

Enrich your crop

syngenta®  
Biologicals

NUTRIENT USE EFFICIENCY



**Nuvenio**®

### Microbial Plant Biostimulant PFC6 (A)

**NUVENIO® is a nutrient (nitrogen) use efficiency biostimulant based on a nitrogen-fixing microorganism that improves crop yield. NUVENIO® is a wettable powder containing the endophytic bacterium *Azotobacter salinestris* strain CECT 9690.**

#### Manufacturer

CERES BIOTICS TECH, S.L.  
Mar Tirreno 8, Naves C27-C29,  
28830 San Fernando de Henares, Madrid, Spain  
Tel: +34 919 20 35 49

#### Distributor

Syngenta UK Limited  
Jealott's Hill International Research Centre,  
Bracknell, Berkshire, RG42 6EY  
Tel +44 (0) 1223 883400

**In case of toxic or transport emergency ring  
01484 538444 any time**

PROTECT FROM FROST.  
SHAKE WELL BEFORE USE.

#### SAFETY PRECAUTIONS

##### (a) Operator protection

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.  
Contains *Azotobacter salinestris*, microorganisms may have the potential to provoke sensitising reactions.  
Do not ingest. In case of contact with the eyes and/or mucous membranes, wash the affected

area with plenty of water.  
Avoid contact with skin and eyes.

##### (b) Environmental Protection

Do not exceed the recommended dose rates.  
Do not dispose of the container in the environment.  
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.

The container cannot be reused.

##### (c) Storage and disposal

Product is stable under storage and disposal conditions.  
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.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.  
Add washings to sprayer at time of filling and dispose of safely.



#### MODE OF APPLICATION



SOIL/ROOT



FOLIAR



250 g

Product names marked ® or ™ and the Syngenta Logo are Trademarks of the Syngenta group of companies

L1140392 GBRI/07D

## COMPOSITION

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

CMC7: *Azotobacter salinestris* strain CECT 9690 at  $1 \times 10^7$  CFU/g as a wettable powder.

## DIRECTIONS FOR USE

BEFORE APPLYING THE PRODUCT, READ THE LABEL CAREFULLY.

## GENERAL INFORMATION

Microbial Plant biostimulant PFC 6 (A)

NUVENIO® 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.

NUVENIO® is a microbial plant biostimulant that improves crop yield.

## Dose and Application Methods

NUVENIO® is applied to arable crops 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 exposed to the product when spraying.

This will enable the colonization of both the leaves and the roots of the crop. For vegetable and perennial crops, it is recommended to apply the product by fertigation and any other application system that allows the product to be applied as close to the rhizosphere as possible. Generally, NUVENIO® 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	Recommended water volume (lt/ha)
Cereals	50 g/ha	GS13-16 (three leaves unfolded - six leaves unfolded) GS22-33 (two tillers detectable - node three at least 2cm above node 2)	1 to 2	100-400
Pulses		GS16 (six leaves unfolded) to start of flowering	1	
Maize		GS12-16 (two leaves unfolded - six leaves unfolded)	1	
Oilseed rape		GS11-16 (first leaf unfolded - six leaves unfolded) GS29-31 (End of shoot development - one visibly extended internode)	1 to 2	
Potato		From in-furrow to start of flowering	1 to 3	
Sugar beet, fodder beet		GS12-16 (two leaves unfolded - six leaves unfolded)	1	
Cover crops		1 week post emergence	1	
Permanent grassland		Early spring, then 1 week after every cut	1 to 4	
Vegetables, ornamental aromatic and medicinal plants		From sowing/transplant to harvest	1 to 4	
Woody perennial crops		From beginning of vegetation period to harvest	1 to 3	

Claim: Nutrient Use Efficiency (Nitrogen)

## TANK MIXING

NUVENIO® is compatible with many fertilisers, biostimulants and crop protection products.

For more information, please contact the manufacturer. Check the compatibility list on the website: [www.syngenta.co.uk](http://www.syngenta.co.uk).

Dilute any tank mix partners with water first before adding the NUVENIO®.

## FOLLOWING CROPS

There are no restrictions on crops following an application of NUVENIO® in the previous season.

## MIXING

When preparing NUVENIO® for application:

- Gradually pour the NUVENIO® into the spray solution, stirring continuously to achieve a uniform suspension.
- It is recommended to pre-dilute NUVENIO® with a small quantity of water prior to pouring into the spray tank.
- The spray mix must be kept agitated during mixing and application.
- Avoid low water temperatures below 5°C.

L1140393 GBRI/07D

## APPLICATION

For best results:

- Ensure good leaf coverage.
- The crop must be actively growing at the time of application.
- Do not apply when air temperature is below 5°C
- Low average day temperatures (less than 10°C) post application will reduce colonisation speed.

## After spraying

Thoroughly wash all spray equipment with water immediately after use.

## 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.

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



Alternatively, contact your supplier.