

Biomark ZEST has 6 important antioxidants which helps the farmer in maintaining the performance of Layer and Breeder birds. It protects the cell damage and improves the longevity of the flock.

Even for broilers, feeding Biomark ZEST improves their growth and increases body weight with better FCR.

DO NOT LET THE OXIDATIVE STRESS STEAL YOUR PROFITS.

Instead, enhance the profits by using Biomark Zest.

Regular use of **Biomark ZEST** benefits the farmer for a long time.



DOSAGE :
500g to 1Kg. per Ton of feed.

Marketed by : 
Exotic
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MUSHROOMS

BIOMARK ZEST

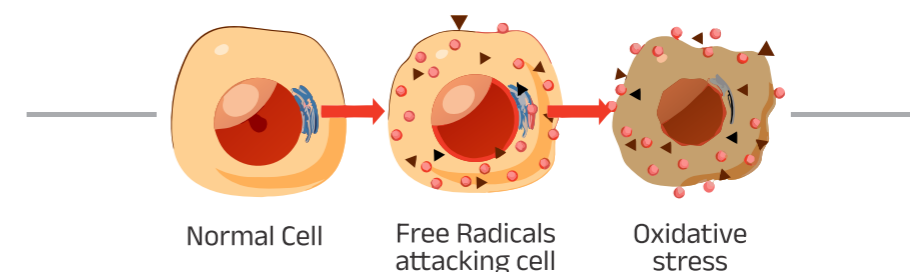
FOR LONG-TERM PRODUCTIVITY

In poultry, managing the stress on birds is a very crucial aspect for good health and better productivity of the birds for a longer duration. There are several factors responsible for the stress on the birds. The most important factor is oxidative stress.

Oxidative stress steals the profit of your farm. Farmers have to attain best production in existing challenging situations. The oxidative stress can affect growth and feed intake. It can upset the mitochondrial function and may lead to DNA damage. This stress can affect the immune system, gut health and productivity.

All this leads to fast ageing and loss in productivity and profits.

This productivity loss can be managed by using an effective antioxidant formulation like **Biomark ZEST**.





Anti Oxidants and their need..

Anti oxidants are those who donate a hydrogen molecule to free radicals.

Free radicals are present in the process of metabolism. These free radicals are highly unstable and they can start chain reactions which can be damaging to the cells, tissues and overall functioning of the body.

These free radicals may accept hydrogen from useful metabolites and damage the useful metabolites. Antioxidants can prevent this damage by donating hydrogen and saving the structure of useful metabolites.

To prevent the damage by these free radicals nature has a defence system of producing enzymes to neutralise them. Some enzymes also prevent the peroxidation of lipids.

Some of the important antioxidant defence agents produced by the body are SOD (super oxide dismutase), Glutathione peroxidase and catalase. They all work to prevent the damage caused by free radicals such as ROS (reactive oxygen species).

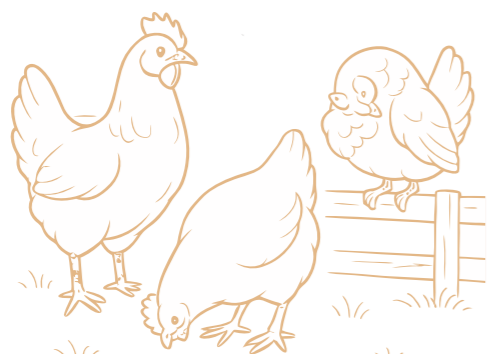
Example: SOD works as a catalyst in breaking the superoxide free radical into hydrogen peroxide and oxygen.

Along with these defence agents, the body takes help from vitamins like C, E & A. Vitamins C, E and A build the antioxidant system of the body.

When there is an imbalance between free radicals and neutralising ability of the body, the oxidative stress is seen. This oxidative stress can lead to damage on cellular level. The free radicals (ROS) unstable the functioning of mitochondria which is the powerhouse of the cell.

The oxidative stress affects the lipid peroxidation which leads to deformed fatty acid chain and altered fat deposition. All of this affects the health of the bird, reduces the overall growth, reduces feed intake and shows poor immunity, fast ageing and decreased productivity.

Adding effective antioxidants to the diet help overcome these challenges. Our new innovative product Biomark ZEST, is the best option to be used regularly as an antioxidant supplement.



Biomark ZEST contains

Amla Powder
Vitamin E
Chelated Zinc
Chelated Manganese
Selenium
Brown Marine Algae Extract



AMLA POWDER

Amla powder is a very effective herb having antioxidant property. Amla is a very important medicinal plant from India. Amla is rich in polyphenolic compounds like Gallic acid and others. It also has tannins and flavonoids. Amla has pectin, ascorbic acid, terpenoids etc...

It is a very good antioxidant which scavenges free radicals and protects the cells from damage. Amla also has hepato-protective ability.



VITAMIN E

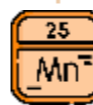
Vitamin E is an essential vitamin required for several physiological activities. Therefore, it is an integral part of the poultry feed.

Vitamin E in Biomark ZEST protects cellular membrane from peroxy radicals by mitigating them.



ZINC CHELATE

Zinc has a positive impact on the antioxidant ability of a bird. Zinc is a cofactor of SOD. Increased Zinc supports the SOD activity.



MANGANESE CHELATE

It has been observed that good dosage of Manganese in the diet reduces the oxidative stress and enhances antioxidant ability. Similar to Zinc, Manganese also supports the activity of SOD.



SELENIUM

Selenium is present in the glutathione peroxidase enzyme. This enzyme present in the body works very well to prevent the lipid peroxidation.



BROWN MARINE ALGAE EXTRACT

The extract of brown algae is enriched with phenolic compounds, flavonoids, carotenoids, sulphated polysaccharides and Aryl polyketides. This unique combination works as an effective antioxidant, anti-inflammatory and is hepatoprotective.