

BEST PRACTICES GUIDE

N-Physis

HOW IT WORKS

N-Physis is a wettable-granular, nitrogen fixing bacteria, that allows a sustainable source of nitrogen to be available to the plant from application through harvest. By penetrating the cell wall, N-Physis can colonize within the plant cell while capturing nitrogen from the air around it and delivering it to the crop where and when it is needed. N-Physis works to provide additional nitrogen needed by the plant to meet your desired yields.

APPLICATION (RATES MAY VARY)

FOLIAR APPLICATION

- One 200-gram pouch will treat 40 acres at 5 grams/ac (0.175 oz./acre). Apply within a minimum of 10 gal. of water/acre

IN-FURROW APPLICATION

- One 200-gram pouch will treat 40 acres at 5 grams/ac (0.175 oz./acre). Apply within a minimum of 2.5 gal. of water/acre

SUGGESTED APPLICATION RATE

- In-furrow rates vary from 5-7 grams/acre. (0.175 – 0.24 oz./acre)
- Foliar rates vary from 5-20 grams/acre. (0.175 – 0.70 oz./acre)
- Application rates are based on specific crop and soil needs, management objectives, and/or environmental conditions. Consult a technical representative for specific recommendations

TIMING



CORN

In-furrow or Foliar
V2-V6



SUGARBEETS

In-furrow or Foliar
3-6 Leaf Stage



SOYBEANS

In-furrow or Foliar
V2-V4



ALFALFA

Foliar
3-4" of regrowth after cut



WHEAT

In-furrow or Foliar
Tillering or Flagleaf



SORGHUM

In-furrow or Foliar
V2-V6



COTTON

In-furrow or Foliar
3-6 Leaf Stage



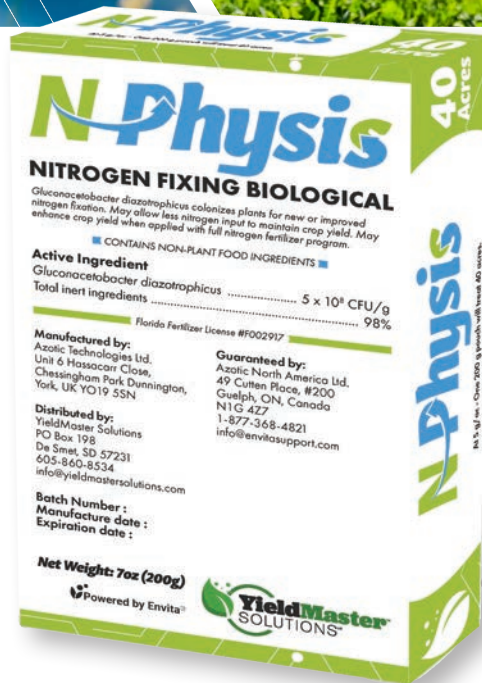
CANOLA

In-furrow or Foliar
Rosette Stage



POTATOES

In-furrow or Foliar
3-4 Leaf Stage



COMPATIBILITY

- | | |
|-----------------|-------------------------|
| ✓ Glyphosate | ✓ Most Other Herbicides |
| ✓ Glufosinate | ✓ Starter Fertilizers |
| ✓ Dicamba/2,4-D | ✓ Chlorinated Water |
| ✓ Fungicides | ✓ Chelated Zinc |
| ✓ Insecticides | |
| ✗ UREA | ✗ UAN |
| | ✗ Ammoniated Zinc |

STORAGE

- Shelf Life: Up to 2 years when properly stored
- Storage Temp: Recommended below 80°
- Avoid high humidity
- Keep out of sun
- Contains living organisms; therefore, the product may have an odor & is perishable
- Keep out of reach of children and animals
- Store in original container

RECOMMENDATIONS

- Rain fast: Rain within one hour of application may reduce performance
- Use with current nitrogen program
- Use a surfactant for best results
- Add N-Physis into the tank mix last for best results