

AMINOTOP MN

Contains: Amino acids 20%, Humic substances 2%, Seaweed extract 1%, Organically chelated manganese 0.2%

Amino acids - hydrolyzed proteins of vegetable origin

Humic substances - Humic acids, potassium salts

Seaweed extract (*Ascophyllum nodosum*) - obtained through physical treatments

Fertilizer

Product for foliar application

Formulations: suspension

Danger phrases

Not applicable

Precautionary statements

P501 – Dispose of contents/container in accordance with national/international regulations

The product can be used in organic farming according to Regulation (EC) 848/2018

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Batch. no: see above

Date of manufacture: see above

Validity period: 24 months

Storage: Store in a dry, cool and well-ventilated place. Storage temperature 5⁰ C – 25⁰ C.

Warning: Read the accompanying instructions before use.

Manufacturer: Norofert SA

Street LT. AV. Șerban Petrescu, No. 20, District 1,

Bucharest Romania

Phone: 0766 080 767

For your attention:

Shake the container vigorously for 15-20 seconds for good homogenization. By observing the indications presented, the product can be used for its intended purpose. The manufacturer declines any responsibility for damages due to storage, handling or use not in accordance with the recommendations on this label.

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Fertilizer**Product for foliar application**

Physico-chemical properties: is presented in the form of a brown suspension with a specific smell.

Mode of action:

Activates and intensifies physiological processes in plants throughout the growing season. High content of free amino acids (> 25% of the total) the only ones that are assimilated by plants. Amino acids are able to directly or indirectly influence the physiological activity of plants, with a fundamental role in the synthesis process of chlorophyll, in the functioning of stomata. Stimulating role of growth, flowering and fruiting processes, but also with a natural chelating effect of microelements. Some of the amino acids are basic elements of auxins, stimulating cell division and the development of the root system. It helps plants recover from periods of stress (frost, drought, hail, excess moisture, phytotoxicity created by phytosanitary products). It increases the resistance of plants to the attack of diseases and pests. In addition to this, the amino acids also have the function of wetting and adhesion of the spray solution on the surface of the leaf, thereby increasing the efficiency of phytosanitary treatments and/or treatments with foliar fertilizers. Manganese (Mn) is an important micronutrient for plant growth and development and supports metabolic roles in various plant cell compartments. Manganese is used in plants as a major contributor to various biological systems, including photosynthesis, respiration and nitrogen assimilation. Manganese is also involved in pollen germination, pollen tube growth, root cell elongation and resistance to root pathogens.

Mode of use:

Crop	Dosage
Sunflower	1 l/ha
Wheat	1 l/ha
Rapeseed	1 l/ha
Corn	1 l/ha
Soybeans	1 l/ha

Application time:

Sunflower: the product can be applied from the stage of 3-5 leaves until full bloom BBCH 13-65 (3 treatments), once every 2-4 weeks.

Wheat: throughout the growing season, from 2-5 leaves, twining, ear formation, flowering and until grain filling BBCH 12-75 (3 treatments), once every 2-4 weeks.

Rapeseed: apply from the 4-6 leaf stage until flowering BBCH 14-59 (3 treatments), once every 2-4 weeks.

Maize: From the 6-8 leaf stage to the beginning of panicle emergence BBCH 16-51 (3 treatments), once every 2-4 weeks.

Soybean: from leaf and branch development to early pod development BBCH 13-71 (3 treatments), once every 2-4 weeks.

Preparation of the solution:

Fill the tank of the treatment machine halfway, add the appropriate amount of product, and then top off with the rest of the water. Shake the spray solution well during filling and application. Clean water from known sources will be used.

Application technique:

Terrestrial equipment can be used for field application of the products, normally used for the crops mentioned above. Specific nozzles for foliar application will be used. The volume of solution used depends on the equipment used. It is recommended to use the solution volume of 200-400 l/ha, so that there is a good penetration and coverage of the culture. The solution will be applied immediately after mixing.

Application recommendations:

Do not keep the prepared solution overnight. Avoid applying in the middle of the day when temperatures exceed 25°C. If it rains shortly after application, it will be necessary to repeat the treatment. Not applicable when wind speed favors drift beyond the treatment area.

Compatibility: it can be used in a mixture with other plant protection products, but for combinations where compatibility is not known, a test is recommended beforehand.

Break time: 0 days

Equipment Cleaning: Equipment will be pressure washed before and after application, and particularly if a product that could damage the crop has been used prior to Aminotop MN.

Hygiene measures and work protection:

Avoid contact with skin, eyes and clothing. Do not breathe vapors/aerosols. Use personal protective clothing. Wear protective gloves, protective clothing and eye protection or face protection. Keep work clothes separate. Sufficient ventilation and ventilation of the workplace and storage. Do not eat, drink or smoke during use. Keep away from food, beverages and feed products, seeds or their packaging. Hands and/or face must be washed before breaks and at the end of the work schedule. Keep out of reach of children and other unauthorized persons, and in animal access areas. If medical advice is necessary, keep the product container or label close at hand. After using the product, thoroughly wash the parts of the body that have been contaminated. Do not remove contaminated work clothing outside the workplace.

First aid measures:

Remove all contaminated clothing immediately. Keep the product container, label or safety data sheet in case you consult a doctor.

- after inhalation: rest, fresh air, medical assistance.
- after skin contact: Wash off immediately with plenty of soap and water. If irritation persists, call a doctor.
- after contact with the eyes: wash the affected eyes, with the eyelids open, for at least 15 minutes under running water.
- after ingestion: vomiting will not be induced. It will rinse the mouth very well. A doctor will be notified immediately.

Indications for the doctor: no specific antidote is known. It will be treated symptomatically.

Environmental protection measures:

Do not discharge on the ground/basement. Do not empty into drains/surface water/ground water. To prevent by any means that the product reaches the surface waters.

Disposal of empty packaging:

After emptying, the packages are rinsed three times, and the resulting water is added to the spray solution. They will be collected and handed over to a company dealing with packaging recycling/neutralization. Do not reuse empty packaging for other purposes.

Fire prevention and extinguishing measures:

Suitable extinguishing media: water spray, dry powder, sand, alcohol-resistant foam, carbon dioxide. Unsuitable: strong water jet. Full protective equipment and self-contained breathing apparatus will be worn. In case of fire and/or explosion do not inhale the smoke. Keep containers cool by spraying with water if exposed to fire. Collect the extinguishing water separately; discharge into sewers or rainwater systems is not permitted. Dispose of combustion residues and contaminated water according to the regulations in force.

Measures in case of spills or accidental losses:

It will be absorbed with an inert absorbent material (eg sand, silica gel, universal binder, sawdust). The product will be collected and stored in a tightly closed and airtight container. The contaminated surface will be carefully cleaned. Contaminated wash water shall be conserved and disposed of. Personal protective equipment will be used.

Storage and transport conditions:

It will be stored in a dry, cool and well-ventilated place accessible only to authorized personnel. It shall be protected from direct sunlight and protected from frost. Keep away from food, drink and animal feed. Keep container tightly closed. Storage temperature 5 C – 25 C. The characteristics of the product may change if it is stored for a longer time at temperatures higher than those indicated. During handling, transport and storage, labor protection measures, PPE, etc. will be taken. During transport, the product will be protected from weather and heat.

Shelf life: two years from the date of manufacture.

To the attention of the user: following the indications presented, the product can be used for its intended purpose. The manufacturer declines any responsibility for damages due to storage, handling or use inconsistent with the recommendations on this label. Telephone number that can be called in case of emergency: National number for emergency cases: 021 318 36 06 Bucharest Public Health Institute (Mon-Fri: 8.00-15.00).