CILUS[®] PLUS



Increasing yield and quality at harvest

Cilus® Plus is a microbial preparation containing a very high concentration of Bacillus amyloliquefaciens strain IT45 isolated through Lallemand Research.

Benefits

- Increasing number of tubers.
- Increasing yield of targeted calibres.
- Improving visual quality of tubers.

Modes of action

The Bacillus IT45 bacteria contained in Cilus® Plus multiply and quickly colonise the rhizosphere (zone near the roots) by feeding on root exudates.

In return, this bacterial population brings several benefits to the plant:

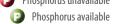


Solubilises phosphorus:

+28% of Phosphorus available in the rhizosphere*



Phosphorus unavailable





Stimulates growth of efficient roots (root hairs):

+20 % of root biomass*

Increase in the area for interception of nutrients



Probiotic effect:

Rhizosphere occupation by beneficial microbes.

*Results obtained from a series of tests over 10 years.

Characteristics



Bacillus amyloliquefaciens strain IT45

Active substance:

2.1010 CFU/q of Bacillus amyloliquefaciens strain IT45

Formulation type:

Wettable powder

Packaging:

200g bag

Usable in organic farming











Crop type	Dose	Period	Application method
Potatoes	200 g/ha	Before planting (max 12 hours)	Full cover soil spraying /dropshing
		Before ridging (max 12 hours)	Full cover soil spraying/drenching
		At planting in the furrow	Localised in-furrow spraying/drenching

Compatibility: for any mixing with chemical products, ask your distributor.

Conditions at applications: - optimal temperature between 10°C and 30°C.

- apply preferably in humid conditions.do not apply on dry soils and in high temperature periods.

Results

■ Increasing marketable yield and improving visual quality of tubers.



Trial on BROVARY KARTOPLYA Farm Ukraine, 2017

Planting 30/04/2017 Application At planting

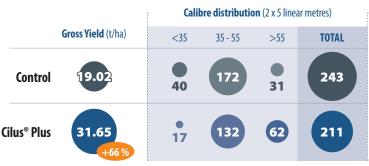
Variety

Arrow (Agrico)

Type of soil Sandy half clay



Irrigated regime





% of tubers affected with

Scab

9.00

Rhizoctonia

0.25



Non-irrigated regime

		Calibre distribution (2 x 5 linear metres)				
	Gross Yield (t/ha)	<35	35 - 55	>55	TOTAL	
Control	18.62	47	167	• 4	218	
Cilus® Plus	19.55	46	191	• 12	249	

LALLEMAND PLANT CARE





