



Guaranteed Analysis:

Non-Plant Food Ingredients:

Bacillus amyloliquefaciens.....2.8 x 10¹¹ CFU/gm
 Bacillus licheniformis.....2.8 x 10¹¹ CFU/gm
 Bacillus megaterium.....2.8 x 10¹¹ CFU/gm
 Paenibacillus azotofixans.....2.8 x 10¹¹ CFU/gm
 Rhodobacter palustris.....2.8 x 10¹¹ CFU/gm
 Propionibacterium acidifaciens...2.8 x 10¹¹ CFU/gm
 Bifidobacterium minimum.....2.8 x 10¹¹ CFU/gm

Inert Ingredients: 90%

Microorganisms exempt from CDR requirements
 - 40 CFR 725

Available Size: 30 Gram Pack



Branch Creek Organics, LLC®
 888.408.5433



COLONY™ NORTH is a microbial package that includes biology whose primary purpose is to solubilize nitrogen, phosphorus, potassium and calcium as well as increase chitinolytic and cellulolytic activity.

BENEFITS OF COLONY™ NORTH:

- Increases nutrient availability allowing for reduction in fertilizer usage.
- Creates a natural reduction of thatch through organic matter breakdown.
- Degradation of toxic substances by taking pollutants out of the air, through digestion, as well as removing them from the soil.
- Increases good soil micro-organisms allowing for better plant development and prevention of plant disease.
- Formation of soil aggregates as bacteria produces cellulose which helps to accumulate Organic Matter. A 1% increase in Organic Matter increases the soils watering holding capacity by 25,000 gallons per acre.
- Beneficial Bacteria communicate with the plant and trigger enzyme releases that tell the plant to develop roots, absorb nutrients that they are lacking, and prepare for a fungus trying to invade.
- Increases the rigidity and structure of cell walls which provides added drought tolerance as well as disease tolerance.
- Works to detach the Carbon molecule from Carbon Dioxide (CO₂) made in the soil and begins the linkage of carbon atoms.
- Effectively captures Carbon atoms released from reactions in the soil to form weak organic acids.

APPLICATION RATES

- Agitate well before use and store in a cool, dry location

Turf (Golf - Tees and Greens)

- Initial Annual Inoculation Application: 15 gm per Acre (1 packet per 2 Acres)
- Maintenance: 10 gm per Acre (1 packet per 3 Acres) every 21-30 days

Turf (Residential, Commercial, Fairways)

- Initial Annual Inoculation Application: 15 gm per Acre (1 packet per 2 Acres)
- Maintenance: 10 gm per Acre (1 packet per 3 Acres) every 21-30 days

Ornamental Maintenance Program

- Mix one 30 gm packet of Colony™ North per 200 gallons of water. Drench soil to saturation or 1 gallon of finished product per 1 inch DBH. Spring and Fall applications suggested.
- Tank mix with 16-3-3 Arbor Flo® at desired fertilizer rate for added effectiveness.

Genus	Nitrogen Metabolism	Phosphorus Solubilization	Potassium Solubilization	Calcium Solubilization	Sulfur Solubilization	Cellulolytic Activity	Chitinolytic Activity	Carbon Sequestration
Bacillus amyloliquefaciens (3 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Bacillus licheniformis (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Bacillus megaterium (3 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Paenibacillus azotofixans (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Rhodobacter palustris (4 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Propionibacterium acidifaciens (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Bifidobacterium minimum (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good

Genus	Magnesium Solubilization	Manganese Solubilization	Zinc Solubilization	Iron Mobilization	Trace Micro-Nutrients	Lignolytic Activity	Salt Tolerance	Other Plant Beneficial Activity
Bacillus amyloliquefaciens (3 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Bacillus licheniformis (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Bacillus megaterium (3 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Paenibacillus azotofixans (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Rhodobacter palustris (4 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Propionibacterium acidifaciens (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
Bifidobacterium minimum (2 Varieties)	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good

Very Good Good N/A

For more information visit

branchcreek.earth