



Soluble Liquid (SL)
Metam sodium 51 % w/v

NEW

RAISAN_{51SL}

Disinfectant for soil disinfection before planting crops. It fights certain nematodes, soil fungi and germinating weed seeds.
It acts with the vapors of methyl isothiocyanate produced during its decomposition in the soil.

PACKAGES:
5LT / 10LT / 20LT



Target: NEMATODES (Except for cyst nematodes such as *Heterodera*).

SOIL FUNGI *Phytophthora* spp, *Pythium* spp, *Sclerotinia* spp, *Fusarium* spp, *Verticillium* spp, *Rhizoctonia* spp.

WEEDS Germinating seeds of annual weeds at a depth of up to 25 cm (such as *Loofah*, *Black-eyed peas*, *Glystrida*, *Setaria*, *Wild tomato*, *Wild sorrel*, *Oxalida*, etc.).

Field of Application - Maximum application rate - Maximum no. Applications:

SOIL DISINFECTION BEFORE ESTABLISHING CROPS: Outdoor Vegetables and Ornamentals: Application by injection into the soil or through the drip irrigation system at a dose of 30 liters / acre or 300 cubic centimeters / 10 square meters of soil. One (1) application only every third year in the same soil.

SOIL DISINFECTION BEFORE ESTABLISHING CROPS: Greenhouse Vegetables and Ornamentals and Greenhouse Tobacco Sowing: Application through the drip irrigation system at a dose of 120 liters / acre or 1.2 liters/10 square meters of soil. One (1) application only every third year in the same soil.

Observations: 1. After at least eight (8) days have passed after the application of the preparation, a surface milling must be done to aerate the soil, but without mixing it with non-disinfected soil. 2. Application by injection: Do not use it at a distance of less than 3 meters from other crops. If drought prevails after the application of the preparation, light watering must be done in the following days. 3. Application through drip irrigation: The special plastic must remain after application during the waiting period before sowing or planting. 4. Application in greenhouses: There should be no other crops.

ADDITIONAL PRECAUTIONS: Before each application, professional users must inform residents within a distance of 200 meters of the planned application period. Seal doors, windows, vents, etc. tightly with additional material to prevent gas leakage into adjacent spaces, whether they are inhabited or have plants (greenhouses, etc.). Fields and greenhouses that are being disinfected must be marked with warning signs prohibiting entry (it is recommended to hang a sign on the outside of each door with the words "Entry prohibited" or "Disinfection in progress inside").

Specific agricultural, phytosanitary or environmental conditions under which the preparation may be used or excluded: Do not use when the temperature is above 32°C.

Safety interval between application and i) -sowing or planting of the protected crop, -sowing or planting of the following crops: a) 15 days in light or medium soils, b) 20 days in heavy, wet and cohesive soils, c) 30 days if low temperatures prevail during and after its application.

ATTENTION: In order to check whether there are any remaining vapors in the soil before sowing or planting crops, it is necessary to carry out a germination test/cress test (test using sensitive cress seeds). ii) access of humans or animals to the crop to which the preparation has been applied: For unprotected individuals: -24 hours in the field, -14 days in the greenhouse after complete ventilation. Workers may enter to ventilate the greenhouse 7 days after application (before the end of the safety period) but with 98% protection (wear chemical-resistant gloves and boots, cotton overalls, face mask with activated carbon filter (A2B2-P3) for gases and organic vapors, with a boiling point > 65°C) and must close the greenhouse entrance doors again after finishing their work until their ventilation is complete.

Information on phytotoxicity, variety sensitivity and any other side effects on plants or their products: The preparation is not phytotoxic to neighboring or subsequent crops as long as the recommended instructions and application doses are strictly followed.

Method of application: It is applied to the soil (which must be well-drained, not contain any residues of shoots or roots, have sufficient soil moisture - be at its core - and its temperature at a depth of 10 cm. should range from 10° - 25°C) at the desired depth, before sowing or planting the crops, uniformly on the sowing or planting lines:

a) With special injectors / in the field: The preparation is injected undiluted into the soil with special machines, adapted to a tractor, which incorporate the disinfectant at the desired depth and after the packaging is connected to the special position / storage of the machine. Knowing the speed of the tractor and the application surface, the rate of outflow (injection) from the special machines into the soil is calculated. Immediately after application, light irrigation with artificial rain is recommended, in order to create a surface crust and thus limit the escape of gases from the soil. If this is not possible, irrigation with 10-15 liters of water per square meter is recommended for seedbeds and 25-40 liters for other cases, so that the preparation goes to the required depth.

b) Through the drip irrigation system / in the field and in the greenhouse after covering the soil with plastic: The required amount of the preparation is added undiluted to the drip irrigation system. Large packages (barrel / tank) are connected directly to the drip irrigation system. Knowing the characteristics of the irrigation system (liters / time / dripper, number of drippers / application area and total application area), the time for introducing the quantity of the package into the application area through the drip irrigation system is calculated. The proportion in the total volume of water applied through the drip irrigation system should be 0.1% to 2%.

Compatibility: The preparation is not combined with other plant protection products. It is applied alone.

Instructions for the safe withdrawal of the package: Empty packaging containers or barrels should be rinsed with clean water under pressure with an appropriate mechanism or with a good triple rinse, avoiding water pollution.

DO NOT REUSE EMPTY PACKAGING MEDIA (BAGS/CONTAINERS) FOR ANY PURPOSE.

Last application before harvest or before placing on the market for post-harvest uses (days): Not applicable due to application time for the entire range of action.

Storage conditions, time stability of the preparation: Keep in its original closed packaging in a cool and shady place, away from acids and heat sources. Under these conditions it remains stable for two (2) years.

THE INFORMATION WRITTEN IN THIS FORM HAS AN INFORMATIONAL CHARACTER AND DOES NOT SUBSTITUTE IN ANY CIRCUMSTANCES.

PLANT PROTECTION PRODUCTS ARE INTENDED FOR USE BY PROFESSIONAL USERS.

INSTRUCTIONS FOR USE AND PRECAUTIONS, WRITTEN ON THE LABEL MUST BE OBSERVED.

FOR MORE INFORMATION CONTACT THE TECHNICAL DEPARTMENT OF OUR COMPANY OR CONSULT THE LOCAL AGRONOMISTS.

NitroFarm SA is certified with EN ISO 9001:2015 Quality Management System and EN ISO 14001:2015 Environmental Management System

111

03/2025



www.nitrofarm.gr



info@nitrofarm.gr



Free-phone: 800 11 820 820
+30 2310 553354-7,



Industrial Area of Sindos, SQ20,
B35-55, 57022, Thessaloniki

NitroFarm

— since 1976 —