



GROZONE® GOLD SEED TREATMENT PACKAGE

STANDARD SEED TREATMENT PACKAGE OFFERINGS

Treatment Options	Treatment Description	Stamina®	Apron XL®	Nitragin Gold®	Optimize Gold®	Micronutrients	OMRI Listed
34% Nutrient Coat	COS	X	X	X	X	X	NO
Apex Green 34% Organic Coat (Only available on specific products)	OC			X			YES

ADVANTAGES OF GROZONE® GOLD SEED TREATMENT PACKAGE

Better emergence in wet or dry conditions

- Up to 20% better emergence than preinoculated uncoated seed (U of MN and CA data).
- Micronutrients surrounding the seed increases germination and emergence.
- Controls early season diseases that attack new seedlings in wet environments.

Better and earlier nodule formation for improved nitrogen fixation

- At least 100% more live Rhizobium per seed than preinoculated uncoated seed improves root development and nodulation.
- Unique mix of Rhizobium strains improves nodulation and promotes nitrogen-fixation.

Better stand establishment

- Root and shoot development is enhanced immediately and independent of soil conditions.
- Early start improves plant health with multi-season benefits of greater yield potential.
- Smooth finish and uniform seed size improves planting accuracy
- Ideal for reduced tillage.

Proprietary GroZone® Package Includes:

Optimize® Gold with LCO Promoter Technology® for alfalfa

- When present at the time of planting, LCO Promoter Technology® enables your crop to achieve its full genetic potential by enhancing nutritional capabilities that drive natural growth processes, maximizing plant health and crop performance.

Stamina® Fungicide

- Protects seed and new seedlings from fungal disease and enhance plant health, especially under tough soil conditions with elevated disease pressure. May result in higher germination rates, increased nodulation, healthier roots and larger plants.

Nitragin® Gold

- Specially selected natural rhizobia strains (pre-inoculant) result in high levels of nitrogen fixation for maximum yields.

Apron XL® Fungicide

- Protects against seedling damping-off diseases, especially in cool wet soils.

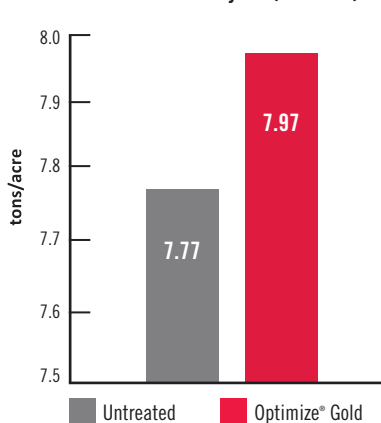
Micronutrients

- Assists in early vigor and stand establishment.

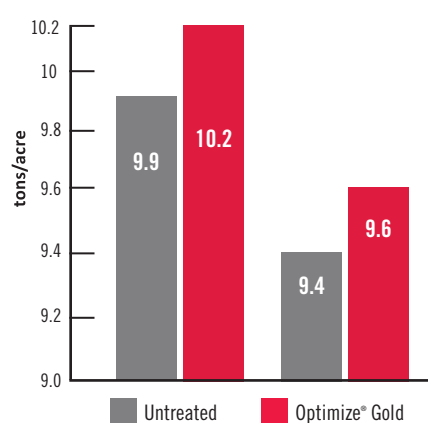
Protective Coating

- Preserves and extends shelf life of active rhizobia within seed treatment.

Yield Summary
Solid ROI-Multiyear (43 Trials)



Continued returns with 2nd year crop
(4 trials)



Improved Root System



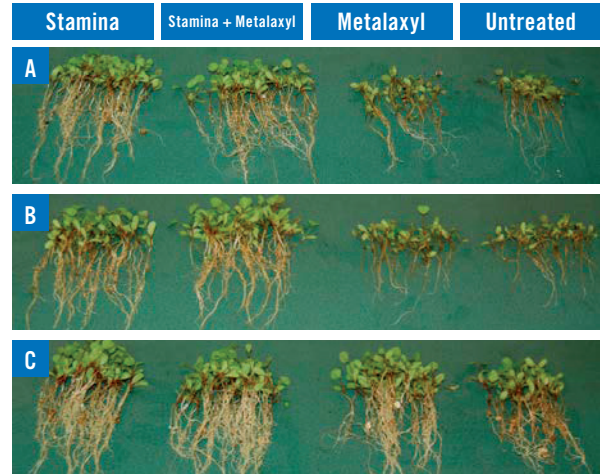


SEED TREATMENTS

STAMINA® FUNGICIDE BENEFITS

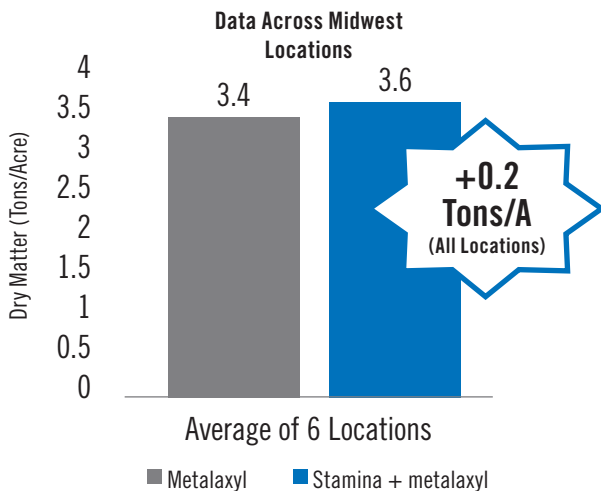
WHY USE STAMINA®?

- Powered by F500® fungicide, the same active ingredient that is in Headline® fungicide
- Stamina® is a broad spectrum, seed-applied fungicide that provides suppression of seed and emerging seedling disease caused by these target diseases:
 - Aphanomyces euteiches
 - Rhizoctonia solani
 - Fusarium spp.
 - Phytophthora medicaginis
- Seed treated with Stamina® results in:
 - A healthier stand with faster developing plants
 - Increased forage yield
 - More rapid and increased emergence of seedlings even under certain cold conditions

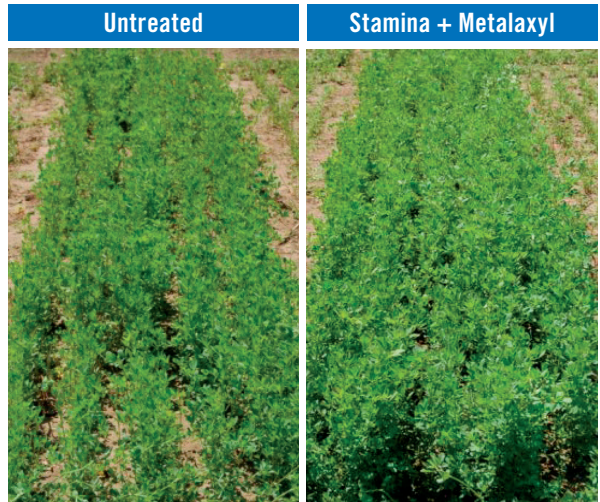


Seedlings inoculated with (A) Aphanomyces euteiches Race 1, (B) Aphanomyces euteiches Race 2 (C) Phytophthora medicaginis. Stamina applied at 3.1 fl oz/cwt & metalaxyl applied at 0.91 fl oz/cwt. 2011 Laboratory test conducted by an independent third party researcher.

Summary of Alfalfa Forage Yield, Seeding Year



Stamina applied at 3.1 fl oz/cwt. Metalaxyl applied at 0.91 fl oz/cwt. 2011 replicated trials conducted in West Salem, WI.



Alfalfa spring seeded May 6, 2011. Photos taken on June 29, 2011 in West Salem, WI. 54 Days After Seeding. Stamina 3.1 fl oz/cwt, metalaxyl 0.91 fl oz/cwt.

