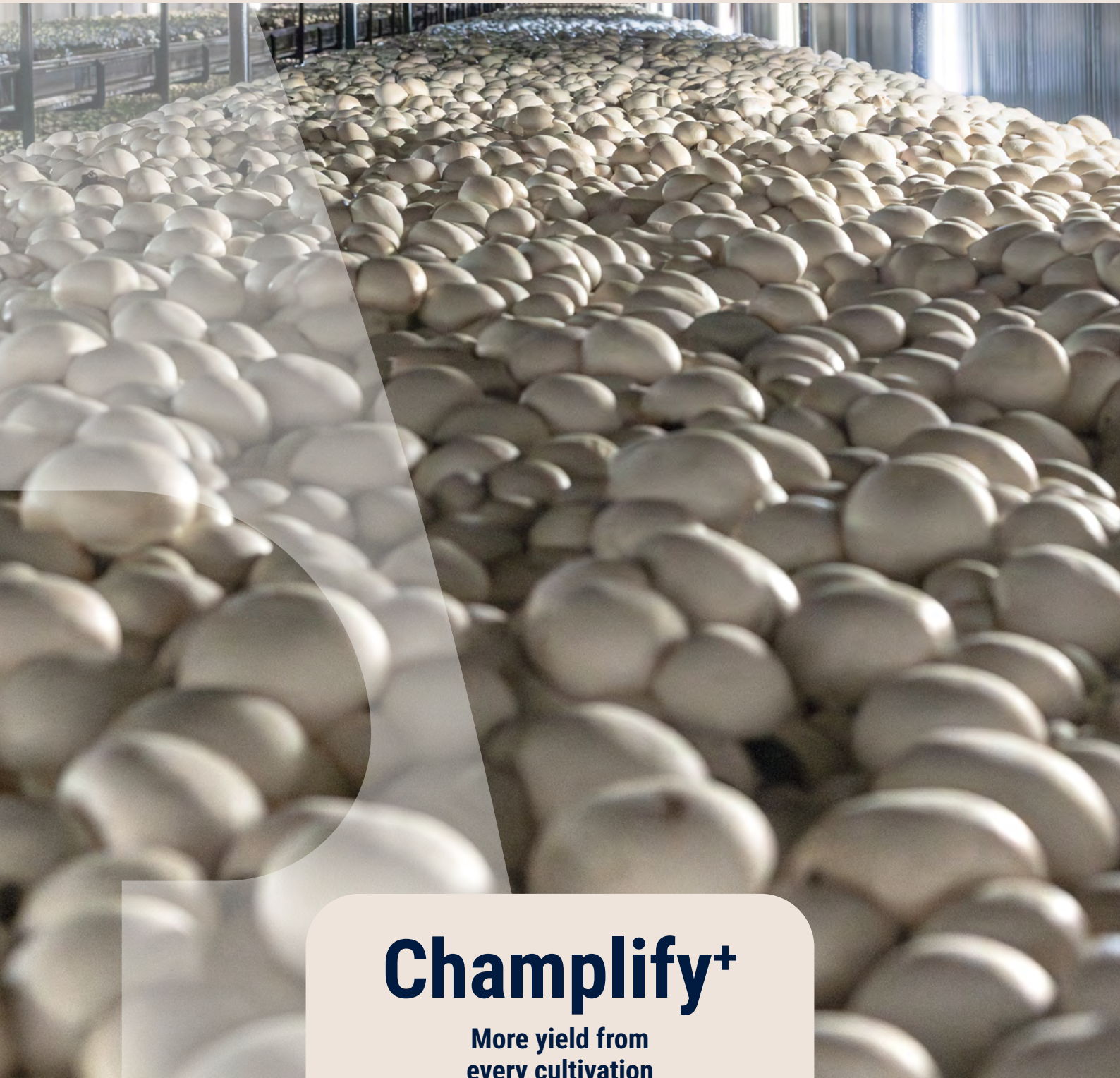


# CHAMPLIFY

PROFESSIONAL MUSHROOM CULTIVATION



**Champlify<sup>+</sup>**

More yield from  
every cultivation

# Why Champlify<sup>+</sup>

## for mushroom cultivation

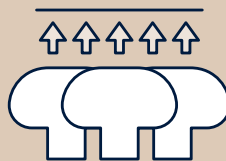
Professional mushroom cultivation today requires more than just good compost and a stable cultivation schedule. Growers are looking for higher yields, better uniformity, and maximum control, without added complexity in the cultivation process.

Champlify<sup>+</sup> activates the natural processes in the compost. By improving the availability of nutrients in the compost and stimulating beneficial micro-organisms, the growth potential is used more efficiently.

## Improved cultivation efficiency



**Higher  
yield**



**Improved uniformity  
across the bed**



**Lower  
total costs**

### Proof from practice and research

The development of Champlify<sup>+</sup> is based on multiple practical trials and applied research within the professional mushroom sector.

Champlify<sup>+</sup> is a biostimulant additive specifically developed for the professional cultivation of mushrooms. Champlify<sup>+</sup> integrates in the existing cultivation system and strengthens processes that already naturally take place in the compost.

Because there is less competition for nutrients, mushrooms grow more evenly. This translates directly into a more consistent harvest image and better utilisation of the cultivation surface.

# Higher yield

The use of Champlify+ results in a significantly higher yield during mushroom cultivation.

Over a full cultivation cycle of 3 flushes, Champlify+ increases mushroom yield by 8%.

This result is based on an extensive practical test carried out in autumn 2025/early 2026 at a large mushroom cultivation facility using mechanical harvesting.



**Experimental setup**  
Cultivation area: 1478.4 m<sup>2</sup>, divided over 2 columns, each with 7 cultivation beds.

Control 7 replications	Champlify+ 7 replications
105,6 m <sup>2</sup>	105,6 m <sup>2</sup>
105,6 m <sup>2</sup>	105,6 m <sup>2</sup>
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**Schematic overview of the experimental design.** Front view of the application on 14 cultivation beds in one cultivation cell.

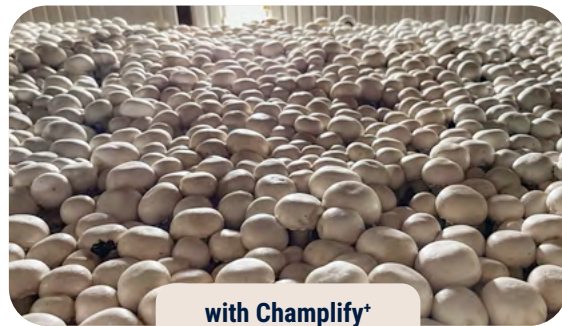
Yield	Result Champlify+ (kg/m <sup>2</sup> )
flush 1 (day 16)	+ 10,8%
flush 2 (day 25)	+ 2,3%
flush 3 (day 37)	+ 14,0%
<b>total cultivation</b>	<b>+ 8,0%</b>

# Improved uniformity

Champlify+ supports uniform mushroom growth. Champlify+ accelerates the release of nutrients from the compost, giving all mushrooms the same opportunity to grow. In addition, the remains of the mushrooms from the first flush are broken down more effectively by the microbial life in the compost, creating more space for new pin formation. As a result, the full capacity of the bed can be used again.



**Control**



**with Champlify+**

**Results show:**

- Better and more even utilisation of the entire bed surface.
- A more uniform growth results in a larger number of premium-grade mushrooms.

These effects are reproducible and align with Bertels' broader innovation approach: developing solutions that measurably contribute to cultivation results without making the cultivation system unnecessarily complex.

# Lower total costs

## Mechanical harvesting

Champlify\* enables 3 flushes, reducing total production costs and the raw materials are utilized to their full potential. Ultimately, this also leads to a higher financial return.

## Manual harvesting/hand picking

Because of the higher individual mushroom weight, picking performance improves, resulting in more return per picking round. Since each mushroom is heavier, fewer are needed to reach the same weight.

By using fewer raw materials, a CO<sub>2</sub> reduction of up to 15% can be achieved.

# Directions for use

## Easy and efficient to apply

Champlify\* has been designed with the grower's daily practice as the starting point.

One application per flush during irrigation.  
Seamlessly integrated into existing irrigation systems.

Dosage: 0.67 ml per litre of water (1:1500). 1 litre of solution per 1 m<sup>2</sup>.

First application: during the final irrigation step before the initiation of pinning.  
Repeat immediately after each flush.

Due to the high concentration, only a minimal amount is required for maximum effect.

## Example application for mechanical harvesting

	Days	Day
filling beds		0
first application	+2	2
flush 1	+14	16
second application	+0	16
flush 2	+9	25
third application	+0	25
flush 3	+12	37

## Specifications and storage conditions

- pH: 4.4
- EC: 12.4 mS/cm
- Density: 1.2 g/mL

Store at a temperature between 0 °C and 35 °C.  
Shake before use.  
Shelf life: 4 years after production date.

# Champlify+



## Compliance

Champlify+ complies with FPR 2019/1009 and is certified as a biostimulant. The product carries the CE marking and has been developed and produced in accordance with the applicable European standards for safety and quality. The mushrooms cultivated with Champlify+ have been extensively analysed for contaminants and pesticide residues. All measured values are well below the maximum levels as established in Regulation EU 2023/915 and Regulation EC No. 396/2005. In other words, the product complies with all MRL requirements.

## Champlify<sup>+</sup> and Bertels

Champlify<sup>+</sup> is part of Champlify™: a performance-driven brand fully focused on consistent, efficient, and measurable improvements within professional mushroom cultivation.

Champlify™ was developed and is produced by Bertels B.V.

For decades, Bertels has been working on innovative cultivation solutions that demonstrably contribute to better cultivation results. Based on our deeply rooted expertise in substrate development, plant and fungal biology, and biostimulants, a clear opportunity emerged: to make optimal use of processes that are already naturally present in compost.

The strength of Bertels lies in bringing together practical experience, scientific substantiation, and directly applicable innovation.

Champlify<sup>+</sup> is a result of that.

# CHAMPLIFY

[www.champlifypro.com](http://www.champlifypro.com)

**Champlify is a brand of Bertels B.V.**  
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