

AMALGEROL



Fertilizer type: PFC 6(B): NON-MICROBIAL PLANT BIOSTIMULANT

Physical form: Liquid

Ingredients above 5% by product weight:

Mineral oil¹ (CAS No not available [EC No 919-857-5] and 64742-95-6), Ascophyllum nodosum seaweed extract¹ (CAS No 84775-78-0), Polyglycol ester¹ (CAS No not available).

Additional components:

Essential oils¹, Herbal extracts¹.

¹CMC 1: Virgin material substances and mixtures

Manufacturer and Distributor: Hechenbichler GmbH

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GENERAL SPECIFICATIONS

AMALGEROL is a non-microbial plant biostimulant for agriculture and horticulture.

GENERAL DIRECTIONS

General application rate for soil and foliar applications: 2 to 5 l/ha per application. Different application rates are recommended in some specific crops and application methods. Application frequency as detailed below; additional applications are possible every 10 - 14 days.

Water volume: Use a sufficient water volume to ensure thorough coverage of soil and foliage.

Soil application: AMALGEROL can be applied to crops via soil treatments by direct spraying onto the soil, sidedress treatments, applications through the irrigation system or during seeding. DRIP IRRIGATION/FERTIGATION: 10 to 15 l per season split according to the watering schedule used.

Foliar application: AMALGEROL can be applied to crops by foliar treatment throughout the entire vegetation cycle. Applications are recommended at the most important growth stages, especially at the beginning of the crop cycle, flowering and fruit setting stages.

INSTRUCTIONS FOR USE

Crops	Application rates	Application method	Application stage	Application number	Claims
Broadacre crops	5 l/ha	Foliar spray	Throughout the vegetation cycle	1 to 3	Improved quality trait: Increased yield

ADDITIONAL USE RECOMMENDATIONS

FIELD CROPS

All FIELD CROPS: Before cultivation or tillage: spread into the seed furrow for sowing or spray and work in immediately before preparing the seedbed. After the harvest: apply to harvest residues in autumn and work in gently.

Cereals (wheat, barley, oat, rye, triticale, rice, other cereals): 1 to 3 applications throughout the vegetation cycle.

Maize (grain, feed, silage): 1 to 3 applications throughout the vegetation cycle.

Oilseed crops (oilseed rape, linseed, sesame, sunflower, poppy, etc.):

1 to 3 applications throughout the vegetation cycle.

Potato and other tuberous crops: 1 to 3 applications throughout the vegetation cycle.

Sugarbeet: 1 to 3 applications throughout the vegetation cycle.

Fiber crops (cotton, flax, hemp, etc.): 1 to 3 applications throughout the vegetation cycle.

Leguminous crops (bean, chickpea, lentil, lupin, pea, soybean): 1 to 3 applications throughout the vegetation cycle.

Tobacco: 1 to 3 applications throughout the vegetation cycle.

VEGETABLES

All VEGETABLES: Before cultivation or tillage: spread into the seed furrow for sowing or spray and work in immediately before preparing the seedbed. After the harvest: apply to harvest residues in autumn and work in gently.

Leafy or stem vegetables (artichokes, asparagus, cabbages, cauliflower, broccoli, lettuce, spinach, chicory, etc.): 1 - 3 applications throughout the vegetation cycle. In case of transplanting, first application one week after transplanting.

Fruit-bearing vegetables (cucumber, eggplants, tomato, pepper, chili, pumpkin, okra, etc.): 1 - 3 applications throughout the vegetation cycle. In case of transplanting, first application one week after transplanting.

Root, bulb or tuberous vegetables (carrot, turnip, garlic, onion, leek, etc.):

1 - 3 applications throughout the vegetation cycle. In case of transplanting, first application one week after transplanting.

FRUITS & NUTS

All FRUITS & NUTS: Up to 10 l/ha for soil applications in early spring for fruit trees and grape vines.

Tropical and subtropical fruits (avocado, banana, date, fig, mango, etc.): 1 to 5 applications throughout the vegetation cycle.

Citrus fruits (grapefruit, lemon, orange, tangerine, etc.): 1 to 5 applications throughout the vegetation cycle.

Grapevine: 1 to 5 applications throughout the vegetation cycle.

Berries (currant, gooseberry, kiwi, raspberry, strawberry, blueberry, cranberry, etc.): 1 to 5 applications throughout the vegetation cycle.

Pome fruits & stone fruits (apple, apricot, cherry, sour cherry, pear, plum, etc.): 1 to 5 applications throughout the vegetation cycle.

NET VOLUME: 10 l

NET WEIGHT: 9,7 kg

Nuts (almond, chestnut, hazelnut, pistachio, walnut, etc.): 1 to 5 applications throughout the vegetation cycle.

Olive: 1 to 5 applications throughout the vegetation cycle.

ORNAMENTAL CROPS

Annual plants: 1 to 5 applications throughout the vegetation cycle. In case of transplanting, first application one week after transplanting.

Perennial plants (herbaceous, shrubs & trees): 1 to 5 applications throughout the vegetation cycle.

PRE-TRANSPLANTATION APPLICATION

Immerse plants in a 1 % working solution for 10 minutes before transplantation, or spray on the row before transplantation.

LAWN (TURF)

Dosage rates & timing of application

0,75 to 1,5 l per 1000 m² AMALGEROL per application in minimum 100 l water per 1000 m² (corresponds to 7,5 to 15 l/ha AMALGEROL per application in minimum 1000 l water per ha).

Apply via sprinkler irrigation or spraying.

After the application of AMALGEROL, irrigation is recommended to ensure penetration of the root zone with AMALGEROL.

Typical applications

Existing Turf: 2 to 3 days after cutting, repeat treatment every 4 to 6 weeks (5 to 10 applications per year).

New rolled turf: directly after deploying of the sods.

New seeding: after seeding or emergence.

HOBBY GARDENING

Timing of application: during the vegetation period at intervals of 1 to 2 weeks.

Dosage rate of working solution: 10 ml AMALGEROL in 1 l of water; use the prepared fertilizer solution completely within one day.

Methods of application

Soil application with watering (watering can): apply 1 l fertilizer solution per m².

Foliar application by spraying (spray bottle or garden sprayer).

Pre transplantation application: immerse plants in the working solution for 10 minutes before transplantation.

MIXING INSTRUCTIONS

Shake the container thoroughly before opening and use! Stir containers!

Fill the sprayer with half the amount of water required and begin agitation before adding AMALGEROL while maintaining agitation. Add other products and the remaining water. Keep mixing constantly throughout spraying. Wear safety glasses. Do not inhale spray mist. Clean the equipment according to the instructions after use. Spray in the morning or evening. Do not keep the prepared spray solution in the sprayer for extended periods (such as breaks or overnight). Do not apply under adverse weather conditions, such as extreme temperatures, high wind speed, high light levels or after heavy rain. Spray applications are only recommended when the wax layer is intact.

Compatibility: AMALGEROL is compatible with most pesticides and other products. However, when using multiple products in the spray tank, interactions can occur. Conduct mixability and compatibility tests before combining AMALGEROL with pesticides, fertilizers or other products. Read and follow all instructions for use on each product involved in tank mixing.

HANDLING INSTRUCTIONS

Hazard statement:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe mist/vapours/spray.

P273 Avoid release to the environment.

Avoid contact with skin, eyes, inhalation and ingestion. Do not eat, drink or smoke during work. Wash hands after using this product. Wear protective clothing and safety glasses. In case of eye contact: Immediately rinse with plenty of water for a prolonged period while holding the eyelids wide open. In case of inhalation: Supply fresh air. In case of ingestion: Rinse mouth and drink plenty of water; do not induce vomiting. Seek medical advice/attention if you feel unwell and show the label or material safety data sheet.

Storage: Store the product in its original packaging in dry, ventilated places between +5 °C and +25 °C. Protect from frost, heat and direct sunlight. Keep the container tightly sealed. Do not store near food or feeding stuff. Keep out of reach of children and pets.

Shelf life: In case of proper storage, AMALGEROL is usable for at least 18 months from the production date.

Batch number: See imprint.

Production date: See imprint.

Expiry date: 18 months from production date (see imprint).

Disposal: If possible, use up all the product. Dispose of residues according to local and national guidelines of authorities. Dispose emptied containers in assigned collection points.

