

Improving efficiency on poultry farms with Zucami installations: Keys to poultry welfare



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POULTRY EQUIPMENT

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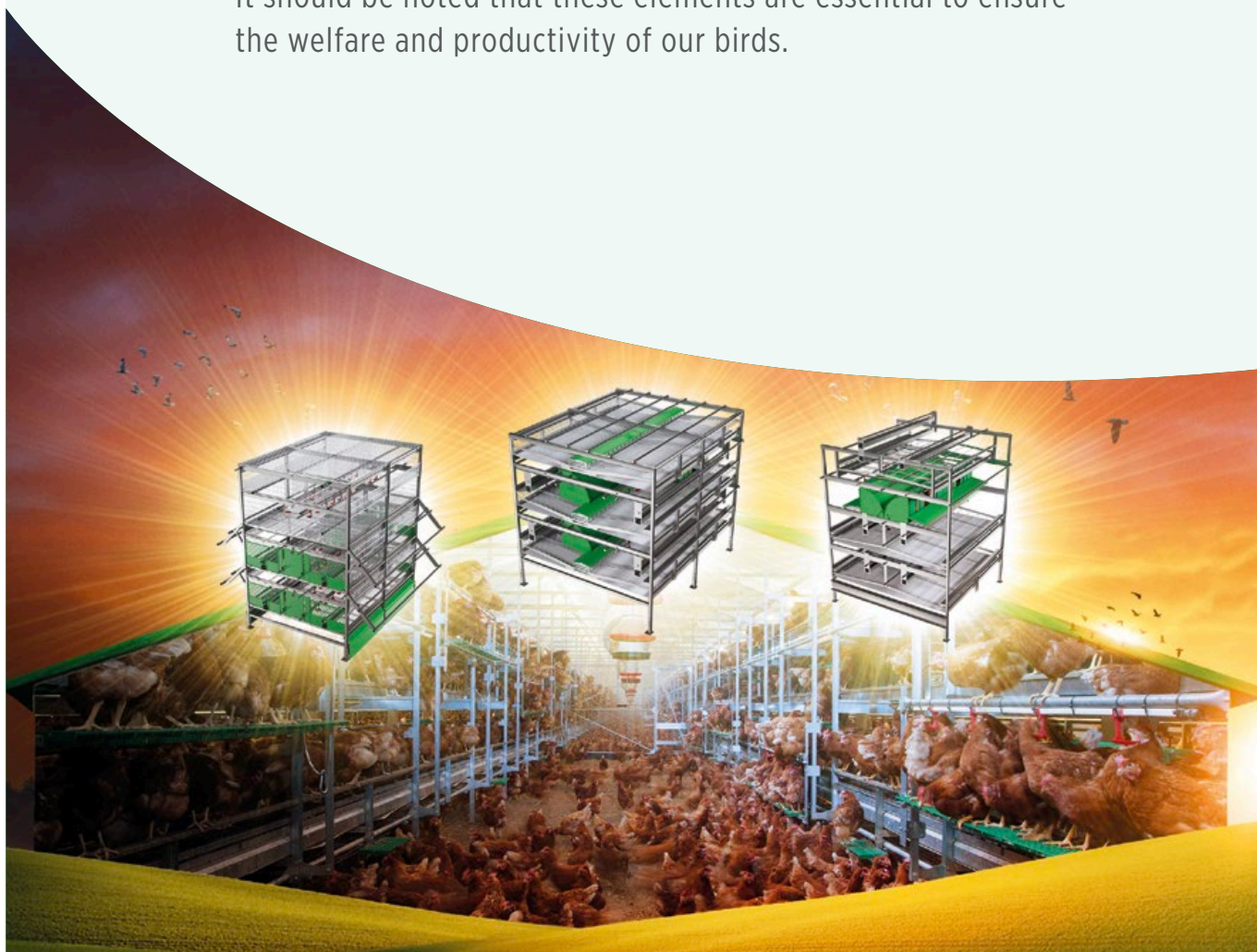
At **Zucami**, as an integral part of our commitment to animal welfare, we are dedicated to ensuring the health and comfort of the birds with our facilities.



In this article, we would like to share some key points that we consider fundamental to ensure that birds are in the best possible condition.

We will talk about the importance of having optimal agricultural facilities, efficient ventilation systems, precise control of temperature and humidity, adequate lighting and balanced feeding taking into account the grain size.

It should be noted that these elements are essential to ensure the welfare and productivity of our birds.





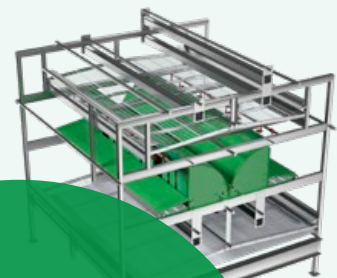
Optimal poultry facilities

Efficient poultry facilities are paramount. Facilities are designed to provide an optimal environment for proper growth, efficient egg production and healthy bird development.



Efficient facilities also help reduce poultry stress, which can improve their quality of life and productivity. In addition, well-designed poultry facilities can facilitate disease management and control, ensuring a more hygienic and safer environment for the birds and the personnel working with them.

The Green Way Aviary for layers, the Vision Aviary for layers and the Green Start Aviary for breeding and rearing Zucami are examples of poultry facilities that stand out for their efficiency and commitment to animal welfare.



These facilities have modern systems equipped with advanced technology to ensure proper monitoring of bird health.





Efficient ventilation systems

An efficient ventilation system is crucial to maintain an optimal environment in poultry facilities, ensuring the health and welfare of the birds, as well as maximizing their production and performance.

Adequate ventilation systems are essential to maintain air quality inside poultry facilities. **Efficient ventilation ensures proper air circulation, preventing the accumulation of harmful gases and reducing the spread of respiratory diseases among the birds.**



This important feature has a direct impact on the welfare and health of the birds, as these systems ensure a suitable environment by controlling temperature and humidity, thus reducing heat stress.



In addition, efficient ventilation systems not only improve poultry performance, but also contribute to the sustainability and profitability of the company and the poultry industry.

Example: When we have a correct ventilation our production increases, but when the ventilation is deficient the production rates decrease. Below, we show some characteristics of how production rates can be improved if proper ventilation is used in poultry farming.

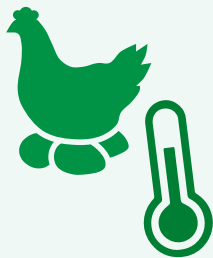
What characteristics should we take into account in poultry ventilation to achieve better production?

-  Temperature control
-  Humidity control
-  Air renewal
-  Odor reduction
-  Air quality improvement
-  Mortality reduction
-  Feed efficiency improvement
-  Gas concentration control
-  Microbiological contamination control
-  Improved animal welfare



Precise control of temperature and humidity

Precise control of temperature and humidity in poultry farming is the pulse that keeps the welfare and productivity of the birds alive, ensuring an optimal environment for their growth and development.



Temperature and humidity control is vital for bird welfare, as birds are sensitive to sudden changes in climate. A temperature and humidity controlled environment promotes healthy growth of the birds, reducing stress and improving efficiency in the case of laying hens.

At **Zucami**, we also specialize in the design and implementation of climate control systems for poultry houses and advanced climate control systems, with the objective of improving poultry management and welfare. Our technology guarantees optimal temperature and humidity conditions, thus contributing to the health and productivity of the birds in a controlled and comfortable environment.



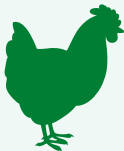
It is essential to implement good air conditioning systems for your company, otherwise, **if the correct temperature and humidity are not maintained, several problems may occur that affect the health and welfare of the birds, as well as their production. The following are some of the consequences:**



Heat stress: Birds are sensitive to sudden changes in temperature and high humidity, which can cause heat stress. This can lead to decreased egg production, increased mortality and reduced feed efficiency.



Diseases: Incorrect temperature and humidity conditions can create an environment conducive to the growth of pathogens, such as bacteria and fungi, which can cause disease in birds.



Abnormal behavior: Birds may show abnormal behaviors, such as pecking at each other, untidy plumage or lack of activity, as a result of stress caused by unsuitable environmental conditions.



Growth and development problems: Inappropriate environmental conditions can affect the proper growth and development of birds, which can result in undersized birds with skeletal or muscular development problems.

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Adequate lighting

Lighting plays a crucial role in the behavior and physiology of birds. An adequate light-dark cycle influences their feeding, breeding and resting rhythm.

Adequate lighting promotes bone development and prevents vision problems.



Indeed, light is crucial in the regulation of sleep-wake cycles, reproductive behavior, daily activity and proper development of birds. Adequate lighting helps to maintain a healthy and comfortable environment for birds, which reduces stress and minimizes behavioral problems such as pecking among birds.



In addition, light also influences egg production in laying hens, as an appropriate light cycle can stimulate egg production more efficiently.





Granulometry and its importance in achieving a balanced diet

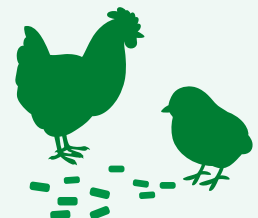
Grain size is the key to crushing obstacles on the road to balanced poultry nutrition, ensuring that every grain is a firm step towards optimal bird health and growth.

In poultry farming, particle size refers to the size of the feed particles offered to the birds. It is an important aspect in poultry nutrition, as it affects feed efficiency and bird performance.



The appropriate particle size depends on several factors, including the species and age of the birds, as well as the type of feed and the feeding system used; in general, the aim is to achieve a balance between feed digestibility and feed efficiency.

Proper particle size and balanced feeding is critical to maintaining bird health and performance because the nutrients contained in feed are essential for growth, health and production. **Birds need a balanced diet that provides protein, carbohydrates, fats, vitamins, minerals and water in adequate amounts to meet their specific nutritional needs.**



Poor feeding can result in growth problems, disease, decreased egg production, and ultimately affect the profitability of poultry production.

Zucami, through its commitment to animal welfare, recognizes the importance of optimal poultry facilities that include efficient ventilation systems, precise temperature and humidity control, adequate lighting, particle size and balanced feed.



Therefore, it offers to all its customers aviaries, manure drying and climate control systems in order to improve poultry production in your company.

By purchasing Zucami equipment, you ensure poultry welfare and contribute to improve the efficiency and profitability of poultry production.





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