

Chicken Eggs are Different Types, Public Cheated in Prices?? Egg Adulteration is Possible??

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Received: October 23, 2020; **Published:** December 31, 2020

Abstract

We know adulteration is not possible in egg, but now things are changed as we have different types of eggs in different prices. There are many types of egg in market, they are used for each purposes, public is buying the egg for a particular believe or use. But there are many chances to mix different types of eggs together and selling with high prices. So public need to know about the chances of adulteration or cheating in egg market. And surely about the prices of different type eggs and their way of production.

Keywords: Poultry; Egg; Brown Egg; Country Egg; Desi Chicken; Food Adulteration

Introduction

Different types of layer birds are there in our country, e.g. Commercial layer, parents layer, broiler breeder, layer breeder, desi birds, free-range birds, they produce same eggs, but different usage and different price and the rejected eggs in farm level also sold as high prices in many markets.

Methodology

Egg market analysis visit and observation, breeder farm and layer farm visit. referring books and article.

What is the price of a chicken egg??...

If you ask an ordinary person this question, he will tell you 4-5 rupees, 8-10 for a native egg but if you ask a hatchery, he will tell you Rs.18-25.

If you ask agents working in the poultry sector in Tamil Nadu, They will ask you many questions...

Which egg???

Table egg? Hatching egg? Pullet egg? Candling egg?? Farm Rejection? Crack egg?? Jumbo Egg?? Brown egg?? Or Country Bird eggs???

Don't worry everything is egg, you can understand everything here...

There are many types of chicken eggs available in the public market in Kerala and other states.

Table egg (eggs to eat)

- Table egg is the white egg of white leghorn chickens/Table egg producing breeds, it weigh between 40g and 55g. Table eggs are produced by breeds such as Vencob, Lohmann and Hyaline. They start laying eggs at the age of 16 weeks but are sold as table eggs only when they weigh 40 gms at 18 weeks.
- Price Rs 4 - 5 approximately.
- Shell color - white.
- All the eggs having the same colour and ingredients inside, only difference in shell colour.
- The first thing to understand is that hens (females) are only reared on farms where the Egg is not required for hatching.

Pullet egg

- When laying starts at the 16th week, small eggs are first laid.
- Anything below 40 grams sells for Rs. 1 - 2 called a pullet egg.
- The colour of the outer shell varies according to the Breed and Strain.

Hatching egg

These are hatching eggs obtained from parent chickens. It weighs 45 - 55 grams and the color of the eggshell varies depending on the breed and strain, which is brownish-white in normal broiler Hatching eggs.

Farm rejection egg

Eggs that do not weigh more than 45 gm for 25 weeks are not selected for hatching and are marketed as farm rejection egg at a price of Rs. 2 - 3.

Candling rejection egg

After 10 days, the eggs having embryo growth and going to hatch can be identified by candling in the hatchery. This is the process of keeping eggs on top of a light source. Eggs that do not start hatching will be removed from the hatchery. Coming to the market at a price of 50 - 70 paise.

Crack egg

In parent farms, if there is a small crack/crack above the eggshell, they will not be selected for hatching. These are sold from the farm for 50 - 75 paise. These are mainly taken for bakery use.

Jumbo egg

Unshaped/Double yoked or having weight above 65g also don't select for hatching. These are sold from the farm for 2 - 3 rupees. They are also mainly used for bakery purposes.

BV380 eggs

- BV380 eggs are having brown shell colors and it is preferred by people because of its Brown colour which is the same as country birds. They can weigh up to 50 grams. But BV380 chickens developed by Venkateshwara Hatcheries are not the only ones laying brown eggs.
- Hyaline and Lohman strains include brown egg-laying and white egg-laying varieties. Most of them are crossbreds of the Rhode Island Red Breed.

Eggs from birds developed by veterinary universities of India

- These are developed by our Veterinary Universities e.g. Gramashree, Gramapriya, Suvarna, etc.
- Brownish white, shell colour, they weigh 30 - 40 grams.
- Price ranges from Rs 8 - 10.

Country bird eggs/local eggs

Eggs of country/Local/Desi birds. They are low yielding, free-range hens, which were first available locally. These eggs having Brown Shell colour. The price ranges from 8-10.

Karinkozhi/Kadaknath eggs

- Eggs of Kadaknath are brownish white, not black. Many people thinks it is black in colour.
- Its weight will be 30 - 40g. The price is indefinable.

Result and Discussion

It is very difficult to distinguish between these eggs by naked eyes. Low weight rejection eggs can be marketed as native/Desi eggs.

Candled Rejection eggs can be sold as brown table eggs. Pullet eggs can be sold at High prices. Country Bird eggs can be mixed with Kadaknath eggs.

So many lies can happen.

Public, Government, food safety Departments should be more vigilant and aware about these, then only we can stop these chances of cheating in Egg market [1-13].

Conclusion

There are price cheating happening in Egg market regarding the quality of egg.

There is huge demand for awareness programme regarding the quality of different types of Egg.

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Volume 6 Issue 1 January 2021

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