

Biovet News

A NEWSLETTER BY BIOVET(PVT) LTD.

Achievements 2013



CEO's: Mr. Imran Ali and Mr. Han Defauwes

Yet Another Milestone for Meyn: Ali Group of Companies

Netherlands

Ali Group of Companies, a prominent name within the Pakistan industry, has recently signed an agreement to set up a fully automatic, state of the art poultry processing plant with a capacity to process 3000 birds per hour expandable to 6000 birds per

hour. In addition, for the first time in Pakistan, a cut-up line has been introduced in complimentarity to the processing steps. The agreement was signed in Netherlands, Meyn head quarters. The signing ceremony was attended by Mr. Imran Ali (CEO, Ali

Group), Mr. Ahmed Waqas (CEO, Bio-Vet), Mr. Han Defauwes (CEO, Meyn), Robert Birkhoff(Vice Chairman, Sales) and Mr. Karel De Waal (Area Sales Manager, Meyn).

MEYN

Poultry Processing Solutions



ALI GROUP

Genetics & Hatchery Management



Environment Control Farming & Management



Feed Machines & Feed Ingredients



Processing & Packaging



Innovative Recipes & Ingredients



Refrigeration & Storage



Outlet & Branding





. Robert Birkhoff, Imran Ali, Mr. Karel De Waaal, Mr. Ahmed Waqas, Mr. Raja Naveed



Mr. Karel De Waal, Mr. Imran Ali, Mr. Ahmed Waqas



Mr. Robert Birkhoff and Mr. Imran Ali



Mr. Raja Naveed, Mr. Robert Birkhoff, Mr. Imran Ali, Mr. Karel De Waaal, Mr. Ahmed Waqas

Strategic Alliance with Descon Engineering Limited



Lahore, Pakistan

To expand into the arena of high quality local fabrication, Bio-Vet signed an agreement with Descon Engineering Limited (DEL) in early 2013. DEL is an integrated engineering services and manufacturing company operating in Pakistan and the Middle East, delivering client-specific

solutions for a wide array of industries including Energy, Chemical and Infrastructure sectors to name a few. In the initial phase, the core aim of this strategic alliance is to provide local fabrication solutions to the poultry feed and processing industry of Pakistan. The subsequent goal is to expand

the scope operations to the Middle East. It is worthy to mention that this is the first time in the history of the poultry feed and food industry, that organized players have come forth to provide engineering services to the local market.

GEA-FS Presents Shields at Gulfoods



Dubai, U.A.E.



Gulfoods, the one of world's biggest annual food and hospitality exhibition is famous for its inspiring and dynamic features, live events and its product showcase. In February 2013, Gulfoods provided an unrivalled opportunity for investors and visitors to source and select from an incredible global product showcase.

On this auspicious event, Mr. Robert Schmiehusen (Global Head Sales, GEA-FS) presented shields Mr. Tariq Ullah Sufi (CEO, Sufi Group of Companies), Mr. Mustafa Kamal (MD, Big Bird) and Mr. Anwar Hussain (MD, Dawn Foods) as a GEA - FS Partner in the further foods industry of Pakistan.

VIV Asia Visit: Meyn Dealer Conference, Shields etc

VIV Asia, Bangkok

VIV Asia is the international platform for trade shows encapsulating all nodes between the Feed to Meat industry. This year, at this well known event, Meyn Food Processing Technologies concluded a major contract with Big Bird Group from Pakistan to provide state-of-the-art systems and equipment for a poultry processing

plant. Mr Robbert Birkhoff, Vice Chairman of Sales at Meyn said, "With innovations on display and a huge number of visitors to our stand, we can confirm that our participation at VIV Asia was an outstanding success! We are proud of the contract with Big Bird Group to construct the largest automated poultry plant in Pakistan. Moreover, Bio Vet

has been our most successful partner in Pakistan"

At the closing ceremony, Mr. Ahmad Waqas was also offered a shield for his tremendous work and achievements in the poultry sector of Pakistan. Hats off to Bio-vet as most successful partner in region.



Bingshan Installs first Spiral freezer in Pakistan



Quick Foods entered into an agreement with Bingshan to purchase a spiral freezer with a capacity of 500kg/hr. The spiral freezer, with an adjustable freezing time

and temperature, can be used for a wide array of products. During the installation phase, a team of Chinese engineers flew down to the site in Lahore for nearly three

weeks. They were accompanied by Mr. Zulfiqar Ali, After Sales Executive, Bio-Vet.

Neat Foods Installation by Meyn Team



Poultry Processing Solutions



Neat Foods

Lahore, Pakistan

Neat Foods (Pvt) Ltd, an entrant in the poultry processing industry, has recently completed the initial installment phase of their plant. This was undertaken by a three member team of Meyn (Netherlands) Processing Technology

with the assistance of Mr. Zulfiqar Ali (After Sales and Installation Executive, BioVet). In accordance with its plan, Neat Foods is setting up a chicken slaughtering facility in Lahore with a capacity of 3,000 BPH expandable to

6,000 BPH. The plant will be equipped with state-of-the-art equipment and will comply with international operating and food safety standards. Neat foods will process fresh and frozen chicken for the local and international market.

Kausar , Asia , Supreme ,High Tech & Khushal Feeds - La Meccanica Orders



La Meccanica
SLR di Reffo

Lahore, Pakistan

La Meccanica (est. 1961), an Italian company, holds extensive experience in the pelleting process and is consistently growing both in terms of turnover as well as the number of employees. In its early years the company collaborated with some of the leading Italian industrial groups for manu-

facturing machine tools that contributed to development of its expertise on the technological as well as the organizational front.

In FY'13, La Meccanica has achieved another success in feed industry of Pakistan. The company entered into an

agreement with the Kausar Feeds, Asia Feeds, Supreme Feeds and High-Tech Feeds; which are significant players in the feed and poultry industry in Pakistan, to provide feed machinery and equipment.

Neat Foods order of Dalian Bingshan Group Co. Ltd

Lahore, Pakistan

The Dalian Bingshan Group has a distinct reputation in meeting industrial refrigeration and air conditioning needs in China and

abroad. This year, the group signed an agreement with Neat Foods (Pvt.) Ltd. to provide some of refrigeration system for



processed chicken. It is expected that Neat Foods will commence production at the end of this year.



Supreme Farms - Valco Order

Lahore, Pakistan

Supreme Farms (Pvt) Ltd., a subsidiary of National Group of Companies, is a decade-old player in Poultry Breeder Farms, Hatcheries & Broiler Farms. In FY'13, Supreme Farms once again joined hands with Valco to expand its breeder

farming business. The new equipment has been successfully installed.

broiler and breeder birds. This not only enables Supreme Farms to maintain quality and consistency but also helps in meeting international standards.

Employee Training

Lahore, Pakistan

Employee training is essential part of Bio-Vet's human resource development (HRD) plan and its success over the years. We believe that HRD is strongly correlated with personal and professional growth of

employees as well as the competitive edge of the company. In order to improve design comprehension of machinery installations, farm, feed mills and processing plants, Mr. Zulfiqar Ali (After Sales and Installation



Supervisor) attended a 6 weeks training session on the use of AutoCAD, a software application for computer-aided design (CAD) and drafting.

ISO 9001: 2008 Certification Course

The TUV Austria Bureau of Inspection & Certification (Pvt.) Ltd, Previously Moody International (Pvt.) Ltd., offers independent third party inspection, monitoring and certification services to a broad spectrum of industry against various international standards. This year, Ms. Sakina Husain

(Manager Research & Development, BioVet Pvt Ltd.) attended a 5 day Lead Auditor Training Course for ISI 9001:2008. The course is registered with IRCA for the training element which can lead to IRCA Registration as an International Lead Auditor of ISO 9001:2008. This course



imparts knowledge regarding interpretation of 9001:2008 standard, the implementation and documentation requirements of a Quality Management System, conducting audits and identification of areas for improvement.

SASSO: Free- Range Chicken, Now in Pakistan

Bio-Vet recently joined hands with SASSO, a world-leading breeder of traditional farm poultry, offering customized, colored as well as organic, free-range breeders to countries all over the world. Research in nutrition and developments in selection techniques have enabled SASSO to continually improve the economic performance of its

stock without compromising their inherent quality. The result has been the development of strains that are cost-effective for producers and full of flavor for consumers. The formal launch will be held during IPEX, on the 27th of September, 2013 where Mr. Louis will be delivering a presentation on SASSO's scope and details.



Sadiq Group Shakes hands with Kohshin Engineering



Sadiq Group is a major player in the poultry industry. The group boasts of maintaining the largest parent stock of broiler and layer chicks, housed in 15 state of the art facilities. Recently, Sadiq Brothers entered into an agreement with Kohshin Engineer-

ing to purchase composting equipment that processes poultry manure into organic fertilizer. So far, this is the most distinct sale undertaken by Kohshin in Pakistan. Poultry based compost is known to be of high mineral value and has resulted in high

productivity in agri/horticulture internationally. Bio Vet is an exclusive representative of Kohshin in Pakistan.



Big Bird Invests in Composting

The Big Bird group entered into an agreement with Kohshin Engineering for purchase of composting equipment, namely KNLL 4000 with a processing capacity of 8

tons per day with 70% moisture, and, 2 tons output daily. The machinery has been successfully delivered and installed accompanied with effective trial runs.

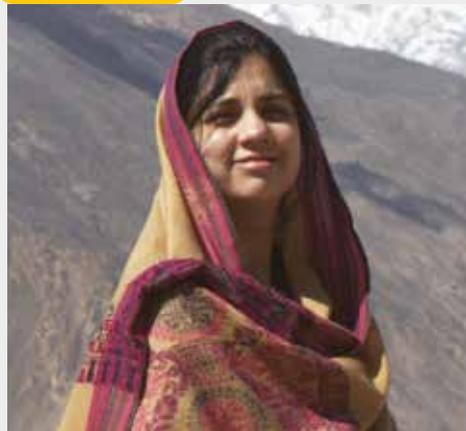


Team Iftar Hosted by Bio-Vet



This Ramzan, Bio Vet hosted a team Iftar at Pallilos. In addition to the Directors and staff at Bio Vet, the Chinese Team from Bingshan also attended the event. It was a pleasant evening, where the team got to interact in an informal way. Excerpts from Our Team:

Sakina Husain



Manager Research & Development/Alliances

Bio-Vet offers its employees with a global platform to exercise their creativity and hone their skills. Having spent around five years at LUMS, the nature of my position satisfies my need to be versatile by offering a unique blend of learning experiences and catering to plural aspects of the organization. With about 15 companies on our panel, the continuous drive to learn, persuade and deliver keeps the interest and excitement alive.

Zulfiqar Ali- After Sales Executive

I have about 15 years of experience in

installations and maintenance of feed mills, and, poultry processing and further foods plants. At Bio-Vet, I have been recently involved in PP installation at Neat Foods and Spiral Freezer installation at Quick Foods. As the organization grows, so do !!

Muhammad Tariq Khattak



Manager Business Development

I believe that the fundamental event in poultry industry today and in the foreseeable future, is a dramatic restructuring of the customer mind set and buying behavior in large cities. Working at Bio Vet inspires me to learn about critical stakeholder behaviors in the poultry

value chain, and to create win-win relationships in the industry.

Noman UI Haq



Manager Corporate Sales

The best part of Biovet that makes it a perfect work place is the autonomy to take decisions. Although my journey with the company does not go very far, but even in this short span of time, I have found good learning avenues to augment my own capabilities and skill set. A major part being played by my peers, whose support I always rely on for every decision I use to take.

Case Study: Organic Fertilizer

The Natural Way to Productivity!



What is Composting?

Organic compost is a soil enricher. Composting is a method through which decaying organic matter and animal manure can be turned into a rich nutrient source for crops and plants. Although an age-old concept, technological development has enhanced its applicability towards large-scale, industrial production. The advantages of this approach are numerous. In addition to increments in yield and soil quality, there results a substantial reduction

in landfills as well as transmission of harmful bacteria into underground water sources.

Compost vs. Fertilizer

In the academic sense, compost is usually not recognized as a fertilizer, as the latter is chemically designed to meet the needs of plants. In doing so, fertilizers are often attributed with deterioration of the soil web and growth inhibition of good quality microbes in soil. On the other hand,

compost encourages disease resistance and timed release of nutrients with plants. Soil that is regular treated with compost is dark and crumbly and requires fertilizer use in much smaller amounts when compost and fertilizer are being used in tandem. Moreover, while fertilizer needs vary with plant and crop type, the application of compost is quite general. The use of compost and fertilizer together may improve nutrient release to plants as per their requirement.

How is Composting done?

Composting is process of fermentation of animal wastes resulting in an even density of nutrients in the final product referred to hereby as organic fertilizer. The process involves supplication of oxygen to aerobic (oxygen-requiring) micro-organisms that lead to their growth and multiplication in addition to expediting the decomposition process. The result is generation of heat, vapor and carbon-dioxide and most importantly (harmful) bacteria free organic compost.

The prerequisites to successful composting comprise moisture content in manure adjusted to 65-70% and temperature control. The compost production process spans over 3-4 weeks. Generally, soil enrichment through compost should be undertaken within 120 days post crop harvest. Reinstating, the use of fresh manure is strongly discouraged due to the presence of harmful bacteria and uneven distribution of nutrients.

Relevance to Pakistan

The agriculture and livestock sector in Pakistan contribute more than 20% to the national output. While these sectors coexist, the rise of composting can prove to be a great way to enhance their mutual sustainability.

While several inputs can be used to produce compost, within the poultry sector specifically, layer manure is a preferred input for compost as compared to broiler manure. This is because the latter when mixed with bedding material (e.g. rice husk) at the control shed level is not conducive to

the production of good quality compost. However, at layer farms with a cage system, manure is unadulterated and its collection is much more efficient.

The nutrient composition of poultry manure varies with the type of bird, feed ration and proportions of droppings to litter, the handling systems of the manure and the types of litter. However, the most common nutrients are Potassium, Nitrogen and Phosphorus. In Pakistan, with the fast-paced development of poultry industry, large quantities of poultry litter are produced. However, the common practice

Benefits of Compost

- ✓ Improves the soil structure, porosity, and density, thus creating a better plant root environment.
- ✓ Increases infiltration and permeability of heavy soils, thus reducing erosion and runoff.
- ✓ Improves water holding capacity, reducing water loss and leaching in sandy soils.
- ✓ Supplies a variety of macro and micronutrients.
- ✓ May control or suppress certain soil-borne plant pathogens.
- ✓ Supplies significant quantities of organic matter.
- ✓ Improves cation exchange capacity (CEC) of soils and growing media, thus improving their ability to hold nutrients for plant use.
- ✓ Supplies beneficial microorganisms to soils and growing media.
- ✓ Improves and stabilizes soil pH.
- ✓ Can bind and degrade specific pollutants.

Source: US Composting Council

General Nutrient Properties of Compost (dry weight basis)

	% nutrient content		
	N	P	K
Poultry Manure	2-4	1-3	1-3
Feedlot Manure	2-3	1-1.5	1-2
Dairy Manure	1-2	0.5-1.5	1-2
Urban Yard Waste	1-1.5	0.2-0.5	0.5-1.5
Crop residue	1.5-2.5	0.2-0.5	1-2

Source: VRIC, University of California

is to use poultry manure as a burning fuel. It is easy to prove that this practice is perhaps the most inefficient way of using manure as

composting not only opens the door to better agriculture productivity but it also carries an opportunity to make profits.

While poultry litter is sold at Rs. 2/kg, the market value of compost is at least Rs.10/kg.

Compost-Final Product

The final product bears very little resemblance to its source. Odorless and pelleted, it is easy to use for even distribution across fields. However, the timing and quantity for compost application varies with the type of

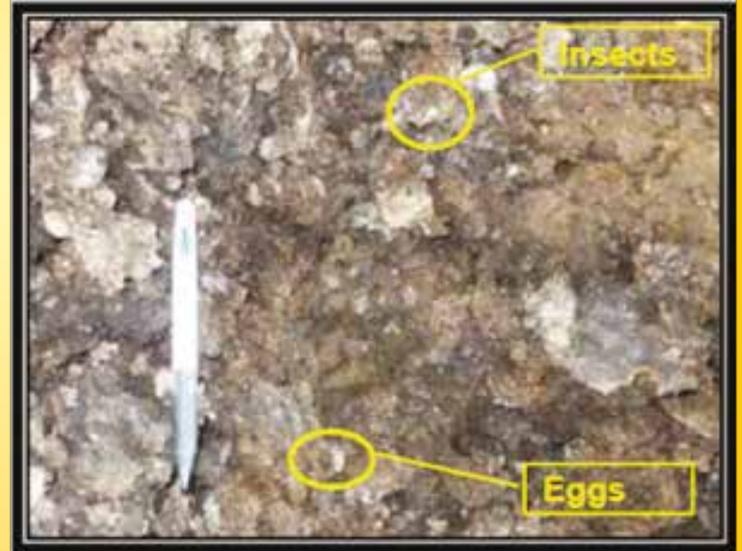
plants.

Several experiments related to the use of compost have resulted not only in an increase in yields but also better color, size and taste of the final product especially

fruits and vegetables.

For more information:

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Corporate Social Responsibility (CSR) The Case of Roshni Homes



Corporate Social Responsibility (CSR) is the commitment of a business or company towards creating value that improves the standard of living for local communities they operate in. CSR is about giving back to the society in the form of initiatives and projects that directly or indirectly render a positive impact on the lives of the local communities and all stakeholders.

CSR has come of age in Pakistan with direct contribution of Rs 14 billion each year, not to mention contributions in kind which are not quantified. Many multinationals and local blue chips are now focused on helping the needy and support their cause of basic necessities with major emphasis on education and development of skills among the deprived. Better understanding of the potential of CSR for the progress of national

economy could encourage the spread of CSR especially in underdeveloped towns and rural areas that are in desperate need of community and economic development programmes and initiatives.

Pakistan offers wide range of tangible opportunities for responsible businesses seeking to make a difference in the lives of ordinary people through CSR initiatives, the segments open for support are healthcare, education, sanitation, skill development. Against this backdrop, Roshni Homes is a project initiated to help support orphaned children through fulfilling their basic needs; providing them with shelter through purpose-built homes, along with food, clothing and health care. All this is being done with major emphasis on their education enabling them to become productive

citizens upon completion of their academic life.

These kids are enrolled with the best schools of the region and supported by programmes which supplement their efforts towards high academic achievements. CSR initiatives by various organizations and companies have supported this noble cause since inception of this enterprise more than a decade back.

Any contribution or support to this project will only guarantee the well being of orphans to excel and transform their lives into a bright future which they could never have dreamed of.

For more information please contact us at <http://www.roshnihomes.org>

