

Avodigen® Biofungicide/Bionematicide

Avodigen® biofungicide/bionematicide is an EPA-registered biopesticide applied as a seed treatment labeled on many row crops including cereal grains. This seed treatment contains two *Bacillus* species proprietary to FMC: FMCH001 (*B. Licheniformis*) and FMCH002 (*B. subtilis*). Antifungal compounds produced by these bacteria perforate fungal cell membranes and create zones of inhibition as well as inducing systemic immune responses to plant pathogens. In addition, Avodigen biofungicide/bionematicide colonizes the rhizosphere for season-long effects.

Avodigen biofungicide/bionematicide is compatible with synthetic seed treatments and is very stable both on the seed and in the jug, featuring a minimum 2-year shelf life with no special storage conditions required.

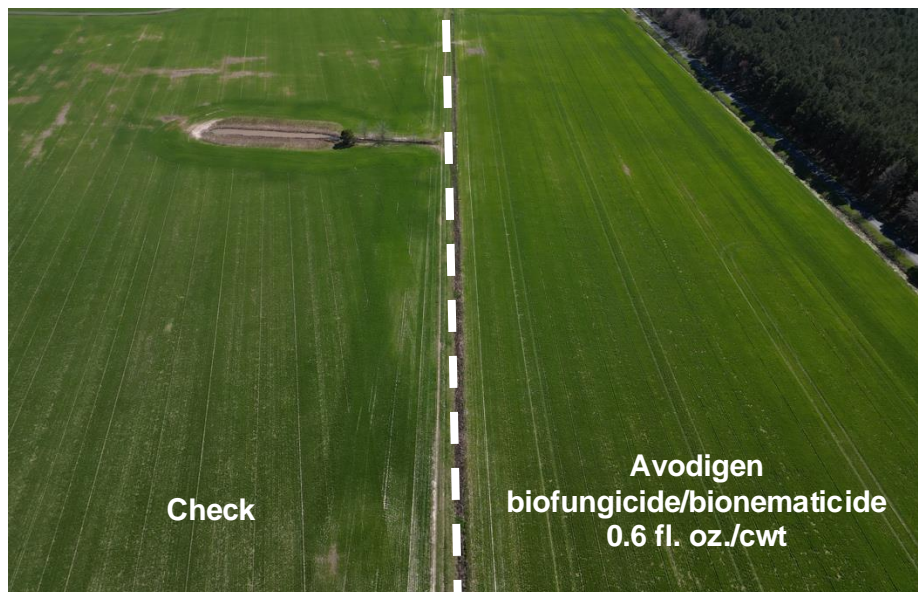


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- Getting Winter Wheat off to a great start with a Biopesticide Seed Treatment

Get Winter Wheat Off To A Great Start

The bacteria in Avodigen biofungicide/bionematicide protect against early-season diseases of wheat seedlings like *Rhizoctonia solani* and promote the formation of a healthy root structure. Fields treated with Avodigen biofungicide/bionematicide exhibit improved emergence, uniformity and vigor heading into winter. At green up, Avodigen biofungicide/bionematicide treated plants are healthier and average ~2 extra tillers per plant for increased yield potential.



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CROPS

0.3-0.6 fl. oz./100 lbs. seed

RATES

Cereal Grains - Barley, Buckwheat, Oats, Pearl and Proso Millet, Rye, Triticale and Wheat

Product Overview

- **Avodigen[®] biofungicide/bionematicide colonizes roots to protect against *Rhizoctonia* species.**
- Increases tiller vigor and may improve water use efficiency during periods of drought stress.
- Compatible with synthetic fungicide and insecticide seed treatments, providing additive benefits.

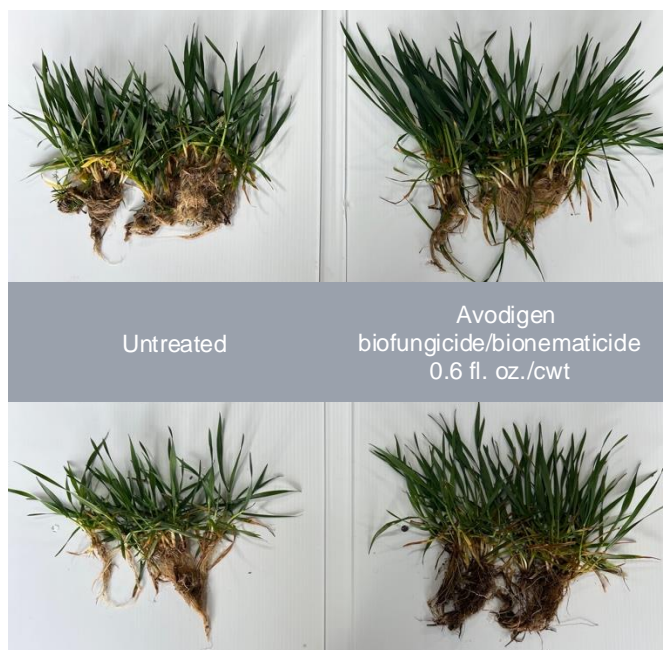
Early-Season Observations

Albert, KS
Tall Crop, Inc.
Planted 29 Sept.; Photos taken 31 Oct.



Green-Up Observations

Watonga, OK
Wheeler Brothers, Crop Quest
Planted 8 Sept.; Photos taken 26 & 27 Feb.



Dry Weight of 10 Plants (g)

Sample #	Untreated	Avodigen biofungicide/bionematicide 0.6 fl. oz./cwt
1	0.84	1.07
2	0.75	0.99
3	0.83	1.32
Average	0.81	1.13

Random plants taken on 11/1/23.

Recommendations and Considerations

- Avodigen biofungicide/bionematicide is shelf and seed stable for 2 years.
- Avodigen biofungicide/bionematicide is uncolored and must be used with a seed colorant or synthetic seed treatments containing colorant.