

## **Sporekill disinfectant manual**

Nutrigain produces a dedicated disinfectant specially designed for mushroom farms.

Sporekill is an advanced disinfectant which has 3 modes of action;

- Strong detergency to penetrate spores and wet surfaces
- Powerful ingredients create fungistatic and fungicidal action on spores and their mycelium
- Film forms as it dries to seal in remaining spores (belt and braces)

It is used for floors, walls, shelves, nets, ventilation systems, trays, foot dips, equipment and post crop termination. It comes in 20L drums or 1000L IBC.



20L drum



1000L IBC

### **1. Storage**

The drums should be stored in dry area, out of the sun and frost free.

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

Some preparation is required before application of Sporekill.

### **2. Preparation for application**

Sporekill is a clear amber liquid when concentrated and remains clear on dilution.

If using a knapsack sprayer or a tank, then Sporekill must be diluted first. Ensure dispensing tank and pipe work etc is clean prior to use. Rate of use depends on application, but normal rates are 1% for clean conditions and 2% for heavy contamination.

It is designed to work in hard and soft water areas.

Pressure washers with a dosing circuit can also be used setting to between 1 and 2% and also fogging machines.

### **3. Post application**

Flush out tank, pipe work and nozzles etc with clean warm water after use. Leave to dry.

### **4. Areas of Usage**

#### **a) Walls**

Use same approach as floors. Once clean apply 1-2% Sporekill depending on level of contamination.

#### **b) Shelves**

Clean shelves using a power washer with water and/or hypochlorite. Once clean apply 1-2 % Sporekill depending on level of contamination and leave to dry. Sporekill is safe in contact with compost of new crop.

#### **c) Foot dips**

Use 2% in foot dips or floor mats. Top up every few days as required.



#### **d) End of crop termination**

If you do not cook out and have to transfer trays to cook out then you should seriously consider wetting down the cropping surfaces with a 2% Sporekill solution and leave for 2 -12 hours prior to movement. The sticky solution will entrap spores on the surface and stop them blowing all around the farm. This is also a great solution for shelf emptying when cooking out is not possible. USE PLENTY OF WATER VOLUME eg 2-3L/m2 to really wet the growing surface.

#### **e) Equipment**

Sporekill can be used for washing down equipment, but must be left to be totally or partially dry eg evening before day of use. 1-2% solution depending on level of contamination.

#### **f) Growing nets**

Sporekill can be safely used with surfaces that come into direct contact with the crop without any concern for chemical residues. Nets should be power washed with water to remove compost and when clean Sporekill should be applied as 2% solution, then left to dry.

g) Outside rooms and roadways

Sporekill can be safely used outside rooms and roadways with no risks to environment.

Recommended rate of 0.75 to 1%.

**5. Fogging**

Sporekill can be fogged as well and is especially good for ventilation systems and ducts. Rate is 1L Sporekill in 5L water per 1000m<sup>3</sup>



**Note** fogging is not as effective as washing down with a good volume of liquid in the case of walls and floors in our experience, because you don't get a very good coverage in wide areas with fogging and you risk missing areas.

**6. Floors**

This is the best solution out there for floor hygiene in the growing rooms because of the film action sealing floor crevices and cracks as it dries. Suggested approach is to wash out the room after emptying with water and/or hypochlorite (bleach). Once clean, the surfaces can be disinfected with Sporekill at 2% and left to dry. USE PLENTY OF WATER to ensure good coverage and wetting of all treated surfaces.



**SPOREKILL 'CLEAN' ROOM READY TO FILL**