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Enhancing Poultry Farming Fly Control Solutions at Namakkal Seminar

The AVINOVA (Poultry) division of Provet participated in and exhibited stall at the Technical Seminar on Poultry Farms, Fly Problems, and Solutions held at Hotel Nala in Namakkal On 6th August, 2024. This landmark event was organized to discuss innovative strategies and products designed to tackle fly-related challenges in the poultry sector.

The one-day event provided an excellent opportunity for the Avinova South 1 Team to enhance their presence and create a dynamic, interactive platform for business development. **Dr. Jayastephen, Technical Manager,** delivered an insightful presentation on "**Fly Management in Poultry Farms,**" which covered essential insights and practical tips for poultry farmers. The presentation was well-received by the audience.



The Provet stall attracted a substantial number of visitors, including renowned consultants, farmers, and entrepreneurs with shared interests. The company showcased its latest products and innovative fly control solutions, such as **Bamercin Plus, Nagronex SNB, Larvostat 100, Larvostat Gold, and Larvostat Natura**, highlighting their benefits and applications in poultry farming. Attendees were encouraged to engage, ask questions, and explore the product displays.

This expo was not just an event; it was a vibrant gathering aimed at advancing the poultry industry. It provided a valuable platform for Provet to connect with new customers and reinforce its commitment to offering effective solutions for fly management in poultry farms.

Stress Management in Shrimp Farming

-Dr. Vijay Sundar Deva

Assistant Product Manager - Blunova
Provet Pharma Private Limited

Introduction

The expansion of commercial aquaculture over the past two decades has been remarkable. It's become a crucial source of seafood, especially in developed countries where demand for fish and shrimp has surged. Aquaculture helps meet this demand while reducing the pressure on wild fish populations, which have been increasingly stressed by overfishing and environmental changes. Managing stress in shrimp farming, especially in relation to diseases, involves a combination of preventative measures, early detection, and effective responses. Stress can weaken shrimp, making them more susceptible to diseases. Here's a comprehensive approach to managing stress in shrimp farming to reduce disease risks:

1. Preventative Measures

Biosecurity

Quarantine New Stock: Isolate new shrimp and other aquatic species before introducing them to the main system to prevent disease introduction.

Disinfection Protocols: Regularly disinfect equipment, tanks, and ponds to minimize pathogen presence. Use appropriate disinfectants and follow recommended procedures.

Controlled Access: Limit access to the farm to prevent the introduction of contaminants. Use protective clothing and disinfect footwear and hands.

Water Quality Management

Regular Monitoring: Continuously monitor water parameters such as temperature, salinity, pH, ammonia, nitrite, and dissolved oxygen. Sudden changes or extreme values can stress shrimp and trigger disease outbreaks.

Efficient Filtration and Aeration: Maintain high-quality filtration and aeration systems to ensure optimal water conditions and reduce the risk of disease.

Nutrition

Balanced Diet: Provide high-quality, nutritionally balanced feed to support immune function and overall health. Include essential vitamins and minerals to enhance disease resistance.

Feeding Practices: Feed shrimp at regular intervals and avoid overfeeding, which can lead to water quality issues and stress.

2. Early Detection and Monitoring

Health Monitoring

Regular Inspections: Frequently check shrimp for signs of disease, such as unusual behaviour, discoloration, lesions, or decreased feeding. Early detection is crucial for effective management.

Sampling and Testing: Conduct regular sampling and testing of water and shrimp tissues for pathogens. This helps in identifying potential disease threats before they become widespread.

Behavioural Observation

Monitor Behaviour: Watch for changes in shrimp behaviour, such as lethargy, erratic swimming, or congregating at the water surface. These can be early indicators of stress or disease.

3. Response Strategies

Treatment and Management

Isolate Affected Stock: If disease is detected, promptly isolate affected shrimp to prevent the spread of the disease to healthy individuals.

Appropriate Treatment: Use effective treatments based on the specific disease identified. Follow veterinary advice for medication and ensure proper dosing to avoid resistance development.

Adjust Environmental Conditions

Optimize Water Conditions: If stress is contributing to disease, adjust water conditions (e.g., temperature, salinity) to stabilize the environment and reduce additional stress.

Reduce Stocking Density: If overcrowding is a problem, reduce stocking density to alleviate stress and improve water quality.

4. Long-Term Management

Genetic Selection

Disease-Resistant Strains: Consider using shrimp strains that have been selectively bred for disease resistance. This can reduce the overall risk of disease in your farm.

Training and Education

Staff Training: Ensure that farm staff are well-trained in disease management, including recognizing symptoms, implementing biosecurity measures, and applying treatments.

Record Keeping

Maintain Records: Keep detailed records of water quality, feeding practices, health observations, and disease outbreaks. This data helps in understanding trends and improving management practices.

5. Environmental Enrichment

Improve Habitat: Enhance the physical environment of the shrimp to reduce stress, such as providing shelters or structures that mimic natural conditions. By focusing on these areas, shrimp farmers can significantly reduce the risk of disease and manage stress more effectively. Proactive measures and a well-organized approach are key to maintaining a healthy and productive shrimp farming operation.

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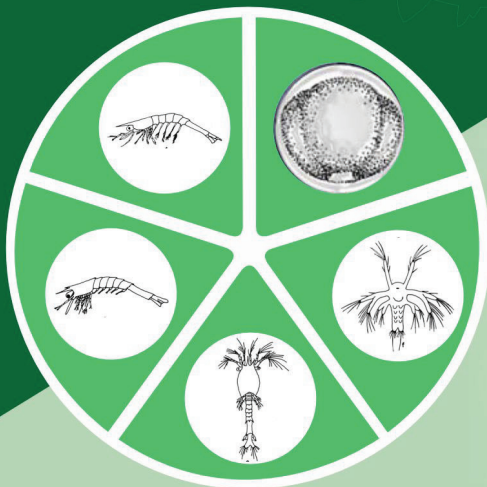
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Stimulates Immune System

Helps in overall performance & productivity



Training The New Hatch

Provet organized a comprehensive Freshers Training Programme for the newly joined employees of AVINOVA division, from August 12th to 14th, 2024, at the company's Corporate Office. This program aimed to equip the participants with essential knowledge and skills to excel in their roles. During the three-day event, the new employees were introduced to a variety of crucial topics, including industry basics, product knowledge, selling skills, objection handling, customer assessment, competitor analysis, and product insights. The goal of this program was to empower the new employees with the necessary tools and knowledge to guide customers effectively, help them make informed decisions and choose the right solutions for rearing healthy livestock.

To help the new employees unwind and relax after their intensive training, a one-day sightseeing tour of Chennai was arranged. The team visited several notable locations, including:

- A temple, offering a glimpse into the spiritual and cultural heritage of the region.
- Dakshin Chitra Heritage Museum, where they explored the rich traditions and history of South India.
- Muttukkaadu, where they enjoyed boating and the scenic beauty of the backwaters.
- Crocodile Bank, where they observed various species of crocodiles and learned about their conservation.

Everyone seemed to have a wonderful time during the sightseeing tour, creating pleasant memories to carry home.



A Memorable Day at Green Meadows Resort

On the 10th of August, our office team embarked on a delightful picnic to Green Meadows Resort in Palavakkam, Chennai. The resort, known for its lush greenery and tranquil ambiance, provided the perfect backdrop for a day filled with fun and relaxation.

Activities and Fun: The day was packed with various activities that kept everyone engaged and entertained. We opted for indoor activities, which allowed us to conserve our energy and avoid the scorching heat outside. From team-building exercises to leisurely games, there was something for everyone to enjoy. The resort's spacious indoor facilities made it easy to organize and participate in these activities.

One of the highlights was the Tambola game, which brought out the competitive spirit in everyone. Prizes were given out for many activities, including Tambola, to encourage active participation and add an extra layer of excitement.

Enjoying the Serenity: One of the highlights of the day was simply soaking in the serene atmosphere of the resort. The peaceful surroundings and the calming environment allowed everyone to unwind and recharge.

At the swimming pool area, seeing children having fun in the water who had arrived for an evening birthday party created a joyful and lively environment. Watching them have a great time with their parents and friends added to the overall charm of the day.

Delicious Lunch: The resort's in-house restaurant served a delicious lunch that was a hit with everyone. The variety of dishes catered to different tastes, ensuring that all team members had a satisfying meal. The food was not only tasty but also beautifully presented, adding to the overall experience.

Team Bonding: Perhaps the most significant aspect of the picnic was the opportunity it provided for team bonding. Away from the usual work environment, team members had the chance to interact more casually and get to know each other better. This helped strengthen relationships and foster a sense of camaraderie within the team.





India competed at the 2024 Summer Olympics in Paris, France, that was held from 26 July to 11 August 2024. Indian athletes have appeared at every edition of the Summer Olympic Games since 1920 and the Paris Games edition marked India's 26th appearance at the Summer Olympics.

The Indian contingent for the 2024 Olympics consisted of 110 athletes who competed in 16 sports. They won six medals including a silver and five bronze. The country was thus ranked 71st amongst the 206 Committees that participated in the Olympics. This was India's third-highest medal haul after the 2020 Summer Olympics and 2012 Olympic Games respectively. Manu Bhaker won two bronze medals in shooting and became the first Indian to win two medals in a single Olympic Games since Independence.

The Indian Contingent

The Indian contingent for this year's games consisted of

117 athletes: 110 competitors and 7 alternates, in addition to 118 support staff and 22 officials. Gagan Narang was appointed as the Chef de mission aka head of mission while Shiva Keshavan was chosen as his deputy. P. V. Sindhu and Sharath Kamal were the designated flag-bearers for the opening ceremony of Paris 2024 whereas Manu Bhaker and P.R. Sreejesh were the flagbearers at the closing ceremony.

India House

For the first time in Olympics history, India inaugurated its own house. The India House was established by the Reliance Foundation and Indian Olympic Association. Located at Parc de la Villette in Paris, this cultural and hospitality hub has become a beacon for Indian athletes, their families, and supporters.

This initiative marks India's first-ever dedicated hospitality house at the Olympic Games, a testament to the nation's growing stature on the global sporting stage.

India's Medal Tally

India won six medals in total including one silver and five bronze, three of which come from shooting. This was India's joint second highest total medal haul after the previous Games. Manu Bhaker won the first medal for India in the women's 10 m air pistol event. She won a bronze medal and became the first woman shooter to win an Olympic medal for India. In the mixed 10 m air pistol team event, she partnered with Sarabjot Singh to win another bronze medal, thus becoming the first Indian since independence to win two medals in a single Olympics.

Swapnil Kusale then won another bronze medal in the men's 50 m rifle three positions event. This became India's seventh shooting medal across the Olympic Games.

The men's field hockey team won the bronze medal in the men's event after they defeated Spain in the match for the third place. This was the country's second consecutive bronze in men's hockey at the Olympics.

Neeraj Chopra then won a silver medal in the men's javelin throw event. With his gold medal in the 2020 Olympics, he became the fifth individual multiple medalist for India and first to win a gold and silver combination.

Aman Sehrawat won a bronze medal for India in the men's freestyle 57kg wrestling event. The 21-year-old became the youngest Indian to win an Olympic medal.

Key highlights:

India's journey at the 2024 Paris Olympics was filled with both triumphs and challenges.

Ups:

- Manu Bhaker's Performance:** Manu Bhaker shone brightly, winning two bronze medals in shooting. She became the first Indian to win two medals in a single Olympic Games since Independence.
- Swapnil Kusale:** Swapnil Kusale secured a bronze medal in the 50m Rifle 3 Positions event, adding to India's tally.
- Hockey Team:** The men's hockey team put up a strong fight, making it to the quarterfinals and showcasing their growing prowess on the international stage.

Lows:

- Medal Tally:** Despite some individual successes, India's overall medal count was lower than expected, with only one silver and five bronze medals.

- High Hopes, Mixed Results:** Several athletes who were strong contenders for medals, such as in badminton and wrestling, fell short of expectations.
- Team Sports:** While the men's hockey team performed well, other team sports like women's hockey and football did not progress as far as hoped.

The talk of the town moment:

Vinesh Phogat's disqualification from the Paris Olympics 2024 became a major talking point for several reasons:

- Narrow Margin:** She was disqualified for being just 100 grams over the weight limit for her 50 kg category. This small margin made the disqualification particularly heartbreaking.
- High Stakes:** The disqualification occurred just before her gold medal match, which added to the drama and disappointment.
- Political Reactions:** The incident sparked a political debate in India, with opposition leaders alleging that she was a victim of sports politics.
- Emotional Impact:** Vinesh Phogat announced her retirement from wrestling shortly after the disqualification, expressing her heartbreak and exhaustion.

To Conclude:

Overall, the Paris Olympics were a mix of memorable achievements and learning experiences for Indian athletes. The focus now shifts to building on these experiences for future competitions, including the 2028 Los Angeles Olympics.



The Crying Baby!

During my recent flight from Bangkok to Chennai, a poignant scene unfolded before my eyes. I found myself near a crying baby whose relentless wails seemed to echo through the cabin, stirring a mixture of emotions among the passengers. Some were visibly restless, their yearning for sleep thwarted by the persistent cries, while others engaged in murmurs of exasperation regarding the presence of such a young child on the flight. In her valiant attempts to soothe her infant, the mother began to show signs of diminishing patience, while the father appeared visibly embarrassed by the unfolding situation.

The evocative scenario led me to reflect on a series of probing questions:

1. Were the passengers restless solely due to the presence of a crying baby, or was their agitation rooted in a lack of sympathy for the child's predicament?
2. Were the whispers of discontent among the passengers directed solely at the crying baby, or did they stem from a fundamental lack of empathy for the child and its parents?
3. Did the mother's faltering tolerance arise exclusively from the incessant cries of her baby, or was it indicative of a broader lapse in patience?

4. Was the father's evident embarrassment solely due to the baby's crying, or did it stem from a sense of helplessness in managing the situation?

It became evident that the crying baby, undoubtedly a catalyst, was not the sole cause of the turbulence within the cabin. Rather, the passengers' collective lack of emotional intelligence seemed to amplify the situation, eclipsing the child's plaintive cries.

Reflecting on this, I realised that we were once all like that crying baby, expressing our primal needs through tears—a universal language of infancy transcending cultural boundaries.

In the present context, despite our ability to traverse the skies at thousands of feet above sea level, our capacity for emotional understanding has not kept pace with our technological advancements.

Derivation from the above:

This dissonance begged the question: What value lay in our advancements in material comfort if they did not parallel an elevation in our capacity for empathy and understanding?

Considering this, I found myself echoing a resounding sentiment: Let the baby cry but let us not weep in remorse for our collective deficit in understanding and compassion.

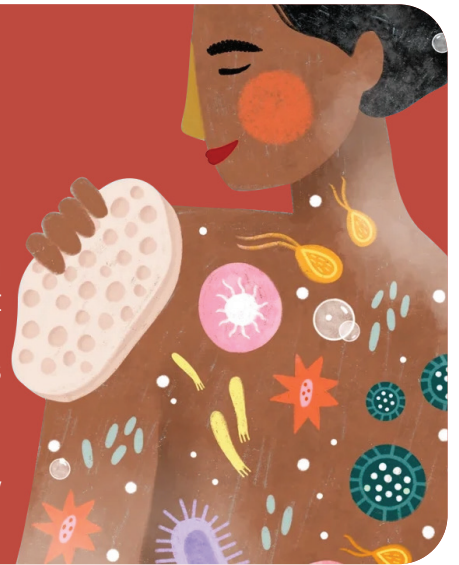
Courtesy - M. L. Narendra Kumar



The Happy Microbiome: Nourish All of Yours

Microscopic creatures including bacteria, fungi and viruses can make you ill. But what you may not realize is that trillions of microbes are living in and on your body right now. Most don't harm you at all. In fact, they help you digest food, protect against infection and even maintain your reproductive health. We tend to focus on destroying bad microbes. But taking care of good ones may be even more important.

One of the most important things microbes do for us is to help with digestion. The mix of microbes in your gut can affect how well you use and store energy from food.



THE GUT MICROBIOME:



The gut microbiome refers to all the microorganisms living in the digestive system. It is individual to each person and is important to digestive health as well as to overall health. The gut microbiome is made up of all the microbiota that live in our intestinal tracts, including the stomach.

Behind the curtain, our gut is responsible for putting our body into working order. As it breaks down the foods we eat, our gut absorbs nutrients that support our body's functions — from energy production to hormone balance, skin health to mental health, and even toxin and waste elimination.

GUT HEALTH:



You've probably heard the phrase, "You are what you eat." And guess what? The adage is pretty accurate when you consider that your gut health has a far-reaching impact on your overall physical health, immunity, risk for chronic conditions, mental health and more.

But how are those connections made between your gut and the rest of your body, and what does gut health actually mean? Let's plunge right in.

Gut health isn't just about good digestion. Here's why it's essential for overall health. From the oesophagus to the bowel, gut health covers the health of the entire digestive system — the parts of our body responsible for breaking down our food into individual nutrients we use to run our bodies.

Pretty much everything can be linked back to the microbes in our gut. From hormone regulation to the immune system to our moods. Keeping our gut microbes healthy is one of the most important things we can do for our health.

All we should know is that diversity is key: "The more different types of microbes we have, the more functions they can perform. And when the diversity is out of whack – this is known as dysbiosis – pathogenic (disease-causing) germs can take hold.

A high-fibre diet is essential, with as many plant foods as possible, but this doesn't mean you can't ever get a takeaway. A single bad meal isn't going to undo your diet, but your microbiome is pliable; you can change it. So, by adopting a healthy eating plan, you can turn it around and make it healthy.

BRAIN AND GUT CONNECTION:



Research has demonstrated that the brain and gut are in constant communication and that changes in the microbiome are linked to mood and mental health. Now a study published recently in Nature Mental Health finds distinct biological signatures in the microbiomes of people who are highly resilient in the face of stressful events.

These gut microbiotas also talk with the central nervous system by secreting neurotransmitters, like serotonin and dopamine (about 90% of serotonin is produced in the gut and about 50% of dopamine).

In addition, the microbiome can produce short-chain fatty acids that help maintain the gut barrier and exert an anti-inflammatory effect on the brain, among other things.

BENEFITS OF FERMENTED FOOD FOR YOUR GUT:



Gut health experts bang on about fermented foods partly because they provide live, friendly microbes known as probiotics, although these won't necessarily go forth and multiply in your gut. They are more transient visitors, but they help to drive the overall diversity.

Fermented foods also provide prebiotics – microbe food – such as inulin. This is also found in foods such as chicory, onion, garlic and Jerusalem artichokes.

There is some promising evidence from small human studies that have shown targeting the microbiome with certain diets (one rich in fermented foods) can reduce inflammation. A diet focused on vegetables and foods known to influence the microbiota, could reduce perceived stress.

HEALTHY LIFESTYLE PATTERNS TO ADAPT:



Our microbes like us to keep fit, too. Scientists aren't yet sure why, but again, it's the long game that counts. You need to have chronic healthiness: long-term fitness, long-term healthy living is what's important.

Good sleep patterns have a positive effect, too. If you're sleeping well, you have less stress, and stress correlates with lower diversity. Plus, if you're tired, then you're eating sugary foods, and the high-fibre lifestyle goes out of the window.

If you nail diet and fitness, you shouldn't need to take a probiotic supplement, unless you have had to take antibiotics (which kill friendly bugs along with the pathogens they target), or if you're in a bout of poor eating, like a stay in hospital, or if you're travelling. Make sure you get one of the established brands that have scientifically proven their bugs can survive our digestive juices and make it to the gut alive.

So many typical 21st-century western behaviours like poor diet, obsessing over hygiene, sedentary jobs, are bad for our microbes. But at least now that we know, we can act. We are nothing without our bugs, so let us start to nurture them.

TO CONCLUDE:

The gut microbiome —the ecosystem of tiny organisms inside us all has emerged as fertile new territory for studying a range of psychiatric conditions and neurological diseases.

We feel a strange sense of responsibility, in these microbiome-aware times, towards the bacteria, yeasts, fungi, viruses and protozoa living in and on us. While we can't see our tiny brethren, research has revealed their fundamental role in keeping us healthy and happy. Genetically speaking, we are more microbe than human.



Thoughts to Remember

Tamil Nadu International Kite Festival

The 3rd Tamil Nadu International Kite Festival took place from August 15th to 18th, 2024 at Thiruvudanthai Beach, East Coast Road, Mahabalipuram.

It was a family-friendly event with kite displays, shopping, food, and a special kids' carnival. Thousands of people flocked to Thiruvudanthai Beach on the East Coast Road to enjoy the vibrant display of kites filling the skies.

Even passing cars paused to admire the colourful spectacle. The kites for the third edition of the Tamil Nadu International Kite Festival featured over 200 kites that were brought in from various countries, including France, Germany, Thailand, Vietnam, Switzerland, and India.

Tamil Nadu also showcased its own Jallikattu kite at the event, which was inaugurated by Minister for Tourism K.Ramachandran and Minister for Micro, Small and Medium Enterprises T.M.Anbarasan.

The event was organised by Global Media Box in collaboration with the Department of Tourism, Tamil Nadu.



Paetongtarn Shinawatra Became Thailand's Youngest Prime Minister in New Political Shake-up

Paetongtarn Shinawatra is a Thai politician and businesswoman who is serving as Prime Minister of Thailand since 18 August 2024 and as leader of the Pheu Thai Party since 2023. A member of the Shinawatra political family, she is the youngest daughter of Thaksin Shinawatra and a niece of Yingluck Shinawatra. She is the youngest person in Thai history to become prime minister and the second woman to hold the position.

The public had resoundingly ended a near-decade of military rule last year, handing an electoral mandate to a progressive party and a forceful prime minister candidate who represented none of the old power makers.

Just 15 months later, things are entirely different, and the voters had nothing to do with it. The winning party has been banned, and its candidate barred from holding office. The consensus choice who emerged then to form a government as prime minister was abruptly ousted by a top court this week.

Thailand's parliament voted for Paetongtarn Shinawatra, thrusting another member of the kingdom's most famed and divisive political dynasty into the top job.

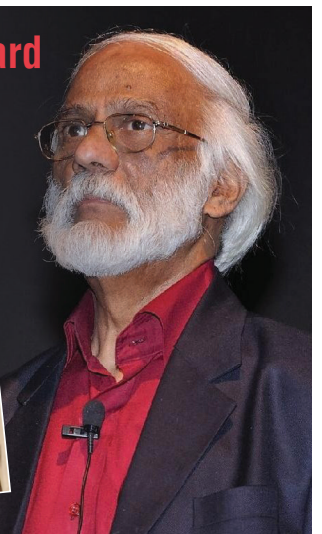
Govindarajan Padmanabhan Received First Vigyan Ratna Award

Celebrated biochemist Govindarajan Padmanabhan was selected for the first inaugural 'Vigyan Ratna' award, the top-most award in the country, for his groundbreaking research in liver diseases and gene regulation, while ISRO's Chandrayaan -3 team was selected for the first 'Vigyan Team' award with the government announcing 33 names for the 'Rashtriya Vigyan Puraskar' 2024 under four categories.

Padma Bhushan awardee Padmanabhan is an honorary professor at IISc Bengaluru.

The list of 33 awardees include 18 'Vigyan Yuva: Shanti Swarup Bhatnagar' award for young scientists and 13 'Vigyan Shri' awards to recognise distinguished contributions. 'Vigyan Ratna' awarded to recognise lifetime achievements and contributions in a given field of science and technology, whereas 'Vigyan Team' award given to a team.

The awards were presented by President Droupadi Murmu on National Space Day August 23, at Rashtrapati Bhavan.





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