



BlueN™

NUTRIENT EFFICIENCY BIOSTIMULANT

TO INCREASE NUTRIENT EFFICIENCY, UPTAKE AND AVAILABILITY.

Composition:

Methylobacterium symbioticum SB23, 3 x 10⁷ CFU/g
Wettable Powder

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE

Registration holder: Symborg Business Development S.L.
Avda. Jesús Martínez Cortado, 51. P.I. Cabezo Cortado, 30100, Murcia, Spain

Manufactured by: Symborg Business Development S.L.
Avda. Jesús Martínez Cortado, 51. P.I. Cabezo Cortado, 30100, Murcia, Spain

Distributed by: Corteva Agriscience UK Limited,
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Telephone: (01462) 457272

24 Hour Emergency Telephone Number: 0161 884 1235
Technical Hotline: +44 (0)800 689 8899, e-mail: ukhotline@corteva.com
National Poisons Information Service: 111

Lot Number: See packaging
Manufacturing date: See packaging
Expiration Date: See packaging

BlueN Technology

Powered by Symborg

NET CONTENT: 3 KG

Precautionary statements

Follow the instructions for use to avoid risks to human health and the environment.

- P102: Keep out of reach of children.
- P261: Avoid breathing dust.
- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P391: Collect spillage.
- P280: Wear protective gloves, goggles, and protective mask.
- EUH 501: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Contains microorganisms. May cause allergic reactions. The use of respiratory protection equipment, disposable respirator, or filter mask, at least N99 (EN 149 FFP3) or equivalent, is recommended when handling the preparation or applying the product.

First Aid Measures

Recommendations for Doctor. First aid measures general:

Never give anything by mouth to an unconscious person. If you feel unwell or experience respiratory symptoms, contact a doctor or call an anti-poison centre. If medical advice is needed, have product container or label at hand.

In case of inhalation: Bring the subject to fresh air. If breathing stops, give artificial respiration. Call a doctor.

In case of contact with skin: Remove contaminated clothes. Wash with plenty of water. If skin irritation occurs, contact a doctor for medical advice.

In case of contact with eyes: Rinse cautiously with water for several minutes keeping the eyes wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, contact a doctor for medical advice.

If swallowed: Rinse mouth. Do NOT induce vomiting. Call a doctor or Poison centre immediately.

DO NOT LEAVE THE PATIENT ALONE.

Therapeutic advises: Symptomatic treatment

Call a doctor if you feel unwell. Have the product container or label at hand.

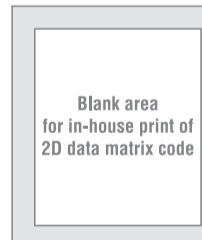
Environmental risk mitigation: DO NOT CONTAMINATE WATER with the product or its container. (Do not clean application equipment near surface water/ avoid contamination via drains from farm yards and roads).

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/sds/BLUE-N-SDS.pdf>

Alternatively contact your supplier



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NUTRIENT EFFICIENCY BIOSTIMULANT

TO INCREASE NUTRIENT EFFICIENCY, UPTAKE AND AVAILABILITY.

Mode of Action: Increase nutrient use efficiency through fixation of atmospheric nitrogen (N₂) and by increasing photosynthesis efficiency of the plant.

BlueN™ contains an exclusive strain of *Methylobacterium symbioticum* SB23, a nitrogen fixing bacteria characterised by its ability to fix atmospheric nitrogen into a nitrogen source that can be assimilated by the crop. After application, the bacteria present in BlueN™ rapidly colonises the plant's phyllosphere and multiplies during normal growth. BlueN™ provides a natural nitrogen source to the crop through atmospheric nitrogen fixation and symbiotic interaction with a crop.

Authorised uses:

BlueN™ is intended for foliar application.

| Crops* | Application Rate (g/ha) | Time of application** | Water volume l/ha |
|---|-------------------------|---|-------------------|
| Arable crops – apply when at least 50% of the ground is covered by crops | | | |
| Winter cereals | 333 | Apply between middle of tillering (BBCH 25) and beginning of flowering (BBCH 61) | 100-250 |
| Spring cereals | | Apply between middle of tillering (BBCH 25) and 2 nd node stage (BBCH 32) | 100-250 |
| Winter oilseed rape | | Apply at 4-6 leaf stage in autumn BBCH 14-16 or in the spring from rosette stage (BBCH 30) up to the end of mid flowering stage (BBCH 69) | 100-250 |
| Spring oilseed rape | | Apply from 4-6 leaf stage up to the end of mid flowering stage (BBCH 69) | 100-250 |
| Maize | | Apply between 4-8 true leaves (BBCH 14-18) | 100-300 |
| Grain legumes | | Apply between 4 and 8-leaf stage (BBCH 14-18) | 100-250 |
| Grassland | | Apply between beginning of tillering stage (BBCH 21) and flag leaf stage (BBCH 39) | 100-250 |
| Potatoes | | Apply between closing rows stage (BBCH 25) and beginning of flowering (BBCH 61) | 100-400 |
| Sugar beet | | Apply between BBCH 14 – BBCH 39 | 100-400 |
| Horticultural crops - apply when at least 50% of the ground is covered by crops | | | |
| Chard, garlic, artichoke, celery, broccoli, onion, green onions, cabbage, cauliflower, escarole, white asparagus, green asparagus, spinach, pea, broad bean, sweet beet, fennel, lettuce, leek, radish, and carrot, Lucerne | 333 | Apply between 4-leaf stage (BBCH 14) and beginning of flowering (BBCH 61) | 100-400 |
| Strawberry, blueberries, raspberries, blackberries, currants, cranberries | | Apply between 5-leaf stage (BBCH 15) and beginning of flowering (BBCH 61) | 100-400 |

* For other crops and/or more information, consult with Corteva hotline.

** The BBCH growth stages are approximate and may vary depending on the weather conditions and agricultural practices. Apply during periods of active growth.

Take care to avoid drift through the use of drift reduction technology and applying during periods of low wind speeds.

Recommendations for use

- Conditions of use

Slurry pH: Do not incorporate the product into a slurry with a pH less than 5 or more than 8. Observe a chlorine content of the slurry water of less than 2 ppm.

Apply in the morning to facilitate the penetration of the bacteria into the plant.

It is recommended to apply during the period of maximum opening of the stomata at temperatures between 10°C and 30°C.

Crop Condition: Apply during active crop growth.

- Precautions of use

Do not apply to crops under stress. Stress can be caused by many factors including drought, frost, ground compaction, water-logging, trace element deficiency, disease and pest attack etc.

Rainfastness: if there is a risk of rain, observe a minimum delay of more than 1 hour between the application of the product and the rain event. If these conditions are not met, re-apply the product.

- Compatibility

Application combined with chlorinated products or water (> 2 ppm Cl⁻) is not recommended, nor surfactants, fertilisers or plant protection products that contain them.

BlueN™ has been tested in mixture with various plant protection products, fertilisers and adjuvants. For more information on compatibility, please contact Corteva Agriscience technical hotline.

Any mixtures should be applied within 6 hours after preparation.

Storage and Disposal

Keep the product only in its original packaging, away from food and drink, including those for animals. Keep out of the reach of children and unauthorised personnel.

Store the product at room temperature, in a well-ventilated area and in the original container. Do not expose to temperatures below 4°C or above 35°C. Keep the product tightly closed. After opening a pack, the product should be used quickly.

Rinse the container thoroughly three times with clean water, making sure to pour the rinsing water into the sprayer tank. Empty packaging should be disposed of according to local requirements. Reuse of packaging is prohibited.

SAFETY PRECAUTIONS

Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

- Sprayer cleaning

The entire sprayer (tank, boom, sump, circuit, nozzles, etc.) must be rinsed with clean water in accordance with the regulations in force.

- In the event of a spill

Wear suitable protective clothing, gloves, and eye or face protection. Secure the area.

Collect anything that may have been in contact with the product.

Clean the site and the equipment used, taking care to contain the effluents generated by the cleaning operation. Dispose of them according to the regulations in force.

WARNING

Any total or partial reproduction of this label is prohibited.

The manufacturer offers this product under the following agreed conditions and sales guarantee:

The conditions of use of the product have been determined following rigorous tests and trials. However, it is impossible to take into account all the variables and eliminate all the risks associated with its use. Injury or damage may result from conditions beyond the control of the manufacturer. The manufacturer only guarantees that this product conforms to its composition appearing on the packaging and that it is considered to be reasonably suitable for the purposes referred to under normal conditions of use. Under no circumstances should the manufacturer be held responsible for indirect or specific damage resulting from the use or handling of the product. Any deviation from this warranty can only be valid if it is issued in writing by an authorised legal representative of the manufacturer.

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Blank area
for in-house print of
2D data matrix code