



Miticor 980 G

Granular Soil Fumigant

*Precision Granular Fumigant
for Turf, Horticulture
and Non-Crop Markets*

Product Overview

ProForce Miticor 980 G is a broad-spectrum granular soil fumigant containing 980g/kg Dazomet. As a MITC generator, it is designed for pre-plant soil disinfection in a range of non-crop situations including:

- Turf construction, grow-in, and renovation
- Nursery beds
- Horticultural and ornamental production
- Greenhouse and container soils

Key Features

- > Broad-spectrum control of soil-borne fungi, nematodes, weeds, and insects.
- > Granular formulation for uniform application with reduced drift risk.
- > No need for gas-tight plastic covers.
- > Breaks down naturally into non-persistent byproducts.
- > Compatible with standard renovation equipment (rotary hoe, power rake, etc.).
- > Improves seedling establishment by creating a clean, weed and pest-free soil environment.
- > Packaged in 15 kg pails for easier handling and application.

Mode of Action

Dazomet decomposes in moist soil to produce methyl isothiocyanate (MITC), a potent biocide. MITC diffuses through the soil profile, targeting:

- **Fungi:** Fusarium, Pythium, Rhizoctonia, Verticillium, Phytophthora, Sclerotinia
- **Nematodes:** Meloidogyne, Pratylenchus, Tylenchulus
- **Weeds:** Kills seeds of broadleaf and grassy weeds
- **Soil Insects:** Controls fungus gnats, root maggots, and wireworms

MITC disrupts cellular membranes and enzyme function in pests, with efficacy under both aerobic and anaerobic conditions.

Miticor 980 G Granular Soil Fumigant – Use Rates & Label Recommendations

SITUATION	TARGET PESTS	RATE	INCORPORATION DEPTH	APPLICATION METHOD	CRITICAL COMMENTS
Seed Beds	Germinating weed seeds, soil fungi (Pythium, Fusarium, Sclerotinia, etc.), soil insects, and non-cyst nematodes	34-48 g/m ² (336-480 kg/ha) Increase rate by 16 g/m ² per additional 10 cm soil depth.	10-23 cm	Incorporate thoroughly with rotary hoe, power rake, or manually in layers. Seal with plastic sheeting or cover.	Ensure soil is moist 5-7 days prior. Aerate 5-7 days after treatment. Wait 2-4 weeks post-aeration before planting. Conduct germination test prior to planting.
Bulk Soil	As above	144-211 g/m ²	30 cm	As above	As above

Application Procedure Summary

Parameter	Recommendation
Rate	336-480 kg/ha (34-48 g/m ²), depending on target pest and soil profile.
Soil Preparation	Till soil to a fine tilth. Remove plant debris. Ensure adequate moisture.
Application Depth	Incorporate to 10-15 cm (minimum).
Incorporation	Rotary hoe or power rake for uniform blending.
Sealing	Light rolling or optional tarp to trap MITC.
Moisture Activation	Light irrigation post-application may aid MITC release.
Aeration	10-21 days, longer in cooler soils (<10°C). Remixing may accelerate dissipation.
Plant-Back Interval	Minimum 2-4 weeks post-aeration. Always perform a germination test.

Environmental & Handling Considerations

- **Personal Protective Equipment (PPE):** Gloves, goggles, long sleeves, and respirator required during handling and application.
- **Re-Entry Interval (REI):** 48 hours.
- **Avoid Off-Target Movement:** Do not apply near waterways or prior to heavy rainfall.
- **Residue Profile:** Dazomet decomposes to non-persistent compounds under normal conditions.
- **Biological Compatibility:** Do not use with biological amendments or beneficial microbes until all fumigant residues have dissipated.
- **Safety:** Avoid inhaling dust or fumes; ensure adequate soil aeration before planting.

Turf-Specific Advantages

- Creates a pathogen and weed free base for new turf establishment.
- Enhances germination and root development in seeded renovations.
- Controls nematodes and fungi that limit turf performance in high-value areas (e.g., stadiums, golf greens).
- Ideal for use prior to hydroseeding or stolonising.

