Regular MycroLiquid (preparation in casing in advance) manual

Nutrigain produces supplements for the compost and casing. This is a liquid product that is added into the casing during the preparation process simple and easy. The product is called Regular MycroLiquid and comes in 20L drums or 1000L IBC. Suitable for White and Brown Mushrooms.

20L drum  1000L IBC

1. Storage

The drums should be stored in clean disinfected environment, out of the sun in a dust and frost free area. If stored incorrectly, you may experience some gassing (CO_2) in the container (more likely in the IBC) and in which case this should be released periodically if not being used.

Each drum has a batch number that can be used for traceability and we recommend recording this on your growing charts.

There is no expiration date with this product, but we recommend that it is used 6-8 months after day of production.

1 x 20L drum is sufficient to treat casing being applied to an area of 90-125m²

Some preparation is required before application of the MycroLiquid.

2. Preparation

All concentrated product must be agitated before use as it separates during storage over a relatively short period. For 20L drums shake hard. For IBC's use compressed air to ensure all contents are thoroughly mixed. The following link shows a simple way to do this. Please do this for 1-2 minutes. https://youtu.be/jWxxRkyET5c

Ensure dispensing tank and pipe work etc is clean and disinfected. Rate of use is 160-220ml/m2 Mycroliquid. To this is added water in at least a ratio of 10 parts water to 1 part supplement.

For example, if you are mixing casing for say 300m²

This means you need 300 x 160ml (0.16L) = 48 litres of Mycroliquid. This would mean adding at least 10 x48L =480L water into a tank to dilute the 48 litres of supplement ie total of 528L.

The diluted mix should be continuously agitated during application onto the casing. Use a fork or machine to mix evenly into the casing mix. Once diluted use as quickly as possible. Do not store in an undiluted state.

Remove fine filters and use a coarse watering rose for application.

It should be added 1-2 days prior to application on the growing surface so it has time to react with the casing and not 'knock back' the growth of CAC which is normally added on day of casing.

This application will form part of what you normally do in the preparation of the casing.

Be careful to avoid loss of product through leaching out of the casing.

Do not mix CAC on the same day as adding the Mycroliquid as it will 'knock it back'. If you want to put CAC in early, then you must put Mycroliquid in 1-2 days before CAC goes in.

3. Post application

Flush out tank, pipe work and nozzles etc with clean water after use, disinfect with hypochlorite or Sporekill (2%). Leave to dry.

4. Case Run

Avoid excessive watering on first days after casing until the nutrient has reacted fully with the casing, if not, you will just wash it out and waste it.

Record the temperatures in the casing as well as air and bed temperatures on crop cards. You need to monitor this carefully to ensure feeding temperature is reached and for how long. Casing temperature is not the same as compost and is influenced by cold air temperatures and watering.

The optimum temperature for feeding is 23C on the interface for a minimum of 2-3 days. This normally happens in last few days of case run and first day of airing. THE LONGER FEEDING TIME THE BETTER.

Avoid pushing compost temperatures too high (27C +) in order to bring up the interface or casing temperature.

5. The use of plastic film on the casing

We recommend the use of plastic film with tiny holes (microperforated) on the casing to encourage higher casing temperature for 2-3 days which will activate the product and increase the uptake by the mycelium. This has the additional advantage that moisture is not lost during some of the case run period.

There are different ways to do this; some growers put their water in at the beginning and then put plastic on from day 2 onwards (day 0 is casing day) to 24 hours before airing. Others will wait for mycelium to grow in, put water in on day 2/3 and then add plastic film and remove again 24 hours before airing, topping up if required.

Please note that when you apply plastic for 3 days or more, you will have a 1/3 more water than normal, because it has not been evaporated away, so you may end up putting 1/3 less water in the casing.

NOTE:

If you normally have a high air temperatures (20 C +) to keep compost at 25-26C then plastic will probably not be required as casing will lie around 23C already.

In the beginning, just experiment with a shelf section (1.5m) with the plastic so you can observe what happens and if you like it and it is successful you can scale it up.

Comparison between Mycroliquid above and Normal below (in same room)

6. Post 1st flush

Because the yield will be higher on 1st flush and depending on whether you use plastic and how much moisture you lose from the casing, you will need to put more water in between 1st and 2nd flush to take account of this.

2nd flush quality from Mycronutrient