

CONSEQUENCE™

FUNGICIDE | NEMATICIDE | BACTERICIDE

Consequence™ is an evolved chitosan product designed to strengthen crops and defend against a wide spectrum of pathogens. Consequence™ is a 25(b) EPA-exempt biopesticide, effective against nematodes and fungal, bacterial, and viral pathogens.

The chitosan in Consequence is a naturally occurring biopolymer derived from fungal cell walls. When applied to plants, Consequence functions both as a direct antipathogenic and as a biochemical signal that activates the plant's existing defense systems.

Consequence's positively charged molecules bind to pathogen cell membranes, inhibiting disease. At the same time, chitosan triggers Systemic Acquired Resistance (SAR) and Induced Systemic Resistance (ISR). These plant signaling cascades stimulate production of pathogenesis-preventative phenolics, phytoalexins, and structural reinforcements which strengthen tissues and block infection sites. Consequence also enhances root growth, nutrient uptake, and tolerance to environmental stress.

Contains: 5% Chitosan



CONSEQUENCE™ BENEFITS

- Directly disrupts pathogenic microbes
- Activates plant immune response system via SAR (Systemic Acquired Resistance)
- Activates plant readiness system via ISR (Induced Systemic Resistance) signaling cascade
- Suppresses both soil-borne and foliar diseases
- Helps protect against nematodes, pathogenic bacteria & fungi, and some viruses
- Reinforces cell walls by stimulating lignin and callose
- No REI (Restricted Entry Interval)
- No PHI (Pre-Harvest Interval)
- No MRL (Maximum Residue Limit)

TARGET PESTS SUPPRESSED:

- **Soil Diseases:** *Fusarium*, *Phytophthora*, *Pythium*, *Rhizoctonia*, *Sclerotinia*, *Verticillium*.
- **Foliar Diseases:** *Alternaria*, *Botrytis*, *Colletotrichum*, *Monilinia*, *Pseudomonas*, *Rhizopus*, Brown Rot, Canker, Downy Mildew, Fire Blight, Powdery Mildew, Red Leaf Blotch, Sooty Mold, and Spur Blight.
- **Nematodes:** Citrus nematode, Reniform nematode, Root-knot nematode, Root-lesion nematode, Stem nematode, and String nematode.
- **Viruses:** Potato virus X and Mosaic viruses.

APPLICATION RATES

Application	Application Type	Application Rate	Frequency
Pre-Plant Dip	Dip	8 fl. oz./100 gallons	1 application
Seed Treatment	Slurry	4 - 36 fl. oz. per 100 lbs seed	1 application
Greenhouse, Nursery, and/or Controlled Environments	Foliar and/or Drench	8 - 24 fl. oz/100 gallons	Every 7-14 days
Field Crops	Foliar, Aerial, Drench, In-Furrow, or Chemigation	0.5 - 1.5 gals/acre	Every 7-14 days
Turf	Foliar and/or Drench	8-12 fl. oz./1000 sq. ft.	Every 2-8 weeks throughout the season

Make an initial application prior to onset of disease season or at any time during the season. Use higher rates and the shortest between-application intervals when disease pressure is high. For optimal results, maintain acid conditions of the tank mix (pH <6). In hydroponic systems, use the low rate of Consequence™ (8 fl.oz./100 gallons) when applied to stone wool substrates. Alternatively, foliar applications are acceptable.