

# Pacific Gold (Brassica juncea)

## Biofumigant cover crop proven to:

- Suppress nematodes
- Suppress soilborne pathogens

## Key features:



Nematode trap crop



Outcompetes broadleaf weeds



Reduces soilborne pathogens



Improves overall soil health

## The Mighty Mustard® Guarantee:

- Certified Seed
- Plant Variety Protected (PVP)
- Non-GMO Project Verified
- Tests negative for Black rot and Blackleg

## How Pacific Gold works:

When Pacific Gold's primary Sinigrin glucosinolates are hydrolyzed, they produce the thiocyanate ion that suppresses the following soilborne pathogens: Charcoal rot, Fusarium, P. capsici, Sclerotinia sclerotiorum, and Verticillium.

## Primary Actions:

- Sinigrin glucosinolates (a.k.a. Allyl or 2-Propenyl) reduce pathogens
- Nematode trap crop
- Produces high volumes of targeted Sinigrin glucosinolates and biomass

## Soil Health Benefits:

- Captures & recycles soil nutrients
- Improves soil aeration & water penetration
- Reduces wind & water erosion
- Increases active Soil Organic Matter
- Outcompetes weeds
- Trap crop for nematodes, crucifer flea beetles and cabbage aphids

## Notes:

Day-length sensitivity: For maximum biomass production, plant when daylight hours are shorter, such as early spring or late fall. Mighty Mustard® will winter-kill at sustained temperatures of 26 degrees Fahrenheit or colder.

Mighty Mustard® is not suitable for grazing by livestock. The glucosinolates in mustard "may irritate digestive tracts or create thyroid problems in livestock if consumed in large quantities over time" (DiTomaso and Healy, 2007). Please consult your veterinarian for more information.

## Management Basics:

**Approximated seed count:** 175,000 seeds/lb. Varies by lot.

**Seeding rates for monocrop:** 10-15 pounds per acre

**Seeding rates for cover crop cocktail:**

3-6 pounds per acre for a cocktail of three or more crops. Increase seeding rate if you want the mustard to play a more dominant role in the blend.

Always check plant-back restrictions prior to planting Mighty Mustard®.

**Planting depth:** 1/4-3/4 inch

**Ideal soil:** Excels in well-drained soils within a pH range of 5-8

**Estimated biomass:** 4 to 5 tons per acre