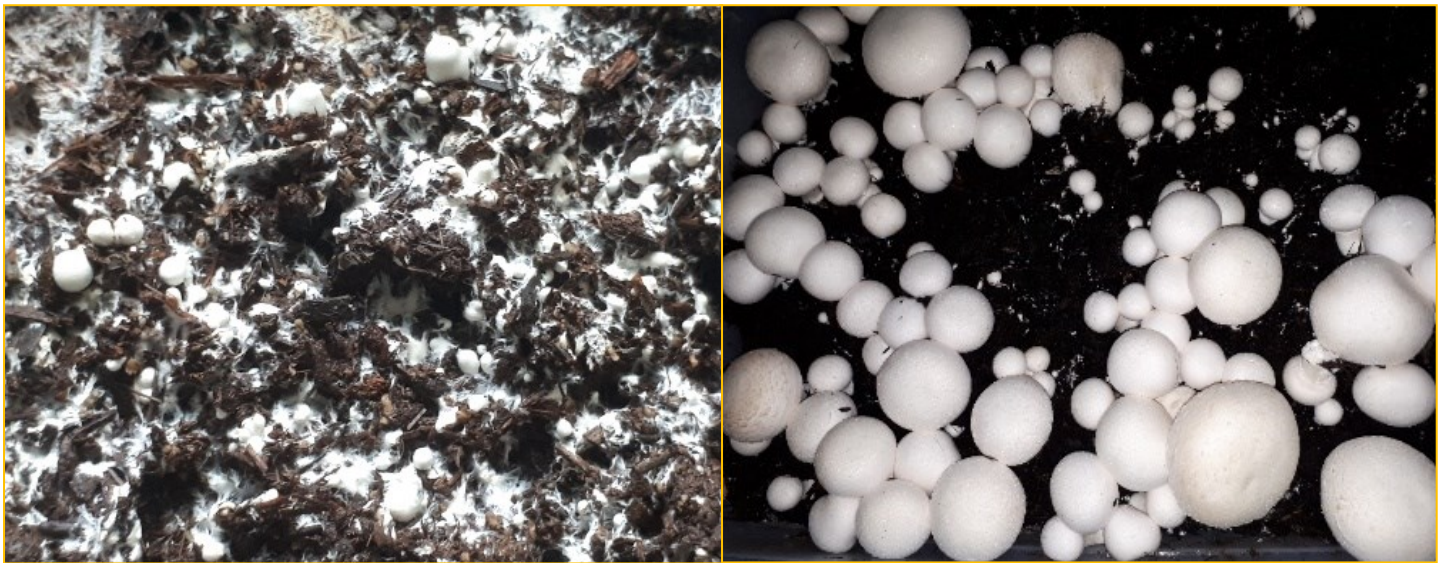


## TEFA C – casing soil for the production of mushroom

TEFA is a fibrous structure material similar to peat. It is produced from maize straw, a residue of grain maize production. TEFA C is specifically prepared for utilization as casing soil for the production of mushroom. This preparation includes reduction of the salt content, further refining of the fibres for increase of the water holding capacity and hygienization in a controlled fermentation process.



### Specifications (approx. values) and impact on the growth of mushroom:

Nutrient content	very low	induces the shift from vegetative growth to generative growth (formation of fruit bodies)
Fibre structure	fine	increases the ratio of fine pores and the capacity to take up and hold water
pH-value	8,0	neutralizes acids and thereby improves the growth conditions of the mycelium
EC-value*, mS/cm	<1,7	promotes healthy growth of the mycelium
dm-content** at delivery, %	40	results in lower transport weight and reduced transport cost
Density at H <sub>2</sub> O-saturation, g/l	700	supports optimum mushroom yield
Stickiness	yes	facilitats the formation of clumbs and thereby supports the formation of strong mycelium strands
Controlled hygienisation	yes	secures freedom from potentially harmful micro-organisms

\*EC=Electrical Conductivity, \*\*dm=dry matter

TEFA is currently being evaluated for industrial use, in cooperation with a renown Dutch compost supplier. Validation includes product yield and production safety.