL

Reduced water volume amount per box of BioniQ® applies only to Avoda® PRO seed treatment tank mix for wheat and bare seed. For other tank mixes, use 42 L of water minus seed-treatment amount.

Note: All the cereal seed treatments are currently being retested for the lower water volume. Please contact your sales rep for an updated list indicating which seed treatments have been approved for the new reduced water rates.

BIOLOGICALS
by
FMC