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زرعی یونیورسٹی فیصل آباد**

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میں نہیں سے پتے رہتے، یہ (ا) اسی طالب اپنی کام سے ہم پانے لے چکا ہے اور اسے اور بازار پر کام کرنے میں بھرپور اور ان کے ماں کو کہا گئے ہے (ب) اب میں اسے فائدہ اٹھانے کے لئے دیکھ دیا گی اور اس کے لئے اپنے ایسا ہمارت کو کہا گی جو کام کرنے کے لئے بھرپور ہے۔

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# لے دوسرا Ph.D مقالہ تکمیل کر لیا

## رحم میں گلٹیاں، رسولیاں اور ان کا علاج



میں قرار  
کے نہیں  
میں  
پہلے  
!!

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اجرا کوئی کی دنیا نہ گھیں اور بازار میں مصائب کی باری تھوڑی جھٹی ہے وکھون کا مداوا کرنے والا کوئی نہیں۔ اسے ان کے دردکی حکایات لفظی چاہیے، آج چاہیے۔ اس کی جست پال تینوں کی گود میں ہے یادوں کی طرح اول علم کے میں۔۔۔ اور ایک آخری بات یہ کہ انہیں میں مختصر کے لیے یقین اپنی اور جو کوئی چد جھڈ۔۔۔

اس کا کیا رہے؟ کون کون اس کا مدی ہے؟ ”**(ہارون رشید)**

## ردی حدایت

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# Veterinary News & Views

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## HILTON'S DEWORMING CAMPAIGN



Parasites (ectoparasites & endoparasites both) are a great source of discomfort to the animals & economic loss to the farmers. Hilton Pharma has always paid special attention to provide solutions for better growth & performance of the animals.

The Animal Health Division team of Hilton Pharma conducted "Deworming Campaign" around different areas of Pakistan including Karachi, Sargodha, Lahore, Faisalabad, Multan, Rawalpindi, Peshawar & Quetta. The products used in the campaign included Oxfendazole, Oxamantel, Ivermectin, & Umeum plus injection.

Technical briefing on the products & guidelines for better livestock management was given to the farmers by different team members. These efforts were highly appreciated by the doctors & farmers of the area. With this activity the purpose of spreading awareness for reducing disease incidence

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the animals was achieved.

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## PUNJAB HOPES FOR AGRI-TECH TRANSFER VIA CPEC

Lahore: Latest agricultural technology is need of the hour to enhance per acre yield in the country and we hope the China-Pakistan Economic Corridor (CPEC) will allow for this knowledge and tech sharing. Punjab's Minister for Excise and Taxation Hafiz Muhammad said on Tuesday.

The excise minister had earlier inaugurated the 4th China-Pakistan Agriculture Expo along with Lahore Chamber of Commerce and Industry President Ahsan Hyder.

The minister hoped that CPEC would allow opening of new avenues of cooperation in the agriculture sector and transfer of technology in agro-chemicals, pesticides, seeds and fertilizer sectors. LCCI SVP Khwaja Shahzad Nasir, VP Fabius Rehman Saigal, Maggie Ma from Sub-Council of Chemical Industry, China, and

others were also present. A large number of people attended the opening ceremony and shown keen interest in farm products displayed at 50 stalls set up by Pakistani and Chinese companies.

Mr Hyder said that well performing and high yielding agriculture sector is the need of the hour as the country cannot do well without improving farming.

He said that agriculture sector cannot be left out due to inherent limitations of resources and various challenges in the way of moving from conventional method of farming to modern technologies.

The present scenario demands that both government and private sector join hands to make the most of the available resources through introducing innovative ways at affordable prices to farmers, he stressed.

We desperately require locally developed as well as imported solutions in the fields of fertilizers, pesticides, seeds and farm machinery. We are glad that our Chinese friends who have developed cost effective solutions in these areas, are offering us the same at reasonable rates, he said.

Mr Mai said that Pakistan is one of the top ten exporting markets for China and that "ourway" trade has reached \$13.2 billion and hoped that it will grow with the passage of time.

On the occasion, Mr Nasir and Mr Saigal noted that a local pesticide manufacturers were exporting their products to Middle East and African countries.

Crop Protection Association Chief Sheikh Asif welcomed growing interest of Chinese companies in the exhibition.

## SINDH'S FIRST-EVER AGRICULTURE POLICY NEEDS WELL-DEFINED PROCEDURE, SAYS FAO CONSULTANT

Hyderabad: Policy consultants of the UN's Food and Agriculture Organisation (FAO) have said that implementation of first-ever agriculture policy of the Sindh government would require well-defined procedure and added that action plan for implementation of the policy needed capacity and adaptation.

They also called for investing in research and development to achieve required target of overall seven per cent growth in Sindh's agriculture sector, which is currently three per cent. They were speaking at a strategic planning workshop on Sindh Agriculture Policy 2018-30 at a local hotel organised by the agriculture extension wing of the Sindh agriculture department here on Tuesday. The workshop was organised for agriculture officials.

Genieve Hussain, a policy consultant, talked about salient features and objectives of the agriculture policy that would be implemented from next year after it was adopted in April this year by the Sindh cabinet. The policy was drafted as a component of World Bank-funded Sindh Agricultural Growth Project (SAGP). She said that an action plan was to be prepared by line departments for consideration of the Sindh Agriculture Policy Implementation Commission in early 2019. She said that agriculture

is another way to achieve growth.

She said that agriculture policy adopted in April 2018 was to align with Sustainable Development Goals (SDGs) and it should be started in order to be implemented quickly. She said steps towards its implementation required regulatory changes, capacity development for departments concerned and technological changes. She said that all these issues would be addressed in the action plan.

She said that between 1972 and 2000 average growth in agriculture was four per cent and from year 2000 to 2017 it dropped to three per cent due to high cost of production.

It needs to be raised. She said that high-nutrient foods like pulses, milk, fish, meat and vegetables have actually become too expensive for consumers to afford. Discussing growth in farm sector, she said that regulatory framework needed to be reviewed to create enabling environment that was conducive to private sector's investment in agriculture.

Sometimes laws, legislation, regulatory regime and even subsidies need to be looked into to make sure incentives were there for private investment. She said that uptake of agriculture technology, research and development and modernisation of agriculture

## UVAS ORGANISED PETS GALA



Lahore: The University of Veterinary and Animal Sciences (UVAS) Lahore student society Vet-Care Club in collaboration with private sectors pet feed and medicines companies organised Pets Gala here in City Campus Lahore.

UVAS Chairman, Department of Clinical Medicine and Surgery Prof Dr Arif Khan and Major Kaleem Ulhaq from Remount Veterinary and Farms Corps Pakistan were the chief guest of the Pets gala while Prof Dr Anwar Zameer Dharmi, Dr Syed Saleem, Dr Zia-Ullah Mughal and a large number of people from civil society, pets lover, students and faculty members attended.

Different species of dogs, cats and birds breeds were displayed.

The main purpose was to impart demonstration, knowledge and information to the young veterinarians and also to educate pet owners regarding food and general management and health parameters of pets.

Later Major Kaleem Ulhaq chaired prize distribution ceremony and distributed shields and certificates among the pet-owner.

## PLANT-CENTRIC FOOD COMPETITION



Multan: Students of the Muhammad Nawaz Sharif University of Agriculture won two out of three positions in the plant-centric food competition held at the varsity premises on Tuesday.

Different universities, colleges and cooking institutes have created 50 stalls to display their products. Provincial among them were BAEI, Women University, Harward University, Karachi, Muhammad Nawaz Sharif University of Engineering, MNSUA, Govt College of Home Economics, CTTS College, COTIM, Pak German Institute, ETBAI Lahore.

The event had 10 categories, including starter (baati-chowki), traditional as well as non-traditional products. Dr Shabbir Khan Qadri, GM Shah Jehan, Muham Shaukat and chief of CTTS college Tahir Niaz were the judges of the competition.

First position was grabbed by Food Science dept MSC Lahore first semester students, second position was clinched by the Harward University, while third position went to EAC Agriculture Honours 7th semester students. The competitions exhibited a variety of plant-based food dishes including Mishti poori, peeta candles, lamark halwa, soybean salad, sweet potato kheer, date balls, fruit shashlik, Alsi Laddu, pea soup, sugar beet halwa, sandwich and carrot omelet. The visitors could not help praising the scrumptious dishes displayed in the competition.

MNSUA Vice Chancellor Dr Asif Ali along with GM Wolk Food Rana Nasir opened the food mela. The theme of event was promotion of plant-based food. Later, the VC disbursed cash prizes and commendation certificates among winners. A large number of students and food industry-related people attended the event. APP

## EGG CONSUMPTION CONTINUING TO RISE!

As the year 2018 is coming to its end, more and more figures on the trends in egg consumption are being published. It was already forecasted that as diets around the world become richer and more diverse due to an increase in living standards, protein are more and more part of people's healthy diet. Today, eggs are one of the fastest growing hashtag # protein in the world, with according to Rabobank more than 50% growth forecast in the next 2 decades.

Let's give you some examples. USA's projected 2018 per capita egg consumption for the USA is 278.9 this is an increase of almost 15% since 2016 (242.8 eggs per capita).

In 2017 UK per capita egg consumption was 196 eggs, an increase of almost 9% since 2010 (180 eggs per capita). However, it is in emerging markets, where consumers seeking affordable and diverse protein sources, that eggs per capita consumption is growing at the fastest pace. A good example is India, where the per capita consumption of eggs went up.

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## MAKING THE MOST OF YOUR FLOCK

Having great genetic potential is one thing, making the most of it is another. That's why the recent Lehmann distributor meeting focused on management. Both sharing the latest insights, and revisiting more well-known practices that might still need attention.

Kirsten Graumanns: An editor for Pluimveehouderij magazine

Good management is a continuous process. While conditions may vary extremely depending on where in the world you are situated, everyone wants to make the most of its flock. In the layer industry, the growing trend of cage-free adds to that challenge. It requires adjustments in management for those who make the move. During the recent Lehmann Franchise Distributor Meeting, both the latest insights in good management were shared, as well as other insights that might still need attention. Cage-free was certainly a recurring theme. At the same time, for those who operate in parts of the world where cage-free is turning into the new standard, it's good to realize that the majority of layers worldwide is still in cages. As Lehmann managing director Javier Ramírez reminded everyone: 90% of the laying hens worldwide are kept in cages. When cages are in some parts of the world the former way to produce, the breeding company helps producers in other parts of the world to actually get the birds off the floor and in the cage. These differences require adjustments in management.



Lehmann nutritionist Robert Putgarter (archive picture) stresses the importance of good management in the rearing period, the basis for success.

While in others flocks surpass the standard range, the flocks that surpass the standards potentially get restricted in its total intake, against being over-weight. When that happens during the second part of the rearing period, around the age of 14-16 weeks, that's a risk. It's during that time that the growth of the reproductive tract starts, as well as that of the molcular bone which plays an important role in producing the egg shell later on. A critical phase to start restricting the birds, Dr Schmitz said. It's during this time that the body is actually getting the birds off the floor and in the cage. These differences require adjustments in management.

Nest to feed management, light management was on the agenda. Lehmann's technical service coordinator Farhad Mozafer looked back on what was assumed some years ago that birds are the same as humans. A totally wrong assumption. The human vision is limited compared to that of poultry. Next to the spectrum of what humans see, birds also see infrared and ultraviolet.

"They are more developed than us for seeing," he declared. Where a human sees 25 to 30 images per second, a chicken sees 150 to 200. That means that lighting that seems perfectly fine to the human-eye, might have a disco effect on the chicken. Mozafer stressed the importance of adjusting the lighting to the sight of the chickens, while also admitting that poultry science is still at the start of knowing what exactly a chicken sees. But some general tips don't go for the cheapest option available, and choose lighting specifically designed for poultry. Mozafer referred to the growing cage-free trend as well, who would have thought a few years ago that this trend might spread like it has.

"It's a change in recommendation," he concluded. "It's a change in recommendations." Rearing period Lehmann nutritionist Robert Putgarter added, stressing the importance of good management, facilities, climates, and management, among other things. In certain parts of the world, it's difficult to reach the recommended weight range, he said. "There are many reasons for this," he explained. "It's a change in recommendation."

## MATO GROSSO: FROM SOY STATE TO CORN STATE

According to a new report by Rabobank (Mato Grosso Cornering the market), corn production in the Brazilian state Mato Grosso reached 26.4 million tonnes in 2017/18 season. This is 33% of the total Brazilian corn production and 15 times the volume produced in 2000/01 (1.8 million tonnes).

**Adding value to corn**  
Increasing corn production and low local prices have focused the attention of corn-processing industries and of farmers on opportunities to add value to corn within the state. In recent years, efforts to add value to grain production within the state have resulted in expansion of animal produc-

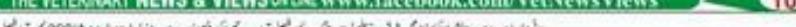
tion production (the most traditional means of adding value) and construction of a number of corn-based ethanol plants, with more in development. Regarding animal production, beef, pork and poultry production in Mato Grosso are expected to increase to 1.7 million tonnes, 0.75 million tonnes and 0.30 million tonnes by 2023. This represents an additional 800,000 tonnes of animal protein. This is an increase of 40% compared to the current production.

**Interest in corn ethanol and by-products**  
Assuming that all projects announced to date are completed, Mato Grosso's corn ethanol production capacity

is expected to increase from 0.6 billion litres to 2.0 billion litres in 3 to 5 years. The investment in corn ethanol is not limited to larger corporations. Farmers in Mato Grosso are also starting small-scale, on-farm ethanol plants (e.g. 10 million litres capacity) as alternatives to add value to their corn. The idea is to produce ethanol and use it for animal feed, such as for cattle in feedlots. According to Rabobank, estimates (assuming prices in September 2018), such an investment would boost revenue by 150% compared to simply producing and selling corn.

**Increase corn to continue**

Rabobank expects that in the future more corn will be planted as a second crop on the soybean fields in Mato Grosso. The projected corn production in Mato Grosso is 43 million tonnes in 2022/23. This is 27 million tonnes more than this year. Local consumption is expected to increase from 5 million tonnes to 10 million tonnes during this period, suggesting that the state's export surplus should rise from 16 million tonnes to 24 million tonnes by 2022/23.



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