

SEED TREATMENTS & COATINGS

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

OPTIMAL AND EARLIER NODULE FORMATION FOR IMPROVED NITROGEN FIXATION

- Unique mix of Rhizobium strains improves nodulation and promotes nitrogen-fixation

OPTIMAL STAND ESTABLISHMENT

- Root and shoot development is enhanced 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

- Helps protect 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

- Helps protect against seedling damping-off diseases, especially in cool wet soils

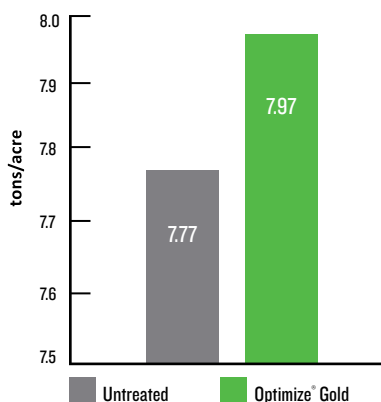
Micronutrients

- Assists in early vigor and stand establishment

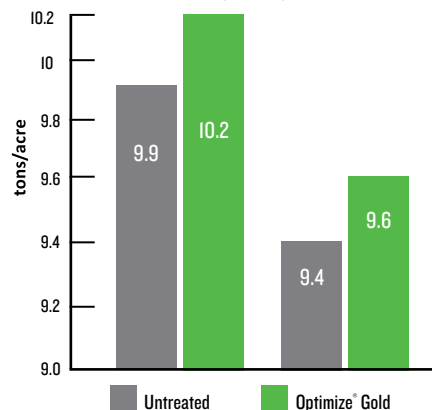
Protective Coating

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

Yield Summary
Solid ROI-Multi-year (43 Trials)



Continued returns with 2nd year crop
(4 trials)



Improved Root System



APEX™ GREEN SEED COATING

PROVEN PERFORMANCE

OMRI SSC-2409



Independent field studies and University testing have shown:

- Apex™ Green Seed Coating encapsulates each seed with a specifically formulated mix of OMRI listed and NOP approved minerals and nutrients.
- The natural color of Apex™ Green Seed Coating improves monitoring of the seeded area and seeding rates. The change in color also disguises the seed from natural predators, such as birds, increasing the seeds survivability.
- Seeds coated with Apex™ Green Seed Coating are larger and distribute more evenly. The added size increases spread width up to 40% and helps seed penetrate stubble or thatch for maximum seed-soil contact, a crucial step to a seeds germination.
- Every seed planted with Apex™ Green Seed Coating is surrounded with a natural micronutrient rich environment, stimulating vigorous growth in young seedlings. When applied to legumes Apex™ Green Seed Coating allows very high numbers of Nitrogen fixing rhizobia, helping ensure crucial nodulation.
- The hygroscopic nature of Apex™ Green Seed Coating helps pull and hold moisture, aiding in germination. Our new Apex™ Green HydroLoc contains an organic hydration component that helps maximize water absorption for enhanced germination and accelerated growth.

