

Enrich your crop

syngenta®  
Biologicals

NUTRIENT USE EFFICIENCY



NUTRIENT (NITROGEN) USE EFFICIENCY BIOSTIMULANT BASED ON NITROGEN-FIXING MICROORGANISM

VIXERAN® contains the endophytic bacterium *Azotobacter salinestris* strain CECT 9690, which fixes nitrogen (N) from the air and converts it into a form that can be absorbed by the plant. The microorganism will colonise both the leaf and the root, releasing nitrogen to the plant. VIXERAN® is a microbial plant biostimulant that improves crop yield.

**Manufacturer**

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**Distributor**

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**In case of toxic or transport emergency ring  
+44 (0)1484 538444 any time**

**SAFETY PRECAUTIONS**

**(a) Operator protection**

Contains *Azotobacter salinestris*, microorganisms may have the potential to provoke sensitising reactions.

Keep out of the reach of children.

Do not breathe dust.

Do not eat, drink or smoke when using this product.

Wear protective gloves/ protective clothing/ eye protection/ face protection type FFP3.

Do not ingest. In case of contact with the eyes and/or mucous membranes, wash the affected area with plenty of water.

The use of respiratory protection equipment (disposable respirator or filtering mask, at least EN 149FFP3 or equivalent) is recommended when

handling the preparation or applying the product. Avoid contact with skin and eyes.

Apply with appropriate health precautions and respect safety practices. Use appropriate personal protective equipment and wash hands after using the product.

**(b) Environmental Protection**

Do not exceed the recommended dose rates.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water.

Avoid contamination via drains from farmyards and roads.

Do not dispose of container in the environment.

**(c) Storage and disposal**

Product is stable under storage and disposal recommended instructions.

Keep containers tightly closed and in original containers when not in use in fresh and well aerated location, with temperature between 5° and 35° C.

Avoid direct sunlight and other heat sources.

The product is not combustible.

The container cannot be reused.

Dispose of contents/container in accordance with current legislation.

Microbial Plant Biostimulant PFC 6 (A)

Manufacturing date: see on the package.

Expiry date: 2 years from production date.

MODE OF APPLICATION



SOIL/ROOT



FOLIAR



250 g



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## COMPOSITION

CMC1: Dextrose (CAS Number 50-99-7)

CMC7: *Azotobacter salinestris* CECT 9690

Microorganisms concentration:  $1 \times 10^7$  CFU/g as a wettable powder.

To access the Safety Data Sheet for this product, scan QR code:



Alternatively, contact your supplier.

## DIRECTIONS FOR USE

BEFORE APPLYING THE PRODUCT, READ THE LABEL CAREFULLY.

## GENERAL INFORMATION

### Dose and Application Methods

VIXERAN<sup>®</sup> can be applied to arable crops and grassland by foliar spray application with a recommended water volume of 200-400 l/ha. It is important that both the crop and the soil are in contact with the product when spraying, to ensure the product can colonise both the leaves and the roots.

For vegetables and perennial crops, it is recommended to apply the product by fertigation and any other application system that allows the product to be located close to the rhizosphere is also possible. Generally, VIXERAN<sup>®</sup> can be applied during the whole crop's growth cycle however, we recommend the following timing of application:

Crop	Dose rate	Recommended timing of applications	Recommended number of applications	Claim
Broadacre crops (combinable and processing products included)	50 g/ha	From pre-sowing to harvest	1 to 2	Nutrient Use Efficiency (Nitrogen)
Vegetables, ornamental AMPP (Aromatic and Medicinal Plant) crops		From sowing/transplant to harvest	Up to 4	
Woody perennial crops		From beginning of vegetation period to harvest	Up to 3	

## TANK MIXING

VIXERAN<sup>®</sup> is compatible with the majority of fertilizers and agrochemicals normally used. For more information, please contact the manufacturer. Check the compatibility list on the website: [www.syngenta.co.uk](http://www.syngenta.co.uk).

The addition of a prebiotic product such as products based on amino acids or seaweeds can contribute to help the establishment of the microorganism under certain circumstances (stressed plants, shortly before stress events, soil with low organic matter)

## MIXING

When preparing VIXERAN<sup>®</sup> for application:

The agitation mechanism in the spray tank must be turned on before adding VIXERAN<sup>®</sup>.

Gradually pour the VIXERAN<sup>®</sup> into the water, stirring continuously. If possible, it is recommended to first make a preliminary solution (recommended concentration is 10%, e.g. 50g VIXERAN<sup>®</sup> in 0.5 L water), whereby VIXERAN<sup>®</sup> is poured into the water while stirring. To avoid suspension issues at low temperatures (5-10 °C) stirring is even more important, if possible, use lukewarm water.

If using VIXERAN<sup>®</sup> in combination with crop protection products, it is advisable to add VIXERAN<sup>®</sup> after the crop protection products into the spray tank.

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## APPLICATION

For best results:

Apply in the morning or late afternoon.

Avoid applying to crops under stress conditions.

It is recommended to apply at a temperature above 5°C and to avoid application if long periods of low temperature are expected (below 10°C).

## COMPANY ADVISORY INFORMATION

The manufacturer guarantees the composition, formulation and content, and the user will be responsible for damages caused by total or partial non-observance of the label instructions.