

E R G O F I T O I N A C T I O N

Give Nature What Nature Wants

Ammonia Elimination Protocol for Broilers



ERGOFITO

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PREAMBLE:

Damages caused by ammonia (NH₃) in chicken houses for broilers is very well documented.

Chickens suffer serious health problems as soon as ammonia levels exceed 5ppm.

Some of these problems include:

- High mortality rate
- Reduced food to weight conversion
- Burnt feet
- Burnt chest
- Burnt respiratory tracts
- Damaged organs

The above is not a complete list and does not take in to account the health of the staff.

Ergofito AmmFree metabolizes ammonia (NH₃) into proteins and amino acids.

The results are rapid (usually within five minutes after the **Ergofito AmmFree** application).

It is a natural conversion; thus, it does not have a secondary or a negative effect on the birds or the environment.

Ergofito AmmFree primary function is ammonia metabolization, the benefits emanating from the absence of ammonia in chicken houses are important but consequential.

Ergofito AmmFree is safe for all living things including plants.

Ergofito AmmFree helps in the composting of the bedding and chicken litter.



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PROTOCOL:

There are various methods used when starting a new chicken growing cycle.

The chicks introduced are generally one day old.

For that reason, some growers place paper over the laid bedding, preventing the young chicken of mistaking wood shavings or bedding as food.

When Paper is used to Cover Bedding:

When paper is used, do not spray **Ergofito AmmFree** until seven days **after paper removal**.

Seven days is an indication based on the chicken density in the chicken houses as per the table below:

Number of chickens per Square Meter	Day
8 to 10 Chickens	8
11 to 18 Chickens	7
19 to 22 Chickens	6

When Paper is **Not** Used to Cover Bedding:

When paper is not used, then the you can apply **Ergofito AmmFree** as per the table below.

Application from the day that chicks are introduced in the chicken house.

Number of chickens per Square Meter	Day
8 to 10 Chickens	11
11 to 18 Chickens	10
19 to 22 Chickens	9



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APPLICATIONS:

The application should be done using a Back Pack sprayer either manual or battery operated.

Avoid any blowers or equipment that generates noise.

Ensure that all personnel applying **Ergofito AmmFree** wears only blue clothing and blue boots, this avoids scaring the chickens.

Mixing Ergofito AmmFree

Mix Ergofito AmmFree at a dilution of 2% with water.

The application requires 150mL of diluted product per square meter surface.

If the chicken house is 3000 m², then you will need 450 liters of water per application mixed with 2% **Ergofito AmmFree (9Kg)**.

The above application is done approximately every seven days depending on ammonia measurements (keep ammonia level below 2 ppm for best results).

Where the Application is Done When Chickens are Three Weeks Old or Older:

When **Ergofito AmmFree** is applied for the first time in a chicken house commencing on the third week or later, apply on the floor as normal but also spray the chicken house internal walls up to 30 cm height.

GENERAL INFORMATION:

When applying **Ergofito AmmFree** on the bedding, it may not be possible to cover 100% of the area due to the chicken movement or human coverage mistakes.

This is not a problem as chickens will disperse the **Ergofito AmmFree** the via their feet throughout the chicken bedding.

Avoid spraying directly on the chickens, although it is harmless to the chickens it reduces the amount of **Ergofito AmmFree** been applied on the bedding.

The quality of the bedding will substantially improve, the farmer can judge if they wish to re-use the same bedding for the next production cycle or replace it.

During the removal there will be no smell as there is no ammonia.

The bedding can also be used as a base fertilizer without the risk burning the plant's roots.

It is imperative to ascertain case by case the above.



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