

9th INTERNATIONAL POULTRY SHOW & SEMINAR 2015

Safe Food, Healthy Nation



Venue : Bangabandhu International Conference Center, Dhaka, Bangladesh

Date : 19 to 21 February 2015



Minister
Ministry of Agriculture
Govt. of the People's Republic of Bangladesh

Message

I am contented to know that the World's Poultry Science Association Bangladesh Branch (WPSA-BB) is going to arrange the 9th International Poultry Show and Seminar 2015 in Dhaka from February 19-21, 2015.

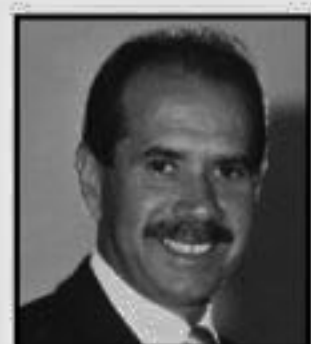
Poultry is a substantial contributor to food supply of Bangladesh. Considering the importance of the country's poultry industry, Bangladesh Government always playing a supportive role for the betterment of the industry. This industry provides various opportunities of increasing GDP growth rate through arranging food security as well as ensuring self-employment at a large scale.

Bangladesh is a densely populated country with limited land and water resources. Poultry industry is one of the major area among livestock sub-sector that can grow through vertical expansion. So, in minimum areas the growth potentiality is in Poultry Industry. Applications of new technologies toward scientific farming can enhance profitability and sustainability of this industry.

I am sure this show and seminar can provide valuable knowledge and technology which will help the farmers to run their operations in more scientific and sustainable way.

I congratulate all involved and wish the conference a great success.

Matia Chowdhury
Matia Chowdhury M.P.



President
WPSA

Message

It is a privilege and an honor for me, as the President of the WPSA, to welcome you all to The 9th International Poultry Show and Seminar.

Firstly, I would like to express my pleasure at your ever increasing development and contribution as an important international player in the poultry industry. I am sure this event will only add to this profile and help further progress in all areas and the challenges faced in maximizing the efficiency of the sector, in terms of commercial poultry and feed production.

My previous experiences have given me great hope and confidence that a highly active and technology sharing organization can significantly improve this vital protein source for Bangladesh and other developing countries.

The WPSA has a long history in stimulating poultry production through research, education and organization. Let's do it right now in this International Poultry Show and Seminar.

To all delegates attending this event, I encourage all of you to keep supporting and attending the WPSA in the future, remembering that in 2016 we are going to have the 25th World Poultry Congress in Beijing, China.

Once again, I thank you all very much, and wish you all an enjoyable and successful Event.

See you in the near future at one of the WPSA coming events.

Dr. Edir N. Silva



President
World's Poultry Science Association-BB

Message

It is a great pleasure to extend to you all a very warm welcome on behalf of the World's Poultry Science Association-Bangladesh Branch to the 9th International Poultry Show & Seminar 2015. From the 19th-21st February 2015, at the Bangabandhu International Conference Center, Dhaka, Bangladesh. Our biggest achievement as an association is organizing International Poultry Shows & Seminars in alternative year since 1999. WPSA-BB aimed its activities to encourage the poultry farmers and entrepreneurs to produce quality products with a competitive production cost. Arranging seminars, symposia's, campaigns, open discussions, promotional activities to educate people & farmers about poultry farming as well as promoting eggs and broiler meat to consumers.

WPSA-BB extends tremendous support to the Poultry Industry of Bangladesh and shoulders responsibilities to help fight challenges like Bird Flu & other crisis. Furthermore, it also educates people about the latest development of Poultry Science & Technology.

I am very proud to be a part of this development of the industry from the very beginning & also from the inception of WPSA-BB. To be able to work & take initiatives for such successful developments on behalf of WPSA-BB, it has inspired me even more to continue my efforts & contribute by very best support to the highest extent in the future for the benefit of all.

I hope and expect that this show will create a platform for networking amongst the poultry farmers, entrepreneurs, technology providers and consumers, which will provide the necessary inputs to accelerate investments in this sector. I convey my sincere thanks & deepest appreciation to the government, members of WPSA, sponsor, visitors, journalist and other stake holders for their utmost support & cooperation. Finally I wish everyone a successful show & seminar.

Moshiur Rahman

BANGLADESH POULTRY INDUSTRY - GROWING POTENTIALS

- The Poultry Industry is the second largest employment generating industry in Bangladesh after the garments industry. Currently 2 million people are employed in this industry half of which are female.
- The annual per capita chicken consumption in Bangladesh is only 3.63 kg compared to the global health standard consumption at 18-20 kg. In US per-capita annual consumption is 50.1 kg while in Canada is 36.5 kg.
- FAO recommends annual per-capita consumption at 104 eggs. In the developed world, the annual per capita consumption is 220 eggs and in Japan 600 eggs. For Bangladesh this number stands only at 45-50 eggs.
- WHO and the Food & Agriculture Organization joint survey on health standards stipulates annual per capita protein intake at 43.80 kg. For Bangladesh in comparison this rate is at 15.23 kg.
- Normal healthy growth of poultry chickens are ensured with genetic improvements and nutritious protein mixed feed. Common miss-perception on the use of hormones on poultry feed is a futile concern.
- No scientific or production requirement of antibiotic use in poultry feed and the perception of antibiotic prevalence in eggs and chicken is not fact-based.
- Use of antibiotic in poultry feed is prohibited by regulation and compliance is practiced. Antibiotics may be used for safeguarding poultry health only for disease and on advice of experienced veterinary doctor.
- Annual demand of poultry feed presently is 27 lacs MT. Commercial feed mills generate 25.65 lacs MT and local mills are able to produce 1.35 lacs MT.
- 95% of the annual poultry feed requirement for Bangladesh is produced locally under advanced technology at state-of-art production mills. More than 99% of poultry feed production do not use tannery waste.
- Investment size of the poultry industry currently amounts to Tk. 25,000 crore which during the eighties decade was Tk. 1,500 crore.
- Effective policy and infrastructure of the Government will facilitate poultry industry to grow to Tk. 50,000 crore by 2020.
- Daily demand of chicken currently is at 1,700 MT and estimated 2 crore eggs are produced daily.
- Weekly demand of one-day old chick is at 1 crore 10 lacs.

Does egg cholesterol increase the risk of cardiovascular disease?

Dr. Shubash Chandra Das

Professor, Department of Poultry Science, Bangladesh Agricultural University, Mymensingh

Egg is one of the most complete and versatile food readily available to the everyday-diets of all classes of people. Eggs become an indispensable part of our daily diet and have played a pivotal role in feeding protein to rural families for centuries. Because of the versatility in nutrients content, eggs are considered as unbeatable package of top-quality protein with high biological value that consumers can buy at a very affordable price. While eating eggs, a common question often peeps in the mind of many consumers. Does egg cholesterol increase the risk of cardiovascular disease? How many eggs one can eat in a day? Is there any association between age and egg consumption? Prior to answering those questions, one should understand both the nutritive and therapeutic values of egg.

Egg is a source of animal protein. Egg weight is one of the important factors that affects nutrient contents of egg. However, a chicken egg weighing about 50g contains approximately 6.3g of protein, 0.6g of carbohydrate, and 5.0g of fat, 71.5 kcal metabolizable energy, abundant vitamins and minerals. A whole egg has two major parts, the egg white and egg yolk. Fat of the egg, which contains healthful unsaturated fatty acids, is mostly found in the egg yolk. Egg yolks are also one of the best sources of choline, a water soluble vitamin, important for the development and maintenance of brain function. A standard size egg contains approximately 50% of daily required intake of choline which is essential for metabolism, brain and nerve functions, memory preservation of individual and improves cognitive abilities. Choline also helps to promote brain and memory development of infants. Thus, growing children should eat at least one egg or egg yolk every day. Since the brain development of fetus occurs in the uterus, one egg or egg yolk also should be fed everyday to the pregnant mother. An average size of 50-60g chicken egg contains approximately 180-200 mg of cholesterol that is concentrated in the fat of egg yolk.

Until the end of 20th century, scientists had specific opinion between relationships concerning egg cholesterol and heart disease. Previously eggs had rather unwholesome reputation and research findings indicated that the egg cholesterol passes from egg to blood or blood serum. However at the beginning of twenty first century many research reports clearly demonstrated that the negligible amount/no cholesterol passes from egg to blood, and therefore the consumption of one egg daily does not cause the risk of heart disease.

In recent report of Food and Agricultural Organization (FAO, 2013) of the United Nations, no conclusive evidence is available to linking egg consumption with an increased risk of heart disease. This report therefore suggests that eating one egg per day will cause no harm to consumer's health. In our society, doctors often suggest to exclude eggs from the diet of patients having any problems of coronary heart disease, diabetics or conditions tend to cause the risk of heart disease. Considering the fact of advanced science, it may be more pragmatic and logical to advice the patients avoiding beef, mutton or other red meat before cutting eggs from the diet. Except few affluent people in the society, staple diet in developing or less developed countries is mainly vegetable-based, which contains only small amount of cholesterol. Low-income people in the developing or less-developed countries who can't afford to make available the expensive beef, mutton or buffalo meat in their everyday diet; can even eat two eggs per day. In conclusion, eggs are no longer detrimental to human health and therefore the consumption of one egg in daily diet may not have negative effect on blood cholesterol of healthy people.



Minister
Ministry of Fisheries & Livestock
Govt. of the People's Republic of Bangladesh

Message

It gives me profound pleasure to congratulate WPSA-BB for holding 9th International Poultry Show and Seminar 2015 in Dhaka from February 19 to 21, 2015.

This show and seminar always brings the farm owners, scientists, educationists and entrepreneurs closer and their interactions provide further momentum towards sustainable growth of the industry. The WPSA Bangladesh Branch certainly deserves thanks for organizing this seminar and show for the last seventeen years.

Our government has taken many initiatives to protect the industry in the last few years like providing compensation to AI affected farm, joint program with World Health Organization to monitor AI affected farms and giving permission for AI vaccination in selected areas. These measures, specially the decision to vaccinate poultry birds to protect the poultry industry from avian influenza virus will have long lasting impact in the industry.

Undoubtedly Poultry sector is playing a pivotal role in employment generation, poverty alleviation and revitalizing rural economy.

I believe that this congregation of national and international scientists and industry experts will be immensely helpful to all concerned for finding out the solution of prevailing problems in Poultry industry.

I am sure that 9th international show and seminar will be a great success and inspire all stakeholders of poultry industry.

Muhammed Sayedul Hoque, MP



State Minister
Ministry of Fisheries & Livestock
Govt. of the People's Republic of Bangladesh

Message

I am glad to learn that the World Poultry Science Association-Bangladesh Branch (WPSA-BB) will hold the 9th International Poultry Show and Seminar in Dhaka from February 19 to 21, 2015.

The Poultry sector is one of the highest employments generating industry in the country. It is not only boosting up the economic development and poverty alleviation of the nation but also playing an essential role in the building up of nutritional status of the people and maximum utilization of our limited land resource.

As WPSA is working as bridging organization among the scientists, educationists and producers, I hope this event will provide the farm owners the required solutions to solve current and future problems prevailing in this industry.

I wish the initiative a grand success.

Narayan Chandra Chanda, MP



Secretary
Ministry of Fisheries & Livestock
Govt. of the People's Republic of Bangladesh

Message

I am pleased to learn that World Poultry Science Association, Bangladesh Branch is organizing the 9th International Poultry Show and the Seminar - 2015.

It has been well recognized that Livestock sector has been crucially important for the overall development Bangladesh economy and has the great potential to contribute more. Almost 90% of animal protein in our diet comes from fish and livestock. Therefore, the main thrust of the Ministry of Fisheries and Livestock is to make optimum use of the fisheries and livestock resources towards fulfilling the requirement of animal protein for the country through proper management and planned development.

Most importantly, the Poultry sub-sector has also been playing a key role to poverty alleviation through employment generation. Unfortunately, few years back, avian influenza outbreaks negatively impacted the growth of poultry industry and caused huge loss for the entrepreneurs. I believe, the International Poultry show and the seminar will provide the platform for the Scientists and entrepreneurs and other stakeholders of the poultry industry to understand the challenges and opportunities better and seize the best out of it through sharing experiences, studies, and innovations.

The Ministry of Fisheries and Livestock is fully committed to extend all possible support for the development of Poultry sub-sector.

I wish success of the 9th International Poultry Show and the Seminar - 2015.

Shelina Afroza PhD



Organized by :

World's Poultry Science Association-Bangladesh Branch

Platinum Sponsor
RENATA ANIMAL HEALTH
ACI Limited

Gold Sponsor
NOVUS
NOURISH
Cumberland
KEMIN

Silver Sponsor
Aftab Bahumukhi Farms Ltd.
AVON animal health
Alitech